

**PERENCANAAN DISTRIBUSI PRODUK
AIR MINUM DALAM KEMASAN (AMDK) ‘AIRKU’
DENGAN METODE *DISTRIBUTION REQUIREMENT PLANNING* (DRP)
(Studi Kasus PDAM Tirta Binangun Kulon Progo)**

SKRIPSI

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MOTTO

“I HEAR AND I FORGET, I SEE AND I REMEMBER, I DO AND I UNDERSTAND”

-CHINESE PROVERB-

Just because you've had a bad start doesn't mean you can't have a good
finish

-Joyce Meyer Ministries-

Dimana tempatmu, dan apapun yang kamu lakukan, belajarlh untuk
menyukai setiap hal yang datang dalam hidupmu

-Me Before You-



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Skripsi ini saya persembahkan untuk

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**PERENCANAAN DISTRIBUSI PRODUK AIR MINUM DALAM
KEMASAN (AMDK) 'AIRKU' DENGAN METODE *DISTRIBUTION
REQUIREMENT PLANNING (DRP)***

(Studi Kasus PDAM Tirta Binangun Kulon Progo)

Atika Khoirun Nisa

ABSTRAK

*PDAM Tirta Binangun Kulon Progo merupakan salah satu perusahaan daerah yang memproduksi air minum dalam kemasan yang dikemas dalam bentuk cup/gelas, botol, dan galon dengan brand AirKu. Sistem distribusi yang digunakan perusahaan adalah sistem distribusi multi eselon. Perusahaan sering kali mengalami kekurangan maupun kelebihan produk, hal ini disebabkan karena permintaan agen yang fluktuatif tidak diramalkan sebelumnya oleh perusahaan, selain itu sering kali beberapa agen mengalami ketidak pastian estimasi pesanan sampai di tangan agen. PDAM Tirta Binangun memerlukan adanya sistem perencanaan dan pengendalian persediaan yang baik, model sistem pengisian kembali persediaan yang dapat digunakan dalam distribusi multi eselon yakni *Distribution Requirement Planning (DRP)*. Penggunaan metode *Distribution Requirement Planning* untuk perencanaan aktivitas distribusi dengan memperhatikan besarnya *safety stock*, *lead time*, biaya penyimpanan, biaya pemesanan, dan peramalan permintaan untuk periode selanjutnya. Perencanaan disusun berdasarkan pemilihan *lot size* terbaik yang menghasilkan biaya yang paling optimal, kemudian dapat diketahui jumlah *gross reuirement*, *project on hand*, *net requirement*, *planned order receipt*, *planned order release*, dan biaya yang dibebankan ketika melakukan distribusi. Berdasarkan data dari perusahaan, data hasil wawancara, dan perhitungan maka didapatkan hasil pemilihan *lot* terbaik yakni *Wagner Within Algorithm*, biaya distribusi yang dikeluarkan untuk agen *Aneka Usaha* adalah Rp 1.768.076 untuk produk AirKu cup, Rp 781.388 untuk produk AirKu botol, dan Rp 174.275 untuk produk AirKu galon. Biaya distribusi yang dikeluarkan untuk agen *Kantor Pos* adalah Rp 881.630 untuk produk AirKu cup, Rp 300.613 untuk produk AirKu botol, dan Rp 228.375 untuk produk AirKu galon. Biaya distribusi yang dikeluarkan untuk agen *Umar* adalah Rp 1.766.966 untuk produk AirKu cup, Rp 579.325 untuk produk AirKu botol, dan Rp 454.256 untuk produk AirKu galon. Biaya distribusi yang dikeluarkan untuk agen *Joko Sendang* adalah Rp 1.903.623 untuk produk AirKu cup, Rp 656.506 untuk produk AirKu botol, dan Rp 189.450 untuk produk AirKu galon.*

Kata Kunci : Distribusi, *Distribution Requirement Planning*, *Lot Size*, Persediaan

BAB I

PENDAHULUAN

1.1. Latar Belakang

Pertumbuhan penjualan beberapa jenis minuman di Indonesia saat ini didominasi oleh produk Air Minum Dalam Kemasan (AMDK) dengan pertumbuhan nilai pasar sebesar USD 1.676.000.000,- atau Laju Pertumbuhan Majemuk Tahunan (*Compound Annual Growth Rate*) sebesar 11,1%. Pasar minuman ringan di Indonesia diwarnai oleh penjualan jenis minuman air mineral, teh, kopi, minuman jus buah, minuman karbonasi, minuman berkonsentrat, dan minuman energi (Mandiri, 2015). Industri AMDK di Indonesia diwarnai keberagaman inovasi dan persaingan usaha. Persaingan usaha tersebut dilakukan tidak hanya oleh perusahaan manufaktur skala nasional tetapi juga perusahaan manufaktur skala daerah, dengan tujuan mendapatkan pelanggan. Untuk memenangkan persaingan tersebut perusahaan memerlukan strategi untuk meningkatkan kepuasan pelanggan dengan menciptakan ketepatan jumlah sesuai dengan permintaan, ketepatan waktu pengiriman, dan efisiensi biaya. Maka hal yang harus diperhatikan salah satunya adalah manajemen distribusi.

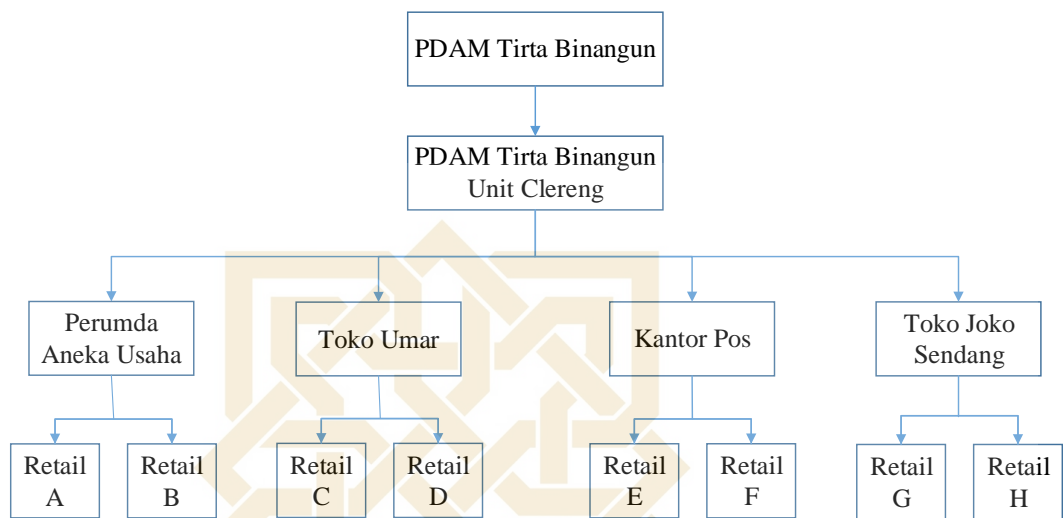
Proses distribusi diperlukan oleh sebuah perusahaan untuk memudahkan perusahaan dalam pengiriman produknya hingga ke tangan konsumen. Kebanyakan lokasi produksi berada jauh dari lokasi konsumen, sehingga diperlukan adanya sistem penyimpanan bertingkat dengan persediaan yang bertingkat agar memudahkan proses distribusi. Ditinjau dari sistem distribusi, distribusi dengan sistem penyimpanan dan persediaan yang bertingkat disebut

dengan distribusi multi eselon (*multi level atau multiechelon distribution*). Permasalahan yang paling sering ditemui dalam sistem distribusi produk adalah jumlah persediaan produk yang terlalu banyak, produk berada ditempat yang salah, layanan pelanggan yang kurang baik, dan kehilangan penjualan karena kehabisan persediaan (Indrajit dan Djokopranoto, 2004). Dengan adanya permasalahan tersebut, diperlukan adanya kebijakan yang mengatur pengendalian persediaan produk pada tingkat distribusi tertentu agar proses distribusi dapat terkoordinasi dengan baik dan perusahaan tidak mengalami kerugian akibat permasalahan tersebut. Kebijakan perencanaan dan pengendalian persediaan sangat berpengaruh pada ketersediaan produk, ketepatan waktu pengiriman, serta ketepatan jumlah sesuai dengan permintaan.

Perusahaan Daerah Air Minum (PDAM) Tirta Binangun merupakan salah satu perusahaan yang memproduksi Air Minum Dalam Kemasan (AMDK) dengan nama produk AirKu. PDAM Tirta Binangun terletak di Jalan Masjid Agung No. 1 Wates, Kulon Progo. Produksi AirKu awalnya digunakan sebagai diversifikasi usaha dari Perusahaan Daerah Air Minum (PDAM) Tirta Binangun. Air minum dalam kemasan (AMDK) AirKU muncul pertama kali tahun 2013 dalam ukuran gelas/ cup 240 ml, dikemas dalam bentuk dus, dimana 1 dus berisi 48 gelas/cup. Selanjutnya di tahun 2015 produksi dalam bentuk galon ukuran 19 liter dan botol ukuran 600 ml, dimana dalam satu dus berisi 16 botol (PDAM Tirta Binangun Kulon Progo, 2018).

Berdasarkan wawancara yang dilakukan dengan penanggung jawab Produksi AirKu, pendistribusian produk AMDK AirKu menggunakan sistem distribusi multi eselon yaitu melalui 4 agen resmi yang menjadi mitra PDAM.

Dari masing-masing agen tersebut, pemilik retail mengambil produk AirKu untuk dijual kembali ke konsumen dengan harga yang berbeda dari harga yang diberikan oleh PDAM. Alur distribusi produk AirKu digambarkan dalam gambaran alur dibawah ini:



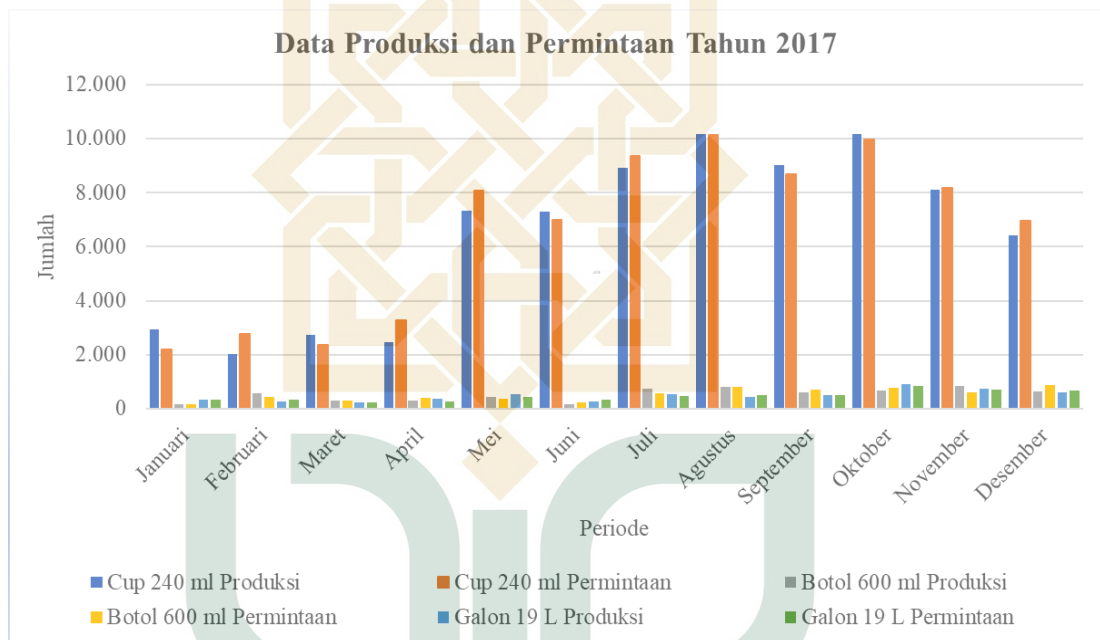
Gambar 1.1. Alur Distribusi AirKu

Sumber : Wawancara dengan penanggung jawab produksi AirKu

Pendistribusian produk AirKu dilakukan menggunakan kendaraan yang dimiliki oleh perusahaan berupa mobil box merk gran max. Mobil box dapat membawa 125 karton AMDK kemasan 240 mililiter, atau 80 karton AMDK kemasan 600 mililiter, atau 40 AMDK kemasan 19 liter dalam satu kali pengangkutan.

Saat ini PDAM Tirta Binangun dapat memproduksi 500 karton AMDK ukuran 240 ml, 40 karton AMDK ukuran 600 ml, dan 50 galon AMDK ukuran 19 liter perhari yang disebarkan setiap harinya ke agen-agen yang berada di wilayah Kulon Progo. Dalam proses pendistribusiannya, PDAM Tirta Binangun sering kali mengalami kekurangan maupun kelebihan produk, hal ini disebabkan karena permintaan agen yang fluktuatif tidak diramalkan

sebelumnya oleh perusahaan. Selain itu distribusi AMDK AirKu belum terencana dengan baik sehingga sering kali beberapa agen mengalami ketidakpastian estimasi pesanan sampai di tangan agen dikarenakan pesanan agen tersebut masuk dalam waiting list (belum dapat diketahui kapan pesanan akan dikirim). Berdasarkan data produksi dan penjualan tahun 2017 yang dimiliki PDAM Tirta Binangun, diketahui adanya ketidakseimbangan antara jumlah yang diproduksi dengan jumlah permintaan atau kebutuhan konsumen, data tersebut digambarkan dalam grafik dibawah ini:



Gambar 1.2. Grafik Produksi dan Permintaan AirKu Tahun 2017

Sumber : Data PDAM Tirta Binangun

Adanya ketidakseimbangan antara jumlah permintaan dengan jumlah produksi mengakibatkan permintaan agen tidak dapat terpenuhi dan ketika produk mengalami kelebihan stok maka akan menambah biaya penyimpanan produk. Permasalahan ini menjadi indikasi bahwa PDAM Tirta Binangun belum memiliki sistem perencanaan dan pengendalian persediaan yang baik.

Dengan adanya permasalahan-permasalahan tersebut, PDAM Tirta Binangun memerlukan adanya sistem perencanaan dan pengendalian persediaan yang baik agar kegiatan distribusi AirKu lebih terencana dan terkendali. Model sistem pengisian kembali persediaan yang dapat digunakan dalam distribusi multi eselon yakni *Distributin Requirement Planning* (DRP). Menurut Bowersox, et al. (2013) mendefinisikan *Distribution requirement planning* sebagai sebuah sistem yang menentukan permintaan untuk persediaan pada pusat-pusat distribusi, menggabungkan permintaan historis, dan sebagai input untuk sistem produksi dan material. Metode DRP digunakan untuk menangani pengadaan persediaan dalam suatu jaringan distribusi multi eselon. Metode ini menggunakan *demand independent*, dimana dilakukan peramalan untuk memenuhi struktur pengadaannya. *Distribution Requirement Planning* lebih menekankan pada aktivitas pengendalian dari pada kegiatan pemesanan. DRP mengantisipasi kebutuhan mendatang dengan perencanaan pada setiap level pada jaringan distribusi. Hasil akhir dari metode DRP berupa tabel DRP, dari tabel DRP dapat diketahui jumlah persediaan akhir tiap minggu, jumlah pemesanan, waktu pemesanan yang harus dilakukan, jumlah kebutuhan produk tiap minggu, persediaan pengamanan (*safety stock*) tiap minggu, dan waktu tunggu (*lead time*) sampai produk berada ditangan agen. Menurut Madia (1990) kelebihan penerapan DRP daripada sistem lainnya adalah DRP mampu mengatasi lonjakan dalam merencanakan ulang keputusan pengisian kembali stok produk dengan segala ketidakteraturan tanpa kesulitan, DRP juga mampu memperkirakan kehabisan stok, dan merencanakan produk untuk memperpanjang periode.

Metode DRP pernah digunakan dalam beberapa penelitian dengan berbagai objek penelitian yang memiliki sistem distribusi multi eselon, seperti yang dilakukan oleh Garside (2001). Berdasarkan penelitian tersebut diketahui bahwa dengan metode DRP PT. Coca Cola dapat mengoptimalkan ketersediaan produknya baik di *warehouse* maupun *outlet*, hal ini dibuktikan dengan jumlah persediaan yang selama ini selalu menumpuk dalam jumlah besar di masing-masing *outlet* dan *warehouse* sebagai akibat kebijaksanaan pengiriman produk dapat dikurangi hanya sebesar *safety stock* yang berfungsi sebagai persediaan pengaman jika terjadi permintaan yang fluktuatif. Dengan metode DRP, PT. Coca Cola dapat mengetahui kapan harus mengirimkan masing-masing produk dari *central warehouse* menuju masing-masing *warehouse* dan dari *warehouse* menuju masing-masing *outlet* secara tepat.

Dengan metode DRP, diharapkan aktivitas distribusi dapat terencana dengan baik, perusahaan dapat membuat perencanaan aktivitas distribusi yang efisien sehingga keberhasilan dalam pemenuhan permintaan pelanggan akan menjadi lebih optimal, kinerja penjualan meningkat dalam memenuhi *order* dengan tepat waktu dan tepat jumlah. Berdasarkan latar belakang tersebut, pada penelitian ini peneliti memilih tema “Perencanaan Distribusi Produk Air Minum Dalam Kemasan (AMDK) ‘AirKu’ dengan Metode *Distribution requirement planning* (DRP)”.

1.2. Rumusan Masalah

Berdasarkan latar belakang yang telah diuraikan sebelumnya, maka dapat dirumuskan permasalahan dalam penelitian ini, yaitu “Bagaimana perencanaan aktivitas distribusi produk Air Minum Dalam Kemasan (AMDK) ‘AirKu’

dengan metode *Distribution requirement planning* (DRP) di PDAM Tirta Binangun Kulon Progo untuk menciptakan ketepatan jumlah produk sesuai dengan permintaan, dan ketepatan waktu pengiriman?”

1.3. Tujuan Penelitian

Berdasarkan rumusan masalah yang telah diuraikan sebelumnya, diketahui bawa tujuan penelitian yang hendak dicapai yaitu:

1. Mengoptimalkan distribusi Air Minum Dalam Kemasan (AMDK) ‘AirKu’ melalui penentuan kuantitas, jadwal pendistribusian produk, dan biaya distribusi.
2. Mengendalikan ketersediaan produk melalui perencanaan penjadwalan aktivitas distribusi.

1.4. Manfaat Penelitian

Berdasarkan tujuan penelitian yang telah diuraikan sebelumnya, dapat diketahui manfaat yang dapat diperoleh dari penelitian ini, yaitu:

1. Sebagai bahan pertimbangan bagi pihak perusahaan dalam upaya pengoptimalan distribusi Air Minum Dalam Kemasan (AMDK) ‘AirKu’ melalui penentuan kuantitas dan jadwal pendistribusian produk yang dilakukan oleh PDAM Tirta Binangun.
2. Mengetahui jumlah produk yang dibutuhkan serta waktu pengiriman yang optimal untuk pendistribusian produk sesuai dengan ukuran pemesanan yang optimal.
3. Sebagai input untuk menentukan tingkat produksi minimum yang dibutuhkan oleh tiap-tiap produk dari masing masing *distribution center*.

1.5. Batasan Masalah

Agar permasalahan dalam penelitian ini terarah sesuai dengan tujuan yang hendak dicapai, maka penyusun memberikan batasan masalah dalam penelitian ini yaitu:

1. Penelitian ini hanya membahas *Distribution requirement planning* (DRP).
2. Jaringan distribusi dalam permasalahan ini hanya pada rantai pasok dari PDAM Tirta Binangun ke agen Perumda Aneka Usaha, CV Joko Sendang, Toko Umar, dan Kantor Pos.
3. Jenis produk yang diteliti adalah produk Air Minum Dalam Kemasan (AMDK) 'AirKu' ukuran 240ml (cup), 600ml (botol), dan 19 liter (galon).
4. Peramalan untuk aktivitas distribusi dilakukan untuk periode 12 bulan kedepan yakni Maret 2018 sampai dengan Februari 2019.

1.6. Asumsi

Agar permasalahan dalam penelitian ini terarah sesuai dengan tujuan yang hendak dicapai, maka penyusun memberikan asumsi dalam penelitian ini yaitu:

1. Biaya-biaya yang terkait dengan penelitian ini dianggap sama untuk setiap agen.
2. Bahan baku dan tenaga kerja dipenuhi dengan baik, serta sarana transportasi beroperasi dengan baik
3. Harga yang digunakan merupakan harga pada periode saat ini.
4. 1 bulan terdiri dari 4 minggu.

1.7. Sistematika Penulisan

Agar penulisan tugas akhir ini lebih terstruktur, maka sistematika penyusunan tugas akhir adalah sebagai berikut:

BAB I PENDAHULUAN

Bab I Pendahuluan memuat latar belakang, rumusan masalah, tujuan penelitian, manfaat penelitian, batasan masalah, asumsi, serta sistematika penulisan.

BAB II KAJIAN PUSTAKA

Bab II Kajian Pustaka memuat posisi penelitian, konsep penelitian, metode yang diambil, serta teori-teori dasar yang mendukung penelitian.

BAB III METODOLOGI PENELITIAN

Bab III Metodologi Penelitian menggambarkan langkah spesifik dari penelitian ini, memuat objek penelitian, data atau jenis data yang digunakan, metode pengumpulan data, metode analisis data, serta kerangka alir penelitian.

BAB IV HASIL PENELITIAN DAN PEMBAHASAN

Bab IV Hasil Penelitian dan Pembahasan memuat profil perusahaan, analisis dan pengolahan data, serta pembahasan hasil analisis data.

BAB V KESIMPULAN DAN SARAN

Bab V Kesimpulan dan Saran memuat kesimpulan yang didapat dari penelitian, serta saran untuk penelitian selanjutnya.

BAB V

KESIMPULAN

5.1. Kesimpulan

Berdasarkan hasil pengolahan data dan analisi yang telah dilakukan, maka dapat diambil beberapa kesimpulan sebagai berikut:

1. Mengoptimalkan distribusi Air Minum Dalam Kemasan (AMDK) 'AirKu' melalui penentuan kuantitas, jadwal pendistribusian produk, dan biaya distribusi dengan menggunakan tabel *Distribution Requirement Planning (DRP)*, yang memperhatikan *lead time*, *safety stock*, biaya pemesanan, serta biaya penyimpanan produk. Memperhatikan besarnya jumlah pemesanan yang optimal serta waktu pemesanan yang optimal sesuai dengan hasil perhitungan *lot sizing* yang menghasilkan biaya distribusi yang paling minimum. Dari tabel drp tersebut diperoleh kesimpulan:
 - a. Agen Aneka Usaha untuk produk AirKu cup, AirKu botol, dan AirKu galon lebih optimal menggunakan teknik *lot sizing Wagner Within Algorithm*. Dari teknik ini diketahui biaya distribusi optimal untuk produk AirKu cup sebesar Rp 1.768.076, biaya distribusi optimal untuk produk AirKu botol sebesar Rp 781.388, biaya distribusi optimal untuk produk AirKu cup sebesar Rp 174.275.
 - b. Agen Kantor Pos untuk produk AirKu cup, AirKu botol, dan AirKu galon lebih optimal menggunakan teknik *lot sizing Wagner Within Algorithm*. Dari teknik ini diketahui biaya distribusi optimal untuk produk AirKu cup sebesar Rp 881.630, biaya distribusi optimal untuk

produk AirKu botol sebesar Rp 300.613, biaya distribusi optimal untuk produk AirKu cup sebesar Rp 228.375.

c. Agen Umar untuk produk AirKu cup, AirKu botol, dan AirKu galon lebih optimal menggunakan teknik *lot sizing Wagner Within Algorithm*. Dari teknik ini diketahui biaya distribusi optimal untuk produk AirKu cup sebesar Rp 1.766.966, biaya distribusi optimal untuk produk AirKu botol sebesar Rp 579.325, biaya distribusi optimal untuk produk AirKu cup sebesar Rp 454.256.

d. Agen Joko Sendang untuk produk AirKu cup, AirKu botol, dan AirKu galon lebih optimal menggunakan teknik *lot sizing Wagner Within Algorithm*. Dari teknik ini diketahui biaya distribusi optimal untuk produk AirKu cup sebesar Rp 1.903.623, biaya distribusi optimal untuk produk AirKu botol sebesar Rp 656.506, biaya distribusi optimal untuk produk AirKu cup sebesar Rp 189.450.

2. Mengendalikan ketersediaan produk melalui perencanaan penjadwalan aktivitas distribusi, seperti yang ditunjukkan dalam tabel DRP. Melalui penyusunan tabel DRP dapat diketahui besarnya *safety stock* yang diperlukan, besarnya prediksi permintaan, besarnya persediaan akhir, serta ukuran pemesanan yang optimum untuk tiap-tiap produk dari masing-masing agen. Besarnya jumlah persediaan akhir produk dan *safety stock* untuk masing-masing produk di tiap agen adalah sebagai berikut:

a. Agen Aneka Usaha untuk produk AirKu cup memerlukan *safety stock* sebesar 60 dus setiap periode, pada akhir periode Aneka Usaha menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya

inventori produk AirKu cup. Untuk produk AirKu botol memerlukan *safety stock* sebesar 8 dus setiap periode, pada akhir periode Aneka Usaha menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu botol. Untuk produk AirKu galon memerlukan *safety stock* sebanyak 1 dus setiap bulan, pada akhir periode Aneka Usaha menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu galon.

b. Agen Kantor Pos untuk produk AirKu cup memerlukan *safety stock* sebesar 17 dus setiap periode, pada akhir periode Kantor Pos menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu cup. Untuk produk AirKu botol memerlukan *safety stock* sebesar 1 dus setiap periode, pada akhir periode Kantor Pos menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu botol. Untuk produk AirKu galon tidak memerlukan *safety stock*, pada akhir periode Kantor Pos menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu galon.

c. Agen Umar untuk produk AirKu cup memerlukan *safety stock* sebesar 20 dus setiap periode, pada akhir periode Umar menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu cup. Untuk produk AirKu botol memerlukan *safety stock* sebesar 2 dus setiap periode, pada akhir periode Umar menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu botol. Untuk produk AirKu galon memerlukan *safety stock*

sebanyak 2 dus setiap bulan, pada akhir periode Umar menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu galon.

- d. Agen Joko Sendang untuk produk AirKu cup memerlukan *safety stock* sebesar 36 dus setiap periode, pada akhir periode Joko Sendang menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu cup. Untuk produk AirKu botol memerlukan *safety stock* sebesar 3 dus setiap periode, pada akhir periode Joko Sendang menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu botol. Untuk produk AirKu galon memerlukan *safety stock* sebanyak 1 dus setiap bulan, pada akhir periode Joko Sendang menunjukkan tidak terjadinya penumpukan inventori atau tidak adanya inventori produk AirKu galon.

5.2. Saran

Adapun saran yang dapat diberikan oleh penyusun kepada perusahaan adalah sebagai berikut:

1. Diharapkan PDAM Tirta Binangun dapat melakukan perencanaan distribusi dengan baik agar permintaan agen dapat seluruhnya terpenuhi dengan tepat waktu dan tepat jumlah.
2. Diharapkan pula PDAM Tirta Binangun dapat memprediksi permintaan yang bersifat fluktuatif agar dapat menyesuaikan jumlah produksi dengan jumlah permintaan.
3. Untuk mengoptimalkan biaya distribusi, diharapkan pihak PDAM Tirta Binangun dapat merubah fasilitas kendaraan untuk distribusi dengan

kendaraan yang kapasitasnya lebih banyak agar dapat mengurangi frekuensi pengiriman serta dapat meminimasi biasa.



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LAMPIRAN A

PERAMALAN



1. Peramalan

a. Agen Aneka Usaha Cup

- Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	4530								
2	4150								
3	3480	4340	-860	-860	860	739600	24.71264	-1	
4	9000	3815	5185	4325	3022.5	1.381191E+07	41.16188	1.430935	0.6229406
5	5245	6240	-995	3330	2346.667	9537950	33.76474	1.419034	0.4373465
6	9000	7122.5	1877.5	5207.5	2229.375	8034714	30.53883	2.335856	0.6107454
7	7035	7122.5	-87.5	5120	1801	6429303	24.67982	2.842865	0.6467067
8	8025	8017.5	7.5	5127.5	1502.083	5357762	20.58209	3.413592	0.7541462
9	8919	7530	1389	6516.5	1485.929	4867984	19.86658	4.385473	0.7881045
10	5870	8472	-2602	3914.5	1625.438	5105787	22.92414	2.408275	0.7415274
11	100	7394.5	-7294.5	-3380	2255.333	1.045067E+07	830.877	-1.49867	0.2996907
12	1110	2985	-1875	-5255	2217.3	9757165	764.6812	-2.369999	0.3665285
13	500	605	-105	-5360	2025.273	8871152	697.0738	-2.646557	0.5309582
14	1595	805	790	-4570	1922.333	8183898	643.1118	-2.377319	0.6437042
15	2605	1047.5	1557.5	-3012.5	1894.269	7740968	598.2408	-1.590323	0.7353444
16	1700	2100	-400	-3412.5	1787.536	7199470	557.19	-1.909053	0.7458209
17	3065	2152.5	912.5	-2500	1729.2	6775016	522.0287	-1.445755	0.7766569
18	2675	2382.5	292.5	-2207.5	1639.406	6356925	490.0854	-1.346524	0.7917483
19	2180	2870	-690	-2897.5	1583.559	6010994	463.1187	-1.829739	0.7863322
20	2545	2427.5	117.5	-2780	1502.111	5677817	437.6464	-1.850729	0.795731
21	1798	2362.5	-564.5	-3344.5	1452.763	5395756	416.2647	-2.302165	0.7930994
22	1400	2171.5	-771.5	-4116	1418.7	5155729	398.2068	-2.901248	0.787209
23	2250	1599	651	-3465	1382.143	4930399	380.6224	-2.506977	0.8079801
24	1000	1825	-825	-4290	1356.818	4737227	367.0714	-3.161809	0.8002686
25		1625							
26		1625							
27		1625							
28		1625							
29		1625							
30		1625							
31		1625							
32		1625							
33		1625							
34		1625							
35		1625							
36		1625							
CFE			-4290						
MAD		1356.818							
MSE		4737227							
MAPE		367.0714							
Trk. Signal		-3.161809							
R-square		0.8002686							
		m=2							

- Weight Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	4530								
2	4150								
3	3480	4340	-860	-860	860	739600	24.71264	-1	
4	9000	3815	5185	4325	3022.5	1.381191E+07	41.16188	1.430935	0.6229406
5	5245	6240	-995	3330	2346.667	9537950	33.76474	1.419034	0.4373465
6	9000	7122.5	1877.5	5207.5	2229.375	8034714	30.53883	2.335856	0.6107454
7	7035	7122.5	-87.5	5120	1801	6429303	24.67982	2.842865	0.6467067
8	8025	8017.5	7.5	5127.5	1502.083	5357762	20.58209	3.413592	0.7541462
9	8919	7530	1389	6516.5	1485.929	4867984	19.86658	4.385473	0.7881045
10	5870	8472	-2602	3914.5	1625.438	5105787	22.92414	2.408275	0.7415274
11	100	7394.5	-7294.5	-3380	2255.333	1.045067E+07	830.877	-1.49867	0.2996907
12	1110	2985	-1875	-5255	2217.3	9757165	764.6812	-2.369999	0.3665285
13	500	605	-105	-5360	2025.273	8871152	697.0738	-2.646557	0.5309582
14	1595	805	790	-4570	1922.333	8183898	643.1118	-2.377319	0.6437042
15	2605	1047.5	1557.5	-3012.5	1894.269	7740968	598.2408	-1.590323	0.7353444
16	1700	2100	-400	-3412.5	1787.536	7199470	557.19	-1.909053	0.7458209
17	3065	2152.5	912.5	-2500	1729.2	6775016	522.0287	-1.445755	0.7766569
18	2675	2382.5	292.5	-2207.5	1639.406	6356925	490.0854	-1.346524	0.7917483
19	2180	2870	-690	-2897.5	1583.559	6010994	463.1187	-1.829739	0.7863322
20	2545	2427.5	117.5	-2780	1502.111	5677817	437.6464	-1.850729	0.795731
21	1798	2362.5	-564.5	-3344.5	1452.763	5395756	416.2647	-2.302165	0.7930994

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
22	1400	2171.5	-771.5	-4116	1418.7	5155729	398.2068	-2.901248	0.787209
23	2250	1599	651	-3465	1382.143	4930399	380.6224	-2.506977	0.8079801
24	1000	1825	-825	-4290	1356.818	4737227	367.0714	-3.161809	0.8002686
25		1625							
26		1625							
27		1625							
28		1625							
29		1625							
30		1625							
31		1625							
32		1625							
33		1625							
34		1625							
35		1625							
36		1625							
CFE		-4290							
MAD		1356.818							
MSE		4737227							
MAPE		367.0714							
Trk.Signal		-3.161809							
R-square		0.8002686							
		m=2							
		w(1)=0.5							
		w(2)=0.5							

- **Winter's Multiplicative**
Multiplicative Method

Data AU Cup
Length 24

Smoothing Constants

α (level) 0,3
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 108
MAD 837
MSD 1030036

Time	AU Cup	Smooth	Predict	Error
1	4530	4248,98	4135,18	394,82
2	4150	4985,94	4852,55	-702,55
3	3480	5031,98	4887,37	-1407,37
4	9000	7702,31	7452,86	1547,14
5	5245	6334,53	6134,94	-889,94
6	9000	8193,69	7915,00	1085,00
7	7035	6563,59	6341,61	693,39
8	8025	7579,35	7322,47	702,53
9	8919	7642,62	7382,01	1536,99
10	5870	5380,18	5201,41	668,59
11	100	1908,98	1845,80	-1745,80
12	1110	1139,05	1084,62	25,38
13	500	2283,66	2169,86	-1669,86
14	1595	1956,23	1822,83	-227,83
15	2605	1901,96	1757,35	847,65
16	1700	3470,05	3220,61	-1520,61
17	3065	2211,86	2012,28	1052,72
18	2675	3250,82	2972,13	-297,13
19	2180	2296,31	2074,33	105,67

20	2545	2437,14	2180,26	364,74
21	1798	2322,93	2062,32	-264,32
22	1400	1360,31	1181,53	218,47
23	2250	440,70	377,52	1872,48
24	1000	809,24	754,81	245,19

Forecasts

Period	Forecast	Lower	Upper
25	1618,17	-432,26	3668,59
26	1763,36	-360,56	3887,28
27	1766,98	-441,91	3975,87
28	2798,56	494,50	5102,62
29	2039,59	-368,64	4447,82
30	2569,27	48,99	5089,55
31	1824,46	-814,75	4463,66
32	1854,41	-909,70	4618,53
33	1620,73	-1273,51	4514,98
34	933,01	-2095,90	3961,93
35	266,54	-2901,01	3434,08
36	175,21	-3134,43	3484,85

- **Winter's Additive**

Additive Method

Data AU Cup
Length 24

Smoothing Constants

α (level) 0,7
 γ (trend) 0,2
 δ (seasonal) 0,0

Accuracy Measures

MAPE 213
MAD 1373
MSD 2980826

Time	AU Cup	Smooth	Predict	Error
1	4530	4122,71	3943,09	586,91
2	4150	4958,29	4860,84	-710,84
3	3480	4780,12	4583,15	-1103,15
4	9000	6365,31	6013,90	2986,10
5	5245	7156,03	7222,68	-1977,68
6	9000	7767,67	7557,44	1442,56
7	7035	7584,10	7575,83	-540,83
8	8025	8121,61	8037,63	-12,63
9	8919	8349,15	8263,40	655,60
10	5870	7245,68	7251,71	-1381,71
11	100	4071,38	3883,97	-3783,97
12	1110	1362,05	644,89	465,11
13	500	-285,04	-937,09	1437,09
14	1595	673,24	222,38	1372,62
15	2605	1600,08	1341,39	1263,61
16	1700	4780,28	4698,50	-2998,50
17	3065	1651,41	1149,84	1915,16
18	2675	4419,82	4186,36	-1511,36

19	2180	2145,27	1700,23	479,77
20	2545	2960,43	2582,56	-37,56
21	1798	2876,63	2493,50	-695,50
22	1400	530,01	49,51	1350,49
23	2250	-1218,28	-1509,72	3759,72
24	1000	1248,95	1483,87	-483,87

Forecasts

Period	Forecast	Lower	Upper
25	56,84	-3307,0	3420,7
26	828,39	-3215,8	4872,6
27	1412,44	-3460,8	6285,7
28	4133,99	-1653,4	9921,3
29	3353,03	-3399,0	10105,1
30	5449,58	-2298,9	13198,1
31	4633,63	-4132,3	13399,5
32	5725,18	-4072,5	15522,9
33	6212,72	-4627,1	17052,5
34	4903,27	-6986,2	16792,7
35	2857,32	-10087,5	15802,2
36	3151,37	-10853,3	17156,1

b. Agen Aneka Usaha Botol

• *Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	50								
2	60								
3	60	55	5	5	5	25	8.333333	1	
4	75	60	15	20	10	125	14.16667	2	
5	40	67.5	-27.5	-7.5	15.83333	335.4167	32.36111	-0.4736842	0.1587838
6	105	57.5	47.5	40	23.75	815.625	35.58036	1.684211	0.2166667
7	100	72.5	27.5	67.5	24.5	803.75	33.96429	2.755102	0.378367
8	50	102.5	-52.5	15	29.16667	1129.167	45.80357	0.5142857	0.4481132
9	110	75	35	50	30	1142.857	43.80566	1.666667	0.4031297
10	431	80	351	401	70.125	16400.13	48.50976	5.71836	0.1903061
11	45	270.5	-225.5	175.5	87.38889	20227.92	98.7988	2.008265	0.3377433
12	100	238	-138	37.5	92.45	20109.53	102.7189	0.4056247	0.4671523
13	160	72.5	87.5	125	92	18977.41	98.35242	1.358696	0.4788171
14	70	130	-60	65	89.33334	17695.96	97.29925	0.7276119	0.4674449
15	70	115	-45	20	85.92308	16490.5	94.75975	0.2327663	0.4592657
16	60	70	-10	10	80.5	15319.75	89.18166	0.1242236	0.4612515
17	75	65	10	20	75.8	14305.1	84.12511	0.2638522	0.4697581
18	240	67.5	172.5	192.5	81.84375	15270.8	83.35948	2.352043	0.4368217
19	140	157.5	-17.5	175	78.05882	14390.53	79.19128	2.241899	0.4523858
20	123	190	-67	108	77.44444	13840.44	77.81796	1.394548	0.4926358
21	50	131.5	-81.5	26.5	77.6579	13461.59	82.30122	0.3412403	0.4792908
22	110	86.5	23.5	50	74.95	12816.13	79.25435	0.6671115	0.4831626
23	90	80	10	60	71.85714	12210.6	76.00943	0.8349901	0.4871771
24	10	100	-90	-30	72.68182	12023.75	113.4635	-0.412758	0.4578531
25		50							
26		50							
27		50							
28		50							
29		50							
30		50							
31		50							
32		50							
33		50							
34		50							
35		50							
36		50							
CFE			-30						
MAD		72.68182							
MSE		12023.75							
MAPE		113.4635							
Trk.Signal		-0.412758							
R-square		0.4578531							
		m=2							

- Weight Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	50								
2	60								
3	60	55	5	5	5	25	8.333333	1	
4	75	60	15	20	10	125	14.16667	2	
5	40	67.5	-27.5	-7.5	15.83333	335.4167	32.36111	-0.4736842	0.1587838
6	105	57.5	47.5	40	23.75	815.625	35.58036	1.684211	0.2166667
7	100	72.5	27.5	67.5	24.5	803.75	33.96429	2.755102	0.378367
8	50	102.5	-52.5	15	29.16667	1129.167	45.80357	0.5142857	0.4481132
9	110	75	35	50	30	1142.857	43.80566	1.666667	0.4031297
10	431	80	351	401	70.125	16400.13	48.50976	5.71836	0.1903061
11	45	270.5	-225.5	175.5	87.38889	20227.92	98.7988	2.008265	0.3377433
12	100	238	-138	37.5	92.45	20109.53	102.7189	0.4056247	0.4671523
13	160	72.5	87.5	125	92	18977.41	98.35242	1.358696	0.4788171
14	70	130	-60	65	89.33334	17695.96	97.29925	0.7276119	0.4674449
15	70	115	-45	20	85.92308	16490.5	94.75975	0.2327663	0.4592657
16	60	70	-10	10	80.5	15319.75	89.18166	0.1242236	0.4612515
17	75	65	10	20	75.8	14305.1	84.12511	0.2638522	0.4697581
18	240	67.5	172.5	192.5	81.84375	15270.8	83.35948	2.352043	0.4368217
19	140	157.5	-17.5	175	78.05882	14390.53	79.19128	2.241899	0.4523858
20	123	190	-67	108	77.44444	13840.44	77.81796	1.394548	0.4926358
21	50	131.5	-81.5	26.5	77.6579	13461.59	82.30122	0.3412403	0.4792908
22	110	86.5	23.5	50	74.95	12816.13	79.25435	0.6671115	0.4831626
23	90	80	10	60	71.85714	12210.6	76.00943	0.8349901	0.4871771
24	10	100	-90	-30	72.68182	12023.75	113.4635	-0.412758	0.4578531
25		50							
26		50							
27		50							
28		50							
29		50							
30		50							
31		50							
32		50							
33		50							
34		50							
35		50							
36		50							
CFE			-30						
MAD		72.68182							
MSE		12023.75							
MAPE		113.4635							
Trk.Signal		-0.412758							
R-square		0.4578531							
		m=2							
		w(1)=0.5							
		w(2)=0.5							

- Winter's Multiplicative**

Multiplicative Method

Data AU Botol
Length 24

Smoothing Constants

α (level) 0,7
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 67,35
MAD 36,89
MSD 2547,77

AU

Time	Botol	Smooth	Predict	Error
1	50	30,374	42,070	7,930
2	60	29,511	36,759	23,241
3	60	52,994	60,237	-0,237
4	75	62,387	69,909	5,091
5	40	62,448	68,842	-28,842
6	105	145,816	164,979	-59,979
7	100	85,580	98,914	1,086
8	50	71,733	81,328	-31,328
9	110	55,068	63,964	46,036
10	431	325,303	355,389	75,611
11	45	101,466	108,943	-63,943
12	100	52,494	58,608	41,392
13	160	167,519	179,215	-19,215
14	70	102,727	109,975	-39,975
15	70	81,940	89,183	-19,183
16	60	78,675	86,198	-26,198
17	75	57,677	64,071	10,929
18	240	214,955	234,118	5,882
19	140	165,766	179,100	-39,100
20	123	109,196	118,791	4,209
21	50	112,861	121,757	-71,757
22	110	241,898	271,985	-161,985
23	90	39,411	46,887	43,113
24	10	63,031	69,145	-59,145

Forecasts

Period	Forecast	Lower	Upper
25	64,761	-25,623	155,144
26	47,381	-61,284	156,047
27	54,594	-76,346	185,535
28	64,221	-91,280	219,723
29	60,979	-120,444	242,402
30	201,922	-6,275	410,120
31	153,833	-81,701	389,367
32	120,305	-142,953	383,562
33	120,429	-170,828	411,687
34	437,367	117,905	756,828
35	116,161	-231,658	463,981
36	101,121	-275,176	477,418

- **Winter's Additive**
Additive Method

Data AU Botol
Length 24

Smoothing Constants

α (level) 0,6
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 72,82
MAD 47,89
MSD 4515,17

Time	AU			
	Botol	Smooth	Predict	Error
1	50	37,184	48,415	1,585
2	60	8,635	19,866	40,134
3	60	43,216	54,447	5,553
4	75	59,548	70,779	4,221
5	40	62,581	73,812	-33,812
6	105	167,794	179,025	-74,025
7	100	81,380	92,610	7,390
8	50	62,814	74,044	-24,044
9	110	52,387	63,618	46,382
10	431	281,217	292,448	138,552
11	45	171,849	183,079	-138,079
12	100	87,001	98,232	1,768
13	160	157,328	168,558	-8,558
14	70	122,693	133,924	-63,924
15	70	94,839	106,070	-36,070
16	60	86,197	97,428	-37,428
17	75	64,241	75,472	-0,472
18	240	189,458	200,689	39,311
19	140	171,045	182,276	-42,276
20	123	122,680	133,911	-10,911
21	50	120,134	131,365	-81,365
22	110	272,315	283,546	-173,546
23	90	-24,312	-13,081	103,081
24	10	35,537	46,768	-36,768

Forecasts

Period	Forecast	Lower	Upper
25	93,973	-23,345	211,290
26	64,473	-70,194	199,141
27	74,973	-80,770	230,717
28	87,974	-91,262	267,209
29	88,474	-115,839	292,787
30	213,974	-16,483	444,432
31	171,975	-85,370	429,320
32	148,975	-135,790	433,740
33	152,975	-159,601	465,552
34	353,976	13,291	694,661
35	161,476	-207,546	530,498
36	159,476	-238,062	557,014

c. Agen Aneka Usaha Galon

• *Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	52								
2	34								
3	41	43	-2	-2	2	4	4.878049	-1	
4	45	37.5	7.5	5.5	4.75	30.125	10.77236	1.157895	
5	147	43	104	109.5	37.83333	3625.417	30.76434	2.894273	0.5564623
6	33	96	-63	46.5	44.125	3711.313	70.80053	1.053824	0.3230924
7	60	90	-30	16.5	41.3	3149.05	66.64043	0.3995157	0.3790977
8	40	46.5	-6.5	10	35.5	2631.25	58.24202	0.2816902	0.3747036
9	103	50	53	63	38	2656.643	57.27263	1.657895	0.3801205
10	64	71.5	-7.5	55.5	34.1875	2331.594	51.5784	1.6234	0.3777595
11	85	83.5	1.5	57	30.55556	2072.778	46.04354	1.865455	0.4107947
12	55	74.5	-19.5	37.5	29.45	1903.525	44.98464	1.273345	0.3969298
13	24	70	-46	-8.5	30.95455	1922.841	58.31937	-0.2745962	0.33735
14	40	39.5	0.5	-8	28.41667	1762.625	53.56359	-0.2815249	0.3660293
15	20	32	-12	-20	27.15385	1638.115	54.0587	-0.7365439	0.3847123
16	51	30	21	1	26.71428	1552.607	53.13854	3.743315E-02	0.4359298
17	10	35.5	-25.5	-24.5	26.63333	1492.45	66.59597	-0.9198999	0.4110436
18	17	30.5	-13.5	-38	25.8125	1410.563	67.39696	-1.472155	0.4177811
19	10	13.5	-3.5	-41.5	24.5	1328.309	65.49126	-1.693878	0.4621939
20	30	13.5	16.5	-25	24.05556	1269.639	64.90841	-1.039261	0.5192364
21	11	20	-9	-34	23.26316	1207.079	65.7984	-1.461538	0.5275764
22	8	20.5	-12.5	-46.5	22.725	1154.537	70.32098	-2.046205	0.5292849
23	32	9.5	22.5	-24	22.71428	1123.667	70.32057	-1.056604	0.5794548
24	15	20	-5	-29	21.90909	1073.727	68.63934	-1.323652	0.5856489
25		23.5							
26		23.5							
27		23.5							
28		23.5							
29		23.5							
30		23.5							
31		23.5							
32		23.5							
33		23.5							
34		23.5							
35		23.5							
36		23.5							
CFE			-29						
MAD		21.90909							
MSE		1073.727							
MAPE		68.63934							
Trk. Signal		-1.323652							
R-square		0.5856489							
		m=2							

• *Weight Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	52								
2	34								
3	41	43	-2	-2	2	4	4.878049	-1	
4	45	37.5	7.5	5.5	4.75	30.125	10.77236	1.157895	
5	147	43	104	109.5	37.83333	3625.417	30.76434	2.894273	0.5564623
6	33	96	-63	46.5	44.125	3711.313	70.80053	1.053824	0.3230924
7	60	90	-30	16.5	41.3	3149.05	66.64043	0.3995157	0.3790977
8	40	46.5	-6.5	10	35.5	2631.25	58.24202	0.2816902	0.3747036
9	103	50	53	63	38	2656.643	57.27263	1.657895	0.3801205
10	64	71.5	-7.5	55.5	34.1875	2331.594	51.5784	1.6234	0.3777595
11	85	83.5	1.5	57	30.55556	2072.778	46.04354	1.865455	0.4107947
12	55	74.5	-19.5	37.5	29.45	1903.525	44.98464	1.273345	0.3969298
13	24	70	-46	-8.5	30.95455	1922.841	58.31937	-0.2745962	0.33735
14	40	39.5	0.5	-8	28.41667	1762.625	53.56359	-0.2815249	0.3660293
15	20	32	-12	-20	27.15385	1638.115	54.0587	-0.7365439	0.3847123
16	51	30	21	1	26.71428	1552.607	53.13854	3.743315E-02	0.4359298
17	10	35.5	-25.5	-24.5	26.63333	1492.45	66.59597	-0.9198999	0.4110436
18	17	30.5	-13.5	-38	25.8125	1410.563	67.39696	-1.472155	0.4177811
19	10	13.5	-3.5	-41.5	24.5	1328.309	65.49126	-1.693878	0.4621939
20	30	13.5	16.5	-25	24.05556	1269.639	64.90841	-1.039261	0.5192364
21	11	20	-9	-34	23.26316	1207.079	65.7984	-1.461538	0.5275764

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
22	8	20.5	-12.5	-46.5	22.725	1154.537	70.32098	-2.046205	0.5292849
23	32	9.5	22.5	-24	22.71428	1123.667	70.32057	-1.056604	0.5794548
24	15	20	-5	-29	21.90909	1073.727	68.63934	-1.323652	0.5856489
25		23.5							
26		23.5							
27		23.5							
28		23.5							
29		23.5							
30		23.5							
31		23.5							
32		23.5							
33		23.5							
34		23.5							
35		23.5							
36		23.5							
CFE			-29						
MAD		21.90909							
MSE		1073.727							
MAPE		68.63934							
Trk.Signal		-1.323652							
R-square		0.5856489							
		m=2							
		W(1)=0.5							
		W(2)=0.5							

- **Winter's Multiplicative**
Multiplicative Method

Data AU Galon
Length 24

Smoothing Constants

α (level) 0,6
 γ (trend) 0,3
 δ (seasonal) 0,0

Accuracy Measures

MAPE 64,938
MAD 17,423
MSD 538,873

Time	AU Galon	Smooth	Predict	Error
1	52	41,829	43,786	8,2137
2	34	48,475	51,894	-17,8937
3	41	33,615	33,777	7,2233
4	45	61,218	63,566	-18,5658
5	147	83,364	81,784	65,2158
6	33	39,531	42,852	-9,8521
7	60	51,273	53,422	6,5784
8	40	58,948	62,372	-22,3723
9	103	78,234	77,271	25,7293
10	64	58,969	61,302	2,6975
11	85	104,146	108,811	-23,8111
12	55	56,644	56,872	-1,8716
13	24	57,117	57,005	-33,0047
14	40	37,019	30,996	9,0044
15	20	29,728	26,132	-6,1323
16	51	36,066	28,517	22,4826
17	10	66,796	61,227	-51,2274
18	17	9,969	5,133	11,8667

19	10	17,007	13,261	-3,2608
20	30	11,616	7,163	22,8373
21	11	33,348	32,801	-21,8015
22	8	12,544	9,700	-1,6998
23	32	14,367	9,153	22,8468
24	15	13,700	13,040	1,9602

Forecasts

Period	Forecast	Lower	Upper
25	14,2502	-28,435	56,935
26	13,8671	-35,131	62,865
27	11,0701	-45,596	67,736
28	17,3714	-47,842	82,585
29	26,9695	-47,368	101,307
30	8,6037	-75,247	92,454
31	11,6454	-81,988	105,279
32	11,6615	-91,948	115,271
33	18,1516	-95,577	131,881
34	11,2362	-112,720	135,192
35	18,0854	-116,181	152,352
36	10,5307	-134,111	155,172

- **Winter's Additive**

Additive Method

Data AU Galon
Length 24

Smoothing Constants

α (level) 0,6
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 87,449
MAD 19,281
MSD 705,176

Forecasts

Period	Forecast	Lower	Upper
25	-6,7121	-53,950	40,526
26	-2,9885	-57,213	51,236
27	-4,7649	-67,476	57,946
28	17,4587	-54,711	89,629
29	52,6822	-29,585	134,949
30	3,9058	-88,889	96,700
31	18,6294	-84,991	122,250
32	23,3530	-91,308	138,014
33	50,0765	-75,784	175,937
34	33,8001	-103,378	170,978
35	61,0237	-87,564	209,612
36	42,2473	-117,823	202,317

d. Agen Kantor Pos Cup

• *Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	54								
2	210								
3	106	132	-26	-26	26	676	24.5283	-1	
4	85	158	-73	-99	49.5	3002.5	55.20533	-2	
5	77	95.5	-18.5	-117.5	39.16667	2115.75	44.81221	-3	
6	238	81	157	39.5	68.625	7749.063	50.10075	0.575592	0.2381057
7	102	157.5	-55.5	-16	66	6815.3	50.96296	-0.2424242	0.2885714
8	149	170	-21	-37	58.5	5752.917	44.81812	-0.6324787	0.382277
9	60	125.5	-65.5	-102.5	59.5	5543.964	54.01077	-1.722689	0.376712
10	142	104.5	37.5	-65	56.75	5026.75	50.56048	-1.145374	0.3520995
11	152	101	51	-14	56.11111	4757.222	48.67072	-0.249505	0.3443365
12	100	147	-47	-61	55.2	4502.4	48.50365	-1.105072	0.370142
13	247	126	121	60	61.18182	5424.091	48.54767	0.9806835	0.2296157
14	50	173.5	-123.5	-63.5	66.375	6243.104	65.08537	-0.9566855	0.2419476
15	50	148.5	-98.5	-162	68.84615	6509.192	75.23264	-2.353073	0.2557659
16	150	50	100	-62	71.07143	6758.536	74.62079	-0.8723618	0.3412816
17	606	100	506	444	100.0667	23377.03	75.21262	4.437042	0.1143878
18	500	378	122	566	101.4375	22846.22	72.03683	5.579791	0.2565921
19	250	553	-303	263	113.2941	26902.85	74.92878	2.321391	0.6262235
20	450	375	75	338	111.1667	25720.75	71.69199	3.04048	0.6283787
21	300	350	-50	288	107.9474	24498.61	68.79592	2.667967	0.6713716
22	300	375	-75	213	106.3	23554.93	66.60612	2.003763	0.7254869
23	450	300	150	363	108.381	23504.69	65.02171	3.349297	0.6752075
24	260	375	-115	248	108.6818	23037.43	64.07667	2.28189	0.7212451
25		355							
26		355							
27		355							
28		355							
29		355							
30		355							
31		355							
32		355							
33		355							
34		355							
35		355							
36		355							
CFE		248							
MAD		108.6818							
MSE		23037.43							
MAPE		64.07667							
Trk. Signal		2.28189							
R-square		0.7212451							
		m=2							

• *Weight Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	54								
2	210								
3	106	132	-26	-26	26	676	24.5283	-1	
4	85	158	-73	-99	49.5	3002.5	55.20533	-2	
5	77	95.5	-18.5	-117.5	39.16667	2115.75	44.81221	-3	
6	238	81	157	39.5	68.625	7749.063	50.10075	0.575592	0.2381057
7	102	157.5	-55.5	-16	66	6815.3	50.96296	-0.2424242	0.2885714
8	149	170	-21	-37	58.5	5752.917	44.81812	-0.6324787	0.382277
9	60	125.5	-65.5	-102.5	59.5	5543.964	54.01077	-1.722689	0.376712
10	142	104.5	37.5	-65	56.75	5026.75	50.56048	-1.145374	0.3520995
11	152	101	51	-14	56.11111	4757.222	48.67072	-0.249505	0.3443365
12	100	147	-47	-61	55.2	4502.4	48.50365	-1.105072	0.370142
13	247	126	121	60	61.18182	5424.091	48.54767	0.9806835	0.2296157
14	50	173.5	-123.5	-63.5	66.375	6243.104	65.08537	-0.9566855	0.2419476
15	50	148.5	-98.5	-162	68.84615	6509.192	75.23264	-2.353073	0.2557659
16	150	50	100	-62	71.07143	6758.536	74.62079	-0.8723618	0.3412816
17	606	100	506	444	100.0667	23377.03	75.21262	4.437042	0.1143878
18	500	378	122	566	101.4375	22846.22	72.03683	5.579791	0.2565921
19	250	553	-303	263	113.2941	26902.85	74.92878	2.321391	0.6262235
20	450	375	75	338	111.1667	25720.75	71.69199	3.04048	0.6283787
21	300	350	-50	288	107.9474	24498.61	68.79592	2.667967	0.6713716

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
22	300	375	-75	213	106.3	23554.93	66.60612	2.003763	0.7254869
23	450	300	150	363	108.381	23504.69	65.02171	3.349297	0.6752075
24	260	375	-115	248	108.6818	23037.43	64.07667	2.28189	0.7212451
25		355							
26		355							
27		355							
28		355							
29		355							
30		355							
31		355							
32		355							
33		355							
34		355							
35		355							
36		355							
CFE		248							
MAD		108.6818							
MSE		23037.43							
MAPE		64.07667							
Trk.Signal		2.28189							
R-square		0.7212451							
		m=2							
		w(1)=0.5							
		w(2)=0.5							

- **Winter's Multiplicative**

Multiplicative Method

Data KP Cup
Length 24

Smoothing Constants

α (level) 0,2
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 43,9
MAD 71,5
MSD 10632,1

Time	KP Cup	Smooth	Predict	Error
1	54	87,226	87,717	-33,717
2	210	73,761	74,208	135,792
3	106	59,593	59,856	46,144
4	85	100,144	100,525	-15,525
5	77	274,210	275,283	-198,283
6	238	257,844	259,018	-21,018
7	102	120,230	120,785	-18,785
8	149	196,869	197,801	-48,801
9	60	111,299	111,851	-51,851
10	142	125,473	126,155	15,845
11	152	173,721	174,638	-22,638
12	100	101,215	101,760	-1,760
13	247	91,351	91,842	155,158
14	50	111,929	112,376	-62,376
15	50	58,731	58,994	-8,994
16	150	82,909	83,291	66,709
17	606	271,993	273,066	332,934
18	500	371,678	372,853	127,147
19	250	187,923	188,478	61,522

20	450	337,765	338,697	111,303
21	300	213,646	214,198	85,802
22	300	286,056	286,738	13,262
23	450	388,738	389,655	60,345
24	260	239,023	239,569	20,431

Forecasts

Period	Forecast	Lower	Upper
25	219,982	44,796	395,169
26	200,835	22,904	378,766
27	118,332	-62,659	299,324
28	171,914	-12,437	356,265
29	484,962	296,967	672,957
30	531,863	339,956	723,770
31	251,506	55,435	447,576
32	424,026	223,556	624,496
33	251,528	46,438	456,617
34	311,675	101,759	521,591
35	419,590	204,656	634,525
36	250,199	30,067	470,332

- **Winter's Additive**
Additive Method

Data KP Cup
Length 24

Smoothing Constants

α (level) 0,3
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 53,05
MAD 70,52
MSD 9604,12

Time	KP Cup	Smooth	Predict	Error
1	54	132,096	132,764	-78,764
2	210	74,995	75,662	134,338
3	106	50,324	50,991	55,009
4	85	93,354	94,022	-9,022
5	77	301,675	302,343	-225,343
6	238	248,600	249,268	-11,268
7	102	39,248	39,915	62,085
8	149	168,401	169,069	-20,069
9	60	29,908	30,576	29,424
10	142	66,763	67,431	74,569
11	152	156,162	156,829	-4,829
12	100	20,741	21,408	78,592
13	247	165,526	166,194	80,806
14	50	156,296	156,963	-106,963
15	50	59,234	59,902	-9,902
16	150	82,792	83,459	66,541
17	606	313,782	314,449	291,551
18	500	415,775	416,442	83,558

19	250	234,870	235,538	14,462
20	450	349,736	350,404	99,596
21	300	247,143	247,811	52,189
22	300	290,827	291,495	8,505
23	450	360,407	361,075	88,925
24	260	253,112	253,780	6,220

Forecasts

Period	Forecast	Lower	Upper
25	376,854	204,078	549,630
26	343,382	164,413	522,350
27	278,410	92,281	464,538
28	304,937	110,789	499,086
29	515,965	313,039	718,891
30	530,493	318,126	742,860
31	324,521	102,132	546,909
32	435,049	202,135	667,963
33	302,577	58,697	546,456
34	330,604	75,377	585,831
35	397,632	130,724	664,541
36	263,660	-15,222	542,542

e. Agen Kantor Pos Botol

• *Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	15								
2	10								
3	31	12.5	18.5	18.5	18.5	342.25	59.67742	1	
4	20	20.5	-0.5	18	9.5	171.25	31.08871	1.894737	
5	34	25.5	8.5	26.5	9.166667	138.25	29.05914	2.890909	
6	12	27	-15	11.5	10.625	159.9375	53.04435	1.082353	0.5222672
7	39	23	16	27.5	11.7	179.15	50.64061	2.350427	0.5831609
8	15	25.5	-10.5	17	11.5	167.6667	53.86718	1.478261	0.3139247
9	17	27	-10	7	11.28571	158	54.57523	0.6202531	0.2530121
10	11	16	-5	2	10.5	141.375	53.43514	0.1904762	0.2517321
11	15	14	1	3	9.444445	125.7778	48.23864	0.317647	0.3063808
12	32	13	19	22	10.4	149.3	49.35228	2.115385	0.3879383
13	16	23.5	-7.5	14.5	10.13636	140.8409	49.12708	1.430493	0.3519539
14	19	24	-5	9.5	9.708333	131.1875	47.22614	0.9785408	0.3475776
15	27	17.5	9.5	19	9.692307	128.0385	46.29991	1.960317	0.3693334
16	20	23	-3	16	9.214286	119.5357	44.0642	1.736434	0.363417
17	25	23.5	1.5	17.5	8.7	111.7167	41.52659	2.011494	0.3687764
18	20	22.5	-2.5	15	8.3125	105.125	39.71243	1.804511	0.3630459
19	10	22.5	-12.5	2.5	8.558824	108.1324	44.72934	0.2920962	0.3110739
20	32	15	17	19.5	9.027778	118.1806	45.19577	2.16	0.329502
21	15	21	-6	13.5	8.868421	113.8553	44.92231	1.522255	0.3096544
22	10	23.5	-13.5	0	9.1	117.275	49.42619	0	0.2806958
23	10	12.5	-2.5	-2.5	8.785714	111.9881	48.26304	-0.2845528	0.3039436
24	25	10	15	12.5	9.068182	117.125	48.79654	1.378446	0.3714257
25		17.5							
26		17.5							
27		17.5							
28		17.5							
29		17.5							
30		17.5							
31		17.5							
32		17.5							
33		17.5							
34		17.5							
35		17.5							
36		17.5							
CFE		12.5							
MAD		9.068182							
MSE		117.125							
MAPE		48.79654							
Trk. Signal		1.378446							
R-square		0.3714257							
		m=2							

- Weight Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	15								
2	10								
3	31	12.5	18.5	18.5	18.5	342.25	59.67742	1	
4	20	20.5	-0.5	18	9.5	171.25	31.08871	1.894737	
5	34	25.5	8.5	26.5	9.166667	138.25	29.05914	2.890909	
6	12	27	-15	11.5	10.625	159.9375	53.04435	1.082353	0.5222672
7	39	23	16	27.5	11.7	179.15	50.64061	2.350427	0.5831609
8	15	25.5	-10.5	17	11.5	167.6667	53.86718	1.478261	0.3139247
9	17	27	-10	7	11.28571	158	54.57523	0.6202531	0.2530121
10	11	16	-5	2	10.5	141.375	53.43514	0.1904762	0.2517321
11	15	14	1	3	9.444445	125.7778	48.23864	0.317647	0.3063808
12	32	13	19	22	10.4	149.3	49.35228	2.115385	0.3879383
13	16	23.5	-7.5	14.5	10.13636	140.8409	49.12708	1.430493	0.3519539
14	19	24	-5	9.5	9.708333	131.1875	47.22614	0.9785408	0.3475776
15	27	17.5	9.5	19	9.692307	128.0385	46.29991	1.960317	0.3693334
16	20	23	-3	16	9.214286	119.5357	44.0642	1.736434	0.363417
17	25	23.5	1.5	17.5	8.7	111.7167	41.52659	2.011494	0.3687764
18	20	22.5	-2.5	15	8.3125	105.125	39.71243	1.804511	0.3630459
19	10	22.5	-12.5	2.5	8.558824	108.1324	44.72934	0.2920962	0.3110739
20	32	15	17	19.5	9.027778	118.1806	45.19577	2.16	0.329502
21	15	21	-6	13.5	8.868421	113.8553	44.92231	1.522255	0.3096544
22	10	23.5	-13.5	0	9.1	117.275	49.42619	0	0.2806958
23	10	12.5	-2.5	-2.5	8.785714	111.9881	48.26304	-0.2845528	0.3039436
24	25	10	15	12.5	9.068182	117.125	48.79654	1.378446	0.3714257
25		17.5							
26		17.5							
27		17.5							
28		17.5							
29		17.5							
30		17.5							
31		17.5							
32		17.5							
33		17.5							
34		17.5							
35		17.5							
36		17.5							
CFE		12.5							
MAD		9.068182							
MSE		117.125							
MAPE		48.79654							
Trk.Signal		1.378446							
R-square		0.3714257							
		m=2							
		w(1)=0.5							
		w(2)=0.5							

- Winter's Multiplicative**

Multiplicative Method

Data KP Botol
Length 24

Smoothing Constants

α (level) 0,2
 γ (trend) 0,4
 δ (seasonal) 0,0

Accuracy Measures

MAPE 24,2894
MAD 4,4106
MSD 42,2518

KP

Time	Botol	Smooth	Predict	Error
1	15	15,2896	15,4162	-0,4162
2	10	14,3903	14,4779	-4,4779
3	31	27,1226	26,5821	4,4179
4	20	18,9745	18,8453	1,1547
5	34	28,1403	28,0859	5,9141
6	12	15,9409	16,1690	-4,1690
7	39	23,3657	23,2051	15,7949
8	15	25,4971	26,5638	-11,5638
9	17	16,4802	16,5764	0,4236
10	11	10,9485	11,0340	-0,0340
11	15	13,1289	13,2275	1,7725
12	32	31,0227	31,5717	0,4283
13	16	17,0064	17,3197	-1,3197
14	19	16,0073	16,2022	2,7978
15	27	33,4717	34,3079	-7,3079
16	20	22,6917	22,8656	-2,8656
17	25	32,8847	32,8030	-7,8030
18	20	17,0159	16,6314	3,3686
19	10	26,3672	26,1920	-16,1920
20	32	22,1988	20,7766	11,2234
21	15	15,6445	15,2881	-0,2881
22	10	10,0084	9,7591	0,2409
23	10	11,6765	11,4026	-1,4026
24	25	25,4041	24,5223	0,4777

Forecasts

Period	Forecast	Lower	Upper
25	12,7716	1,9658	23,5773
26	11,5611	0,0574	23,0647
27	22,2369	9,9059	34,5679
28	14,7755	1,5118	28,0392
29	20,9304	6,6494	35,2115
30	10,9281	-4,4382	26,2945
31	15,9325	-0,5736	32,4386
32	14,7139	-2,9759	32,4037
33	9,5270	-9,3823	28,4362
34	5,9502	-14,2077	26,1081
35	6,7150	-14,7158	28,1457
36	14,4941	-8,2295	37,2176

- **Winter's Additive**
Additive Method

Data KP Botol
Length 24

Smoothing Constants

α (level) 0,2
 γ (trend) 0,2
 δ (seasonal) 0,0

Accuracy Measures

MAPE 23,6422
MAD 4,1231
MSD 36,9827

Time	KP			
	Botol	Smooth	Predict	Error
1	15	14,5546	14,7189	0,2811
2	10	13,9195	14,0951	-4,0951
3	31	27,9204	27,9322	3,0678
4	20	19,6901	19,8246	0,1754
5	34	29,5040	29,6455	4,3545
6	12	17,1608	17,4764	-5,4764
7	39	25,0255	25,1221	13,8779
8	15	27,0421	27,6938	-12,6938
9	17	17,7994	17,9434	-0,9434
10	11	12,3991	12,5053	-1,5053
11	15	14,3486	14,3946	0,6054
12	32	30,6601	30,7303	1,2697
13	16	16,3964	16,5175	-0,5175
14	19	15,5583	15,6587	3,3413
15	27	30,9713	31,2053	-4,2053
16	20	21,5086	21,5744	-1,5744
17	25	30,9038	30,9067	-5,9067
18	20	16,3697	16,1362	3,8638
19	10	25,5533	25,4744	-15,4744
20	32	21,5239	20,8260	11,1740
21	15	15,7052	15,4542	-0,4542
22	10	10,0077	9,7386	0,2614
23	10	11,9353	11,6766	-1,6766
24	25	27,4857	27,1600	-2,1600

Forecasts

Period	Forecast	Lower	Upper
25	11,7280	1,6265	21,8295
26	10,4603	0,2005	20,7200
27	24,6925	14,2563	35,1288
28	15,4248	4,7948	26,0548
29	24,6570	13,8170	35,4971
30	10,8893	-0,1763	21,9549
31	19,1215	7,8159	30,4272
32	17,8538	6,2944	29,4132
33	10,0860	-1,7397	21,9118
34	4,3183	-7,7858	16,4224
35	6,0505	-6,3429	18,4440
36	21,7828	9,0896	34,4759

f. Agen Kantor Pos Galon

• *Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	17								
2	11								
3	10	14	-4	-4	4	16	40	-1	
4	14	10.5	3.5	-0.5	3.75	14.125	32.5	-0.1333333	0.78125
5	17	12	5	4.5	4.166667	17.75	31.47059	1.08	0.5236487
6	13	15.5	-2.5	2	3.75	14.875	28.41063	0.5333334	0.62
7	10	15	-5	-3	4	16.9	32.72851	-0.75	0.5603448
8	18	11.5	6.5	3.5	4.416667	21.125	33.29227	0.7924529	0.3968024
9	10	14	-4	-0.5	4.357143	20.39286	34.25052	-0.1147541	0.311722
10	16	14	2	1.5	4.0625	18.34375	31.53171	0.3692308	0.2927631
11	16	13	3	4.5	3.944444	17.30556	30.11152	1.140845	0.2980245
12	13	16	-3	1.5	3.85	16.475	29.40806	0.3896104	0.3526188
13	10	14.5	-4.5	-3	3.909091	16.81818	30.82551	-0.7674419	0.3211538
14	27	11.5	15.5	12.5	4.875	35.4375	33.04067	2.564103	0.1764151
15	29	18.5	10.5	23	5.307693	41.19231	33.28423	4.333333	0.2132206
16	20	28	-8	15	5	42.82143	33.76392	2.727273	0.5436573
17	14	24.5	-10.5	4.5	5.833333	47.31667	36.513	0.7714285	0.6897378
18	23	17	6	10.5	5.84375	46.60938	35.86137	1.796791	0.6408318
19	17	18.5	-1.5	9	5.588235	44	34.27091	1.610526	0.6511886
20	20	20	0	9	5.277778	41.55556	32.36697	1.705263	0.6663594
21	18	18.5	-0.5	8.5	5.026316	39.38158	30.80964	1.6911	0.6733425
22	21	19	2	10.5	4.875	37.6125	29.74535	2.153846	0.6680576
23	19	19.5	-0.5	10	4.666667	35.83333	28.45422	2.142857	0.678757
24	25	20	5	15	4.681818	35.34091	28.06994	3.203884	0.6393857
25		22							
26		22							
27		22							
28		22							
29		22							
30		22							
31		22							
32		22							
33		22							
34		22							
35		22							
36		22							
CFE		15							
MAD		4.681818							
MSE		35.34091							
MAPE		28.06994							
Trk. Signal		3.203884							
R-square		0.6393857							
		m=2							

• *Weight Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	17								
2	11								
3	10	14	-4	-4	4	16	40	-1	
4	14	10.5	3.5	-0.5	3.75	14.125	32.5	-0.1333333	0.78125
5	17	12	5	4.5	4.166667	17.75	31.47059	1.08	0.5236487
6	13	15.5	-2.5	2	3.75	14.875	28.41063	0.5333334	0.62
7	10	15	-5	-3	4	16.9	32.72851	-0.75	0.5603448
8	18	11.5	6.5	3.5	4.416667	21.125	33.29227	0.7924529	0.3968024
9	10	14	-4	-0.5	4.357143	20.39286	34.25052	-0.1147541	0.311722
10	16	14	2	1.5	4.0625	18.34375	31.53171	0.3692308	0.2927631
11	16	13	3	4.5	3.944444	17.30556	30.11152	1.140845	0.2980245
12	13	16	-3	1.5	3.85	16.475	29.40806	0.3896104	0.3526188
13	10	14.5	-4.5	-3	3.909091	16.81818	30.82551	-0.7674419	0.3211538
14	27	11.5	15.5	12.5	4.875	35.4375	33.04067	2.564103	0.1764151
15	29	18.5	10.5	23	5.307693	41.19231	33.28423	4.333333	0.2132206
16	20	28	-8	15	5	42.82143	33.76392	2.727273	0.5436573
17	14	24.5	-10.5	4.5	5.833333	47.31667	36.513	0.7714285	0.6897378
18	23	17	6	10.5	5.84375	46.60938	35.86137	1.796791	0.6408318
19	17	18.5	-1.5	9	5.588235	44	34.27091	1.610526	0.6511886
20	20	20	0	9	5.277778	41.55556	32.36697	1.705263	0.6663594
21	18	18.5	-0.5	8.5	5.026316	39.38158	30.80964	1.6911	0.6733425
22	21	19	2	10.5	4.875	37.6125	29.74535	2.153846	0.6680576

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
23	19	19.5	-0.5	10	4.666667	35.83333	28.45422	2.142857	0.678757
24	25	20	5	15	4.681818	35.34091	28.06994	3.203884	0.6393857
25		22							
26		22							
27		22							
28		22							
29		22							
30		22							
31		22							
32		22							
33		22							
34		22							
35		22							
36		22							
CFE		15							
MAD		4.681818							
MSE		35.34091							
MAPE		28.06994							
Trk.Signal		3.203884							
R-square		0.6393857							
		m=2							
		w(1)=0.5							
		w(2)=0.5							

- **Winter's Multiplicative**
Multiplicative Method

Data KP Galon
Length 24

Smoothing Constants

α (level) 0,1
 γ (trend) 0,1
 δ (seasonal) 0,0

Accuracy Measures

MAPE 19,3734
MAD 3,2805
MSD 18,9701

Time	KP Galon	Smooth	Predict	Error
1	17	10,9401	11,0067	5,9933
2	11	15,9240	16,0975	-5,0975
3	10	15,8878	16,0126	-6,0126
4	14	13,4949	13,5516	0,4484
5	17	12,4359	12,4919	4,5081
6	13	14,7926	14,9081	-1,9081
7	10	10,9906	11,0626	-1,0626
8	18	15,4387	15,5251	2,4749
9	10	11,4879	11,5689	-1,5689
10	16	15,0739	15,1602	0,8398
11	16	14,3719	14,4611	1,5389
12	13	15,6887	15,8010	-2,8010
13	10	11,8340	11,8983	-1,8983
14	27	16,0646	16,1267	10,8733
15	29	17,5454	17,7195	11,2805
16	20	16,5038	16,7551	3,2449
17	14	15,6218	15,8813	-1,8813
18	23	17,9363	18,2114	4,7886

19	17	13,9576	14,1988	2,8012
20	20	20,4023	20,7817	-0,7817
21	18	15,0793	15,3499	2,6501
22	21	20,6254	21,0179	-0,0179
23	19	19,8136	20,1834	-1,1834
24	25	21,5391	21,9234	3,0766

Forecasts

Period	Forecast	Lower	Upper
25	17,2666	9,2296	25,3037
26	24,1249	16,0570	32,1928
27	25,0318	16,9311	33,1325
28	22,3065	14,1711	30,4419
29	20,7570	12,5851	28,9290
30	24,1290	15,9187	32,3394
31	18,3217	10,0711	26,5723
32	26,2434	17,9508	34,5361
33	19,4248	11,0883	27,7613
34	26,0679	17,6859	34,4500
35	24,9630	16,5336	33,3923
36	27,2119	18,7336	35,6902

- **Winter's Additive**

Additive Method

Data KP Galon
Length 24

Smoothing Constants

α (level) 0,2
 γ (trend) 0,1
 δ (seasonal) 0,0

Accuracy Measures

MAPE 20,5248
MAD 3,2544
MSD 17,1938

Time	KP Galon	Smooth	Predict	Error
1	17	12,1138	12,1942	4,80579
2	11	18,2215	18,3980	-7,39799
3	10	16,9845	17,0131	-7,01306
4	14	12,6765	12,5648	1,43515
5	17	10,9180	10,8350	6,16502
6	13	14,1341	14,1744	-1,17439
7	10	9,0056	9,0224	0,97757
8	18	14,2840	14,3204	3,67959
9	10	9,6224	9,7324	0,26761
10	16	13,8520	13,9673	2,03268
11	16	12,9399	13,0959	2,90408
12	13	14,7428	14,9569	-1,95689
13	10	13,8386	14,0135	-4,01348
14	27	18,2769	18,3715	8,62848
15	29	20,1633	20,4305	8,56947
16	20	19,2105	19,6491	0,35088

17	14	17,7854	18,2310	-4,23101
18	23	19,4509	19,8119	3,18809
19	17	15,5156	15,9404	1,05962
20	20	21,2184	21,6644	-1,66436
21	18	15,8976	16,3102	1,68975
22	21	20,7143	21,1608	-0,16076
23	19	19,6947	20,1379	-1,13795
24	25	20,9764	21,3969	3,60306

Forecasts

Period	Forecast	Lower	Upper
25	21,8832	13,9099	29,8564
26	27,4418	19,3436	35,5400
27	28,0004	19,7630	36,2379
28	25,5591	17,1687	33,9495
29	24,1177	15,5615	32,6740
30	26,6764	17,9421	35,4106
31	22,2350	13,3113	31,1588
32	27,7937	18,6697	36,9176
33	22,8523	13,5181	32,1866
34	27,4110	17,8571	36,9649
35	26,4696	16,6873	36,2519
36	28,0283	18,0094	38,0471

g. Agen Umar Cup

- *Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	600								
2	750								
3	750	675	75	75	75	5625	10	1	
4	1500	750	750	825	412.5	284062.5	30	2	
5	350	1125	-775	50	533.3333	389583.3	93.80952	0.09375	0.1717604
6	1100	925	175	225	443.75	299843.8	74.33441	0.5070422	0.1842561
7	1100	725	375	600	430	268000	66.28571	1.395349	0.2797858
8	750	1100	-350	250	416.6667	243750	63.01587	0.6	0.2599681
9	800	925	-125	125	375	211160.7	56.24575	0.3333333	0.2471998
10	1200	775	425	550	381.25	207343.8	53.64211	1.442623	0.279828
11	600	1000	-400	150	383.3333	202083.3	55.08928	0.3913043	0.2278283
12	900	900	0	150	345	181875	49.58035	0.4347826	0.2276797
13	500	750	-250	-100	336.3636	171022.7	49.6185	-0.2972973	0.2121671
14	1300	700	600	500	358.3333	186770.8	49.32978	1.395349	0.2217762
15	1350	900	450	950	365.3846	187980.8	48.09929	2.6	0.227987
16	1100	1325	-225	725	355.3571	178169.6	46.12466	2.040201	0.3334718
17	1700	1225	475	1200	363.3333	181333.3	44.91243	3.302752	0.3251232
18	1300	1400	-100	1100	346.875	170625	42.58617	3.171171	0.4046705
19	1670	1500	170	1270	336.4706	162288.2	40.6799	3.774476	0.461332

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
20	1628	1485	143	1413	325.7222	154408.3	38.9079	4.338052	0.5012532
21	1475	1649	-174	1239	317.7368	147875	37.48099	3.899453	0.5976283
22	1250	1551.5	-301.5	937.5	316.925	145026.4	36.81294	2.958113	0.663586
23	1580	1362.5	217.5	1155	312.1905	140373	35.71546	3.699664	0.6527559
24	880	1415	-535	620	322.3182	147002.7	36.85546	1.923565	0.6581277
25		1230							
26		1230							
27		1230							
28		1230							
29		1230							
30		1230							
31		1230							
32		1230							
33		1230							
34		1230							
35		1230							
36		1230							
CFE		620							
MAD		322.3182							
MSE		147002.7							
MAPE		36.85546							
Trk. Signal		1.923565							
R-square		0.6581277							
		m=2							

• **Weight Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	600								
2	750								
3	750	675	75	75	75	5625	10	1	
4	1500	750	750	825	412.5	284062.5	30	2	
5	350	1125	-775	50	533.3333	389583.3	93.80952	0.09375	0.1717604
6	1100	925	175	225	443.75	299843.8	74.33441	0.5070422	0.1842561
7	1100	725	375	600	430	268000	66.28571	1.395349	0.2797858
8	750	1100	-350	250	416.6667	243750	63.01587	0.6	0.2599681
9	800	925	-125	125	375	211160.7	56.24575	0.3333333	0.2471998
10	1200	775	425	550	381.25	207343.8	53.64211	1.442623	0.279828
11	600	1000	-400	150	383.3333	202083.3	55.08928	0.3913043	0.2278283
12	900	900	0	150	345	181875	49.58035	0.4347826	0.2276797
13	500	750	-250	-100	336.3636	171022.7	49.6185	-0.2972973	0.2121671
14	1300	700	600	500	358.3333	186770.8	49.32978	1.395349	0.2217762
15	1350	900	450	950	365.3846	187980.8	48.09929	2.6	0.227987
16	1100	1325	-225	725	355.3571	178169.6	46.12466	2.040201	0.3334718
17	1700	1225	475	1200	363.3333	181333.3	44.91243	3.302752	0.3251232
18	1300	1400	-100	1100	346.875	170625	42.58617	3.171171	0.4046705
19	1670	1500	170	1270	336.4706	162288.2	40.6799	3.774476	0.461332
20	1628	1485	143	1413	325.7222	154408.3	38.9079	4.338052	0.5012532
21	1475	1649	-174	1239	317.7368	147875	37.48099	3.899453	0.5976283
22	1250	1551.5	-301.5	937.5	316.925	145026.4	36.81294	2.958113	0.663586
23	1580	1362.5	217.5	1155	312.1905	140373	35.71546	3.699664	0.6527559
24	880	1415	-535	620	322.3182	147002.7	36.85546	1.923565	0.6581277
25		1230							
26		1230							
27		1230							
28		1230							
29		1230							
30		1230							
31		1230							
32		1230							
33		1230							
34		1230							
35		1230							
36		1230							
CFE		620							
MAD		322.3182							
MSE		147002.7							
MAPE		36.85546							
Trk. Signal		1.923565							
R-square		0.6581277							
		m=2							
		w(1)=0.5							
		w(2)=0.5							

- **Winter's Multiplicative**
Multiplicative Method

Data Umar Cup
Length 24

Smoothing Constants

α (level) 0,1
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 24,7
MAD 237,5
MSD 84752,9

Time	Umar Cup	Smooth	Predict	Error
1	600	422,62	427,78	172,223
2	750	814,75	824,19	-74,185
3	750	831,58	841,19	-91,186
4	1500	1039,61	1051,61	448,395
5	350	836,80	845,96	-495,956
6	1100	945,21	956,08	143,917
7	1100	1109,54	1121,97	-21,968
8	750	951,03	961,58	-211,581
9	800	897,02	907,09	-107,086
10	1200	968,80	979,68	220,316
11	600	874,42	883,91	-283,915
12	900	705,21	713,04	186,958
13	500	481,52	486,67	13,328
14	1300	893,49	902,93	397,075
15	1350	959,73	969,33	380,665
16	1100	1258,67	1270,67	-170,672
17	1700	956,74	965,90	734,101
18	1300	1233,57	1244,44	55,557
19	1670	1429,12	1441,55	228,453
20	1628	1243,71	1254,27	373,731
21	1475	1232,03	1242,09	232,905
22	1250	1367,62	1378,51	-128,506
23	1580	1192,11	1201,60	378,395
24	880	1021,68	1029,51	-149,510

Forecasts

Period	Forecast	Lower	Upper
25	672,78	90,86	1254,71
26	1241,24	657,08	1825,39
27	1273,35	686,82	1859,89
28	1602,96	1013,92	2192,00
29	1232,52	640,83	1824,21
30	1473,77	879,30	2068,24
31	1697,39	1100,00	2294,77
32	1452,15	851,72	2052,58
33	1395,20	791,59	1998,80
34	1518,81	911,90	2125,71
35	1335,29	724,96	1945,62

36 1108,52 494,64 1722,39

• **Winter's Additive**
Additive Method

Data Umar Cup
Length 24

Smoothing Constants

α (level) 0,1
 γ (trend) 0,6
 δ (seasonal) 0,0

Accuracy Measures

MAPE 24,9
MAD 222,8
MSD 76544,4

Time	Umar Cup	Smooth	Predict	Error
1	600	443,08	452,87	147,125
2	750	910,05	928,67	-178,672
3	750	903,27	911,17	-161,170
4	1500	1112,52	1110,75	389,252
5	350	842,14	863,72	-513,723
6	1100	954,82	945,58	154,423
7	1100	1113,49	1113,51	-13,511
8	750	883,63	882,84	-132,841
9	800	785,52	776,77	23,233
10	1200	834,06	826,70	373,305
11	600	696,49	711,53	-111,529
12	900	467,84	476,19	423,813
13	500	536,43	570,20	-70,200
14	1300	1005,65	1035,21	264,792
15	1350	1054,15	1099,60	250,398
16	1100	1342,11	1402,58	-302,582
17	1700	1064,79	1107,11	592,892
18	1300	1308,86	1386,76	-86,755
19	1670	1530,55	1603,23	66,768
20	1628	1381,38	1458,07	169,932
21	1475	1391,03	1477,92	-2,916
22	1250	1532,59	1619,30	-369,304
23	1580	1414,84	1479,40	100,605
24	880	1256,92	1327,51	-447,513

Forecasts

Period	Forecast	Lower	Upper
25	1344,36	798,51	1890,22
26	1830,57	1203,99	2457,15
27	1866,77	1142,13	2591,42
28	2127,98	1294,03	2961,93
29	1864,19	913,56	2814,81
30	2050,40	978,12	3122,67
31	2246,60	1049,23	3443,98
32	2061,81	736,86	3386,76
33	2021,52	567,16	3475,87
34	2120,22	535,09	3705,36

35 1996,43 279,45 3713,41
 36 1807,64 -42,03 3657,30

h. Agen Umar Botol

• **Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	25								
2	37								
3	67	31	36	36	36	1296	53.73134	1	
4	44	52	-8	28	22	680	35.95658	1.272727	
5	55	55.5	-0.5	27.5	14.83333	453.4167	24.27408	1.853933	
6	50	49.5	0.5	28	11.25	340.125	18.45556	2.488889	
7	15	52.5	-37.5	-9.5	16.5	553.35	64.76445	-0.5757576	0.2673343
8	25	32.5	-7.5	-17	15	470.5	58.97038	-1.133333	0.3380682
9	33	20	13	-4	14.71429	427.4286	56.17374	-0.2718447	0.585535
10	48	29	19	15	15.25	419.125	54.09995	0.9836066	0.6593427
11	30	40.5	-10.5	4.5	14.72222	384.8055	51.97773	0.3056604	0.6067082
12	68	39	29	33.5	16.15	430.425	51.04466	2.074303	0.5017892
13	35	49	-14	19.5	15.95455	409.1136	50.0406	1.222222	0.4880094
14	81	51.5	29.5	49	17.08333	447.5417	48.90553	2.868293	0.3957372
15	30	58	-28	21	17.92308	473.4231	52.32306	1.171674	0.3918045
16	40	55.5	-15.5	5.5	17.75	456.7679	51.35355	0.3098592	0.4150334
17	53	35	18	23.5	17.76667	447.9167	50.19413	1.322702	0.4328647
18	30	46.5	-16.5	7	17.6875	436.9375	50.4945	0.3957597	0.4085726
19	50	41.5	8.5	15.5	17.14706	415.4853	48.52423	0.9039451	0.4088306
20	40	40	0	15.5	16.19444	392.4028	45.82845	0.9571183	0.4094743
21	56	45	11	26.5	15.92105	378.1184	44.45026	1.664463	0.403721
22	93	48	45	71.5	17.375	460.4625	44.6471	4.115108	0.312038
23	60	74.5	-14.5	57	17.23809	448.5476	43.67184	3.30663	0.4163804
24	60	76.5	-16.5	40.5	17.20455	440.5341	42.93676	2.354029	0.5246019
25		60							
26		60							
27		60							
28		60							
29		60							
30		60							
31		60							
32		60							
33		60							
34		60							
35		60							
36		60							
CFE		40.5							
MAD		17.20455							
MSE		440.5341							
MAPE		42.93676							
Trk. Signal		2.354029							
R-square		0.5246019							
		m=2							

• **Weight Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	25								
2	37								
3	67	31	36	36	36	1296	53.73134	1	
4	44	52	-8	28	22	680	35.95658	1.272727	
5	55	55.5	-0.5	27.5	14.83333	453.4167	24.27408	1.853933	
6	50	49.5	0.5	28	11.25	340.125	18.45556	2.488889	
7	15	52.5	-37.5	-9.5	16.5	553.35	64.76445	-0.5757576	0.2673343
8	25	32.5	-7.5	-17	15	470.5	58.97038	-1.133333	0.3380682
9	33	20	13	-4	14.71429	427.4286	56.17374	-0.2718447	0.585535
10	48	29	19	15	15.25	419.125	54.09995	0.9836066	0.6593427
11	30	40.5	-10.5	4.5	14.72222	384.8055	51.97773	0.3056604	0.6067082
12	68	39	29	33.5	16.15	430.425	51.04466	2.074303	0.5017892
13	35	49	-14	19.5	15.95455	409.1136	50.0406	1.222222	0.4880094
14	81	51.5	29.5	49	17.08333	447.5417	48.90553	2.868293	0.3957372
15	30	58	-28	21	17.92308	473.4231	52.32306	1.171674	0.3918045
16	40	55.5	-15.5	5.5	17.75	456.7679	51.35355	0.3098592	0.4150334
17	53	35	18	23.5	17.76667	447.9167	50.19413	1.322702	0.4328647
18	30	46.5	-16.5	7	17.6875	436.9375	50.4945	0.3957597	0.4085726
19	50	41.5	8.5	15.5	17.14706	415.4853	48.52423	0.9039451	0.4088306
20	40	40	0	15.5	16.19444	392.4028	45.82845	0.9571183	0.4094743
21	56	45	11	26.5	15.92105	378.1184	44.45026	1.664463	0.403721
22	93	48	45	71.5	17.375	460.4625	44.6471	4.115108	0.312038

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
23	60	74.5	-14.5	57	17.23809	448.5476	43.67184	3.30663	0.4163804
24	60	76.5	-16.5	40.5	17.20455	440.5341	42.93676	2.354029	0.5246019
25		60							
26		60							
27		60							
28		60							
29		60							
30		60							
31		60							
32		60							
33		60							
34		60							
35		60							
36		60							
CFE		40.5							
MAD		17.20455							
MSE		440.5341							
MAPE		42.93676							
Trk.Signal		2.354029							
R-square		0.5246019							
		m=2							
		w(1)=0.5							
		w(2)=0.5							

- **Winter's Multiplicative**
Multiplicative Method

Data Umar Botol
Length 24

Smoothing Constants

α (level) 0,5
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 24,994
MAD 9,928
MSD 197,881

Time	Umar Botol	Smooth	Predict	Error
1	25	25,5557	25,7767	-0,7767
2	37	49,5557	49,9872	-12,9872
3	67	36,1782	36,5371	30,4629
4	44	44,3834	44,6911	-0,6911
5	55	56,7929	57,1869	-2,1869
6	50	41,6034	41,8957	8,1043
7	15	36,6301	36,8631	-21,8631
8	25	26,0058	26,2395	-1,2395
9	33	34,9455	35,2642	-2,2642
10	48	53,8339	54,3365	-6,3365
11	30	32,5456	32,8654	-2,8654
12	68	44,9060	45,3627	22,6373
13	35	27,4287	27,6497	7,3503
14	81	61,1432	61,5747	19,4253
15	30	59,2972	59,6561	-29,6561
16	40	38,4330	38,7407	1,2593
17	53	50,4212	50,8152	2,1848
18	30	38,4988	38,7911	-8,7911

19	50	27,4205	27,6535	22,3465
20	40	38,9379	39,1716	0,8284
21	56	53,9954	54,3141	1,6859
22	93	86,9948	87,4975	5,5025
23	60	57,4028	57,7225	2,2775
24	60	84,0915	84,5483	-24,5483

Forecasts

Period	Forecast	Lower	Upper
25	35,1953	10,8722	59,518
26	69,1293	42,3266	95,932
27	57,8611	28,0715	87,651
28	49,9145	16,7678	83,061
29	64,3190	27,5460	101,092
30	47,9964	7,4001	88,593
31	38,4962	-6,0697	83,062
32	38,8401	-9,8060	87,486
33	53,2969	0,4857	106,108
34	84,5637	27,5211	141,606
35	54,1065	-7,2201	115,433
36	77,7555	12,1026	143,408

- **Winter's Additive**

Additive Method

Data Umar Botol
Length 24

Smoothing Constants

α (level) 0,5
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 25,982
MAD 10,467
MSD 211,094

Time	Umar Botol	Smooth	Predict	Error
1	25	27,7343	28,0735	-3,0735
2	37	54,5554	54,8946	-17,8946
3	67	34,4660	34,8051	32,1949
4	44	43,4213	43,7604	0,2396
5	55	54,8989	55,2381	-0,2381
6	50	40,1377	40,4769	9,5231
7	15	36,7571	37,0963	-22,0963
8	25	25,0668	25,4060	-0,4060
9	33	36,2217	36,5609	-3,5609
10	48	59,7991	60,1383	-12,1383
11	30	27,5878	27,9270	2,0730
12	68	46,9822	47,3214	20,6786
13	35	34,4550	34,7942	0,2058
14	81	62,9158	63,2549	17,7451
15	30	60,6462	60,9853	-30,9853
16	40	38,0114	38,3505	1,6495

17	53	50,1940	50,5331	2,4669
18	30	36,7853	37,1244	-7,1244
19	50	25,0809	25,4201	24,5799
20	40	36,7287	37,0679	2,9321
21	56	49,5526	49,8918	6,1082
22	93	77,9646	78,3038	14,6962
23	60	59,1706	59,5097	0,4903
24	60	77,7736	78,1127	-18,1127

Forecasts

Period	Forecast	Lower	Upper
25	46,1899	20,5457	71,834
26	74,5477	46,2892	102,806
27	63,4056	31,9980	94,813
28	56,2634	21,3163	91,211
29	67,6213	28,8509	106,392
30	52,9792	10,1778	95,781
31	44,8370	-2,1496	91,824
32	44,1949	-7,0936	95,483
33	55,5527	-0,1270	111,232
34	80,9106	20,7696	141,052
35	54,7684	-9,8893	119,426
36	73,1263	3,9073	142,345

i. Agen Umar Galon

• *Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	64								
2	53								
3	70	58.5	11.5	11.5	11.5	132.25	16.42057	1	
4	61	61.5	-0.5	11	6	66.25	8.624122	1.833333	
5	63	65.5	-2.5	8.5	4.833333	46.25	7.072166	1.758621	
6	51	62	-11	-2.5	6.375	64.9375	10.69628	-0.3921569	0.1420839
7	68	57	11	8.5	7.3	76.15	11.79232	1.164384	0.2628842
8	56	59.5	-3.5	5	6.666667	65.5	10.8686	0.75	0.192233
9	55	62	-7	-2	6.714286	63.14286	11.13412	-0.2978723	0.1614786
10	68	55.5	12.5	10.5	7.4375	74.78125	12.04015	1.411765	0.250731
11	78	61.5	16.5	27	8.444445	96.72222	13.05278	3.197368	0.2645546
12	80	73	7	34	8.3	91.95	12.62251	4.096385	0.3998801
13	112	79	33	67	10.54545	182.5909	14.15358	6.353448	0.31709
14	10	96	-86	-19	16.83333	783.7083	84.64078	-1.128713	0.2491478
15	95	61	34	15	18.15385	812.3461	80.88298	0.8262712	0.2193174
16	73	52.5	20.5	35.5	18.32143	784.3393	77.1115	1.937622	0.2512456
17	51	84	-33	2.5	19.3	804.65	76.28445	0.1295337	0.2790231
18	86	62	24	26.5	19.59375	790.3594	73.26086	1.352472	0.2729303
19	121	68.5	52.5	79	21.52941	906	71.50366	3.669399	0.233152

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
20	104	103.5	0.5	79.5	20.36111	855.6805	67.55795	3.904502	0.3279848
21	111	112.5	-1.5	78	19.36842	810.7632	64.07339	4.027174	0.4366065
22	78	107.5	-29.5	48.5	19.875	813.7375	62.76074	2.440252	0.5233499
23	146	94.5	51.5	100	21.38095	901.2857	61.45185	4.67706	0.4265085
24	116	112	4	104	20.59091	861.0455	58.81532	5.050772	0.4718984
25		131							
26		131							
27		131							
28		131							
29		131							
30		131							
31		131							
32		131							
33		131							
34		131							
35		131							
36		131							
CFE		104							
MAD		20.59091							
MSE		861.0455							
MAPE		58.81532							
Trk. Signal		5.050772							
R-square		0.4718984							
		m=2							

• **Weight Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	64								
2	53								
3	70	58.5	11.5	11.5	11.5	132.25	16.42857	1	
4	61	61.5	-0.5	11	6	66.25	8.624122	1.833333	
5	63	65.5	-2.5	8.5	4.833333	46.25	7.072166	1.758621	
6	51	62	-11	-2.5	6.375	64.9375	10.69628	-0.3921569	0.1420839
7	68	57	11	8.5	7.3	76.15	11.79232	1.164384	0.2628842
8	56	59.5	-3.5	5	6.666667	65.5	10.8686	0.75	0.192233
9	55	62	-7	-2	6.714286	63.14286	11.13412	-0.2978723	0.1614786
10	68	55.5	12.5	10.5	7.4375	74.78125	12.04015	1.411765	0.250731
11	78	61.5	16.5	27	8.444445	96.72222	13.05278	3.197368	0.2645546
12	80	73	7	34	8.3	91.95	12.62251	4.096385	0.3998801
13	112	79	33	67	10.54545	182.5909	14.15358	6.353448	0.31709
14	10	96	-86	-19	16.83333	783.7083	84.64078	-1.128713	0.2491478
15	95	61	34	15	18.15385	812.3461	80.88298	0.8262712	0.2193174
16	73	52.5	20.5	35.5	18.32143	784.3393	77.1115	1.937622	0.2512456
17	51	84	-33	2.5	19.3	804.65	76.28445	0.1295337	0.2790231
18	86	62	24	26.5	19.59375	790.3594	73.26086	1.352472	0.2729303
19	121	68.5	52.5	79	21.52941	906	71.50366	3.669399	0.233152
20	104	103.5	0.5	79.5	20.36111	855.6805	67.55795	3.904502	0.3279848
21	111	112.5	-1.5	78	19.36842	810.7632	64.07339	4.027174	0.4366065
22	78	107.5	-29.5	48.5	19.875	813.7375	62.76074	2.440252	0.5233499
23	146	94.5	51.5	100	21.38095	901.2857	61.45185	4.67706	0.4265085
24	116	112	4	104	20.59091	861.0455	58.81532	5.050772	0.4718984
25		131							
26		131							
27		131							
28		131							
29		131							
30		131							
31		131							
32		131							
33		131							
34		131							
35		131							
36		131							
CFE		104							
MAD		20.59091							
MSE		861.0455							
MAPE		58.81532							
Trk. Signal		5.050772							
R-square		0.4718984							
		m=2							
		w(1)=0.5							
		w(2)=0.5							

- **Winter's Multiplicative**
Multiplicative Method

Data Umar Galon
Length 24

Smoothing Constants

α (level) 0,1
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 26,055
MAD 13,922
MSD 266,700

Time	Umar Galon	Smooth	Predict	Error
1	64	64,887	66,320	-2,3202
2	53	24,243	24,768	28,2318
3	70	70,056	71,390	-1,3903
4	61	57,678	58,758	2,2416
5	63	50,222	51,142	11,8580
6	51	61,874	62,962	-11,9620
7	68	84,715	86,207	-18,2068
8	56	71,037	72,293	-16,2930
9	55	72,865	74,160	-19,1601
10	68	63,740	64,883	3,1174
11	78	98,827	100,559	-22,5590
12	80	85,900	87,414	-7,4136
13	112	82,060	83,493	28,5070
14	10	31,673	32,198	-22,1984
15	95	76,117	77,451	-17,5486
16	73	64,118	65,198	7,8020
17	51	56,179	57,099	-6,0986
18	86	66,794	67,882	18,1179
19	121	95,589	97,081	23,9194
20	104	83,737	84,993	19,0071
21	111	89,601	90,896	20,1044
22	78	81,970	83,112	-5,1123
23	146	125,214	126,946	19,0542
24	116	112,594	114,107	1,8927

Forecasts

Period	Forecast	Lower	Upper
25	109,647	75,540	143,755
26	40,747	6,509	74,985
27	104,792	70,415	139,169
28	85,910	51,386	120,434
29	74,070	39,390	108,749
30	88,671	53,828	123,513
31	123,108	88,095	158,122
32	104,890	69,698	140,082
33	109,452	74,075	144,830
34	97,711	62,140	133,282

35	149,851	114,079	185,623
36	132,457	96,478	168,437

- **Winter's Additive**

Additive Method

Data Umar Galon
Length 24

Smoothing Constants

α (level) 0,1
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 29,147
MAD 14,641
MSD 294,930

Time	Umar Galon	Smooth	Predict	Error
1	64	80,129	81,363	-17,3633
2	53	20,554	21,788	31,2118
3	70	73,336	74,571	-4,5706
4	61	56,040	57,275	3,7253
5	63	45,074	46,308	16,6915
6	51	56,905	58,139	-7,1389
7	68	80,852	82,086	-14,0862
8	56	63,605	64,839	-8,8388
9	55	64,382	65,616	-10,6161
10	68	51,981	53,216	14,7842
11	78	91,121	92,355	-14,3554
12	80	74,347	75,581	4,4189
13	112	94,326	95,561	16,4393
14	10	38,132	39,366	-29,3659
15	95	84,856	86,091	8,9095
16	73	68,908	70,143	2,8573
17	51	57,855	59,090	-8,0896
18	86	67,208	68,442	17,5581
19	121	93,625	94,859	26,1411
20	104	80,400	81,634	22,3657
21	111	84,298	85,532	25,4680
22	78	75,506	76,740	1,2599
23	146	113,293	114,527	31,4727
24	116	101,102	102,336	13,6642

Forecasts

Period	Forecast	Lower	Upper
25	123,240	87,3693	159,111
26	65,401	29,3928	101,410
27	115,062	78,9077	151,217
28	98,224	61,9142	134,533
29	86,885	50,4122	123,357
30	97,046	60,4019	133,690
31	121,707	84,8835	158,531
32	105,868	68,8571	142,880

33	107,530	70,3227	144,737
34	96,191	58,7806	133,601
35	133,852	96,2307	171,474
36	118,513	80,6733	156,353

j. Agen Joko Sendang Cup

• **Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	761								
2	653								
3	550	707	-157	-157	157	24649	28.54545	-1	
4	500	601.5	-101.5	-258.5	129.25	17475.63	24.42273	-2	
5	549	525	24	-234.5	94.16666	11842.42	17.73901	-2.490266	
6	672	524.5	147.5	-87	107.5	14320.88	18.79161	-0.8093023	
7	540	610.5	-70.5	-157.5	100.1	12450.75	17.6444	-1.573427	
8	526	606	-80	-237.5	96.75	11442.29	17.23852	-2.45478	
9	595	533	62	-175.5	91.78571	10356.82	16.26447	-1.912062	
10	654	560.5	93.5	-82	92	10155	16.01849	-0.8913044	
11	757	624.5	132.5	50.5	96.5	10977.36	16.18347	0.5233161	0.5048876
12	327	705.5	-378.5	-328	124.7	24205.85	26.14005	-2.630313	0.4267394
13	628	542	86	-242	121.1818	22677.68	25.00861	-1.996999	0.3957582
14	485	477.5	7.5	-234.5	111.7083	20792.56	23.05343	-2.099217	0.4647371
15	1421	556.5	864.5	630	169.6154	76682.38	25.95989	3.714286	0.1085124
16	1495	953	542	1172	196.2143	92188.21	26.69519	5.973062	0.1883534
17	1270	1458	-188	984	195.6667	88398.6	25.90239	5.028961	0.5088964
18	2705	1382.5	1322.5	2306.5	266.0938	192186.6	27.33918	8.667997	0.3059207
19	2100	1987.5	112.5	2419	257.0588	181626	26.04612	9.410297	0.4648191
20	2250	2402.5	-152.5	2266.5	251.25	172827.7	24.97565	9.020896	0.6564479
21	1700	2175	-475	1791.5	263.0263	175606.5	25.13173	6.811106	0.7870322
22	1315	1975	-660	1131.5	282.875	188606.1	26.38465	4	0.8801206
23	2000	1507.5	492.5	1624	292.8571	191175.2	26.30086	5.545366	0.835763
24	1102	1657.5	-555.5	1068.5	304.7954	196511.8	27.39665	3.50563	0.8673244
25		1551							
26		1551							
27		1551							
28		1551							
29		1551							
30		1551							
31		1551							
32		1551							
33		1551							
34		1551							
35		1551							
36		1551							
CFE		1068.5							
MAD		304.7954							
MSE		196511.8							
MAPE		27.39665							
Trk.Signal		3.50563							
R-square		0.8673244							
		m=2							

- **Weight Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	761								
2	653								
3	550	707	-157	-157	157	24649	28.54545	-1	
4	500	601.5	-101.5	-258.5	129.25	17475.63	24.42273	-2	
5	549	525	24	-234.5	94.16666	11842.42	17.73901	-2.490266	
6	672	524.5	147.5	-87	107.5	14320.88	18.79161	-0.8093023	
7	540	610.5	-70.5	-157.5	100.1	12450.75	17.6444	-1.573427	
8	526	606	-80	-237.5	96.75	11442.29	17.23852	-2.45478	
9	595	533	62	-175.5	91.78571	10356.82	16.26447	-1.912062	
10	654	560.5	93.5	-82	92	10155	16.01849	-0.8913044	
11	757	624.5	132.5	50.5	96.5	10977.36	16.18347	0.5233161	0.5048876
12	327	705.5	-378.5	-328	124.7	24205.85	26.14005	-2.630313	0.4267394
13	628	542	86	-242	121.1818	22677.68	25.00861	-1.996999	0.3957582
14	485	477.5	7.5	-234.5	111.7083	20792.56	23.05343	-2.099217	0.4647371
15	1421	556.5	864.5	630	169.6154	76682.38	25.95989	3.714286	0.1085124
16	1495	953	542	1172	196.2143	92188.21	26.69519	5.973062	0.1883534
17	1270	1458	-188	984	195.6667	88398.6	25.90239	5.028961	0.5088964
18	2705	1382.5	1322.5	2306.5	266.0938	192186.6	27.33918	8.667997	0.3059207
19	2100	1987.5	112.5	2419	257.0588	181626	26.04612	9.410297	0.4648191
20	2250	2402.5	-152.5	2266.5	251.25	172827.7	24.97565	9.020896	0.6564479
21	1700	2175	-475	1791.5	263.0263	175606.5	25.13173	6.811106	0.7870322
22	1315	1975	-660	1131.5	282.875	188606.1	26.38465	4	0.8801206
23	2000	1507.5	492.5	1624	292.8571	191175.2	26.30086	5.545366	0.835763
24	1102	1657.5	-555.5	1068.5	304.7954	196511.8	27.39665	3.50563	0.8673244
25		1551							
26		1551							
27		1551							
28		1551							
29		1551							
30		1551							
31		1551							
32		1551							
33		1551							
34		1551							
35		1551							
36		1551							
CFE		1068.5							
MAD		304.7954							
MSE		196511.8							
MAPE		27.39665							
Trk.Signal		3.50563							
R-square		0.8673244							
		m=2							
		w(1)=0.5							
		w(2)=0.5							

- **Winter's Multiplicative**

Multiplicative Method

Data JS Cup
Length 24

Smoothing Constants

α (level) 1
 γ (trend) 0
 δ (seasonal) 0

Accuracy Measures

MAPE 19,6
MAD 168,2
MSD 53886,1

Time JS Cup Smooth Predict Error

1	761	461,83	454,84	306,165
2	653	619,61	613,91	39,085
3	550	1086,52	1077,05	-527,049
4	500	550,28	540,80	-40,803
5	549	454,50	445,89	103,115
6	672	999,81	984,12	-312,121
7	540	521,32	509,15	30,855
8	526	562,30	549,62	-23,622
9	595	434,44	423,97	171,030
10	654	510,10	501,12	152,881
11	757	903,11	890,72	-133,718
12	327	387,47	381,12	-54,122
13	628	360,46	353,47	274,531
14	485	511,32	505,63	-20,625
15	1421	806,99	797,51	623,486
16	1495	1421,73	1412,25	82,748
17	1270	1358,96	1350,35	-80,345
18	2705	2312,87	2297,17	407,825
19	2100	2098,47	2086,29	13,708
20	2250	2186,72	2174,04	75,959
21	1700	1858,35	1847,88	-147,877
22	1315	1457,41	1448,44	-133,439
23	2000	1815,89	1803,50	196,502
24	1102	1023,69	1017,35	84,654

Forecasts

Period	Forecast	Lower	Upper
25	1207,78	795,75	1619,81
26	977,68	394,99	1560,38
27	1617,29	828,31	2406,26
28	1608,64	599,38	2617,90
29	1453,65	217,56	2689,73
30	2631,62	1165,20	4098,04
31	2029,37	330,53	3728,20
32	2100,49	167,91	4033,07
33	1724,39	-442,84	3891,62
34	1469,35	-933,16	3871,87
35	2016,64	-621,62	4654,91
36	1025,86	-1848,50	3900,23

- **Winter's Additive**
Additive Method

Data JS Cup
Length 24

Smoothing Constants

α (level) 0,8
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 29,9
MAD 243,0
MSD 94940,5

Time	JS Cup	Smooth	Predict	Error
1	761	655,81	645,89	115,110
2	653	544,97	535,05	117,949
3	550	978,40	968,48	-418,483
4	500	578,19	568,27	-68,270
5	549	358,14	348,23	200,773
6	672	1220,33	1210,42	-538,418
7	540	343,67	333,76	206,243
8	526	499,24	489,32	36,676
9	595	210,65	200,74	394,262
10	654	285,64	275,72	378,279
11	757	904,83	894,92	-137,917
12	327	53,07	43,16	283,844
13	628	992,85	982,93	-354,935
14	485	505,98	496,06	-11,060
15	1421	836,20	826,29	594,715
16	1495	1246,55	1236,63	258,370
17	1270	1287,82	1277,90	-7,899
18	2705	1983,07	1973,15	731,847
19	2100	2122,62	2112,70	-12,704
20	2250	2103,03	2093,11	156,886
21	1700	1910,61	1900,70	-200,696
22	1315	1509,63	1499,71	-184,712
23	2000	1678,43	1668,52	331,485
24	1102	1202,19	1192,28	-90,276

Forecasts

Period	Forecast	Lower	Upper
25	1832,76	1237,44	2428,08
26	1629,83	876,81	2382,86
27	1968,90	1023,86	2913,95
28	1903,48	749,11	3057,85
29	1738,05	364,94	3111,16
30	2439,62	842,21	4037,03
31	1993,70	168,48	3818,91
32	1984,27	-71,09	4039,63
33	1666,34	-620,80	3953,49
34	1425,92	-1094,19	3946,02
35	1742,49	-1011,47	4496,45
36	1001,06	-1987,42	3989,54

k. Agen Joko Sendang Botol

• *Moving Average*

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	32								
2	44								
3	36	38	-2	-2	2	4	5.555555	-1	
4	30	40	-10	-12	6	52	19.44444	-2	
5	38	33	5	-7	5.666667	43	17.34893	-1.235294	
6	41	34	7	0	6	44.5	17.27999	0	0.5057915
7	48	39.5	8.5	8.5	6.5	50.05	17.36566	1.307692	0.3176368
8	47	44.5	2.5	11	5.833333	42.75	15.35791	1.885714	0.4679487
9	41	47.5	-6.5	4.5	5.928571	42.67857	15.42873	0.7590362	0.7106143
10	33	44	-11	-6.5	6.5625	52.46875	17.6668	-0.9904762	0.6690519
11	35	37	-2	-8.5	6.055555	47.08333	16.33875	-1.40367	0.6702067
12	96	34	62	53.5	11.65	426.775	21.1632	4.592275	0.1559753
13	72	65.5	6.5	60	11.18182	391.8182	20.05998	5.365854	0.2997456
14	176	84	92	152	17.91667	1064.5	22.74438	8.483721	0.2308274
15	78	124	-46	106	20.07692	1145.385	25.5313	5.279694	0.4659872
16	41	127	-86	20	24.78572	1591.857	38.69021	0.8069164	0.6854181
17	50	59.5	-9.5	10.5	23.76667	1491.75	37.37753	0.4417952	0.6827012
18	210	45.5	164.5	175	32.5625	3089.781	39.93727	5.37428	0.3745149
19	40	130	-90	85	35.94118	3384.5	50.82331	2.364975	0.4546231

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
20	74	125	-51	34	36.77778	3340.972	51.82862	0.9244713	0.5380886
21	35	57	-22	12	36	3190.605	52.40907	0.3333333	0.5266477
22	34	54.5	-20.5	-8.5	35.225	3052.087	52.80332	-0.2413059	0.517998
23	44	34.5	9.5	1	34	2911.048	51.31702	2.941176E-02	0.5315844
24	71	39	32	33	33.90909	2825.273	51.03308	0.9731903	0.5428545
25		57.5							
26		57.5							
27		57.5							
28		57.5							
29		57.5							
30		57.5							
31		57.5							
32		57.5							
33		57.5							
34		57.5							
35		57.5							
36		57.5							
CFE		33							
MAD		33.90909							
MSE		2825.273							
MAPE		51.03308							
Trk. Signal		0.9731903							
R-square		0.5428545							
		m=2							

• **Weight Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	32								
2	44								
3	36	38	-2	-2	2	4	5.555555	-1	
4	30	40	-10	-12	6	52	19.44444	-2	
5	38	33	5	-7	5.666667	43	17.34893	-1.235294	
6	41	34	7	0	6	44.5	17.27999	0	0.5057915
7	48	39.5	8.5	8.5	6.5	50.05	17.36566	1.307692	0.3176368
8	47	44.5	2.5	11	5.833333	42.75	15.35791	1.885714	0.4679487
9	41	47.5	-6.5	4.5	5.928571	42.67857	15.42873	0.7590362	0.7106143
10	33	44	-11	-6.5	6.5625	52.46875	17.6668	-0.9904762	0.6690519
11	35	37	-2	-8.5	6.055555	47.08333	16.33875	-1.40367	0.6702067
12	96	34	62	53.5	11.65	426.775	21.1632	4.592275	0.1559753
13	72	65.5	6.5	60	11.18182	391.8182	20.05998	5.365854	0.2997456
14	176	84	92	152	17.91667	1064.5	22.74438	8.483721	0.2308274
15	78	124	-46	106	20.07692	1145.385	25.5313	5.279694	0.4659872
16	41	127	-86	20	24.78572	1591.857	38.69021	0.8069164	0.6854181
17	50	59.5	-9.5	10.5	23.76667	1491.75	37.37753	0.4417952	0.6827012
18	210	45.5	164.5	175	32.5625	3089.781	39.93727	5.37428	0.3745149
19	40	130	-90	85	35.94118	3384.5	50.82331	2.364975	0.4546231
20	74	125	-51	34	36.77778	3340.972	51.82862	0.9244713	0.5380886
21	35	57	-22	12	36	3190.605	52.40907	0.3333333	0.5266477
22	34	54.5	-20.5	-8.5	35.225	3052.087	52.80332	-0.2413059	0.517998
23	44	34.5	9.5	1	34	2911.048	51.31702	2.941176E-02	0.5315844
24	71	39	32	33	33.90909	2825.273	51.03308	0.9731903	0.5428545
25		57.5							
26		57.5							
27		57.5							
28		57.5							
29		57.5							
30		57.5							
31		57.5							
32		57.5							
33		57.5							
34		57.5							
35		57.5							
36		57.5							
CFE		33							
MAD		33.90909							
MSE		2825.273							
MAPE		51.03308							
Trk. Signal		0.9731903							
R-square		0.5428545							
		m=2							
		w(1)=0.5							
		w(2)=0.5							

- **Winter's Multiplicative**
Multiplicative Method

Data JS Botol
Length 24

Smoothing Constants

α (level) 0,4
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 27,196
MAD 14,889
MSD 448,112

Time	JS Botol	Smooth	Predict	Error
1	32	24,261	26,376	5,6241
2	44	60,112	64,554	-20,5541
3	36	29,229	31,533	4,4667
4	30	20,771	22,208	7,7922
5	38	31,301	33,076	4,9237
6	41	98,635	103,632	-62,6321
7	48	27,864	29,636	18,3637
8	47	50,393	52,808	-5,8076
9	41	31,790	33,311	7,6893
10	33	31,922	33,256	-0,2559
11	35	38,899	40,464	-5,4639
12	96	81,063	84,377	11,6226
13	72	56,810	58,926	13,0743
14	176	134,723	139,165	36,8349
15	78	79,852	82,157	-4,1566
16	41	50,179	51,615	-10,6152
17	50	58,547	60,323	-10,3226
18	210	158,154	163,152	46,8484
19	40	64,498	66,271	-26,2705
20	74	75,984	78,399	-4,3987
21	35	48,260	49,780	-14,7802
22	34	38,486	39,820	-5,8196
23	44	43,989	45,554	-1,5540
24	71	95,154	98,469	-27,4688

Forecasts

Period	Forecast	Lower	Upper
25	57,940	21,462	94,417
26	126,112	87,279	164,946
27	67,739	26,113	109,366
28	43,664	-1,111	88,439
29	55,743	7,534	103,953
30	161,884	110,011	213,758
31	59,176	3,456	114,897
32	83,051	23,334	142,767
33	53,817	-10,016	117,651
34	48,548	-19,500	116,597

35	58,526	-13,819	130,871
36	127,257	50,548	203,966

- **Winter's Additive**

Additive Method

Data JS Botol
Length 24

Smoothing Constants

α (level) 0,1
 γ (trend) 0,0
 δ (seasonal) 0,0

Accuracy Measures

MAPE 43,460
MAD 22,783
MSD 846,200

Time	JS Botol	Smooth	Predict	Error
1	32	28,798	31,214	0,7861
2	44	87,595	90,011	-46,0112
3	36	30,713	33,129	2,8713
4	30	10,218	12,635	17,3654
5	38	21,174	23,590	14,4102
6	41	104,833	107,250	-66,2495
7	48	17,427	19,843	28,1567
8	47	37,462	39,878	7,1224
9	41	16,392	18,809	22,1915
10	33	14,830	17,246	15,7536
11	35	23,124	25,540	9,4596
12	96	68,789	71,205	24,7949
13	72	60,856	63,272	8,7280
14	176	120,447	122,863	53,1365
15	78	73,480	75,896	2,1042
16	41	52,909	55,325	-14,3249
17	50	60,695	63,111	-13,1111
18	210	141,603	144,019	65,9813
19	40	67,419	69,836	-29,8355
20	74	81,655	84,071	-10,0707
21	35	58,866	61,282	-26,2823
22	34	52,457	54,873	-20,8728
23	44	57,088	59,504	-15,5042
24	71	100,256	102,672	-31,6724

Forecasts

Period	Forecast	Lower	Upper
25	89,093	33,275	144,910
26	147,811	91,779	203,843
27	95,530	39,270	151,790
28	74,749	18,248	131,249
29	83,967	27,213	140,722
30	166,186	109,165	223,207
31	85,405	28,104	142,706
32	102,623	45,031	160,216

33	80,842	22,945	138,739
34	77,061	18,847	135,275
35	83,780	25,237	142,322
36	128,498	69,616	187,381

1. Agen Joko Sendang Galon

- **Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-MA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	20								
2	18								
3	8	19	-11	-11	11	121	137.5	-1	
4	6	13	-7	-18	9	85	127.0833	-2	
5	12	7	5	-13	7.666667	65	98.61111	-1.695652	
6	21	9	12	-1	8.75	84.75	88.24405	-0.1142857	0.6346516
7	16	16.5	-0.5	-1.5	7.1	67.85	71.22024	-0.2112676	0.6837636
8	24	18.5	5.5	4	6.833333	61.58333	63.16964	0.5853658	0.5048923
9	22	20	2	6	6.142857	53.35714	55.44411	0.9767442	0.5402163
10	7	23	-16	-10	7.375	78.6875	77.08502	-1.355932	0.6290761
11	46	14.5	31.5	21.5	10.05556	180.1944	76.12872	2.138122	0.2174
12	18	26.5	-8.5	13	9.9	169.4	73.23807	1.313131	0.2752
13	22	32	-10	3	9.909091	163.0909	70.71229	0.3027523	0.427606
14	14	20	-6	-3	9.583333	152.5	68.39103	-0.3130435	0.424337
15	20	18	2	-1	9	141.0769	63.89941	-0.1111111	0.4226397
16	25	17	8	7	8.928572	135.5714	61.62088	0.784	0.4124349
17	11	22.5	-11.5	-4.5	9.1	135.35	64.48252	-0.4945055	0.4074363
18	6	18	-12	-16.5	9.28125	135.8906	72.95236	-1.777778	0.3808937
19	4	8.5	-4.5	-21	9	129.0882	75.27869	-2.333333	0.4028783
20	14	5	9	-12	9	126.4167	74.66798	-1.333333	0.4823487
21	0	9	-9	-21	9	124.0263	74.66798	-2.333333	0.4587736
22	5	7	-2	-23	8.65	118.025	72.84335	-2.65896	0.4799291
23	10	2.5	7.5	-15.5	8.595238	115.0833	72.95118	-1.803324	0.5529339
24	5	7.5	-2.5	-18	8.318182	110.1364	71.85826	-2.163934	0.5595168
25		7.5							
26		7.5							
27		7.5							
28		7.5							
29		7.5							
30		7.5							
31		7.5							
32		7.5							
33		7.5							
34		7.5							
35		7.5							
36		7.5							
CFE		-18							
MAD		8.318182							
MSE		110.1364							
MAPE		71.85826							
Trk.Signal		-2.163934							
R-square		0.5595168							
		m=2							

- Weight Moving Average**

07-14-2018 Month	Actual Data	Forecast by 2-WMA	Forecast Error	CFE	MAD	MSE	MAPE (%)	Tracking Signal	R-square
1	20								
2	18								
3	8	19	-11	-11	11	121	137.5	-1	
4	6	13	-7	-18	9	85	127.0833	-2	
5	12	7	5	-13	7.666667	65	98.61111	-1.695652	
6	21	9	12	-1	8.75	84.75	88.24405	-0.1142857	0.6346516
7	16	16.5	-0.5	-1.5	7.1	67.85	71.22024	-0.2112676	0.6837636
8	24	18.5	5.5	4	6.833333	61.58333	63.16964	0.5853658	0.5048923
9	22	20	2	6	6.142857	53.35714	55.44411	0.9767442	0.5402163
10	7	23	-16	-10	7.375	78.6875	77.08502	-1.355932	0.6290761
11	46	14.5	31.5	21.5	10.05556	180.1944	76.12872	2.138122	0.2174
12	18	26.5	-8.5	13	9.9	169.4	73.23807	1.313131	0.2752
13	22	32	-10	3	9.909091	163.0909	70.71229	0.3027523	0.427606
14	14	20	-6	-3	9.583333	152.5	68.39103	-0.3130435	0.424337
15	20	18	2	-1	9	141.0769	63.89941	-0.1111111	0.4226397
16	25	17	8	7	8.928572	135.5714	61.62088	0.784	0.4124345
17	11	22.5	-11.5	-4.5	9.1	135.35	64.48252	-0.4945055	0.4074363
18	6	18	-12	-16.5	9.28125	135.8906	72.95236	-1.777778	0.3808937
19	4	8.5	-4.5	-21	9	129.0882	75.27869	-2.333333	0.4028783
20	14	5	9	-12	9	126.4167	74.66798	-1.333333	0.4823487
21	0	9	-9	-21	9	124.0263	74.66798	-2.333333	0.4587736
22	5	7	-2	-23	8.65	118.025	72.84335	-2.65896	0.4799291
23	10	2.5	7.5	-15.5	8.595238	115.0833	72.95118	-1.803324	0.5529339
24	5	7.5	-2.5	-18	8.318182	110.1364	71.85826	-2.163934	0.5595168
25		7.5							
26		7.5							
27		7.5							
28		7.5							
29		7.5							
30		7.5							
31		7.5							
32		7.5							
33		7.5							
34		7.5							
35		7.5							
36		7.5							
CFE			-18						
MAD		8.318182							
MSE		110.1364							
MAPE		71.85826							
Trk.Signal		-2.163934							
R-square		0.5595168							
m=2									
w(1)=0.5									
w(2)=0.5									

- Winter's Multiplicative**

Multiplicative Method

Data JS Galon
Length 24

Smoothing Constants

α (level) 1
 γ (trend) 0
 δ (seasonal) 0

Accuracy Measures

MAPE 43,0089
MAD 5,1696
MSD 42,2363

JS

Time	Galon	Smooth	Predict	Error
1	20	14,5424	16,1482	3,8518
2	18	15,2363	16,4597	1,5403
3	8	15,9682	17,0535	-9,0535
4	6	8,9170	10,1267	-4,1267
5	12	4,4102	5,2994	6,7006
6	21	13,9923	15,0290	5,9710
7	16	15,5918	16,3615	-0,3615
8	24	30,6999	32,1769	-8,1769
9	22	18,9328	20,0980	1,9020
10	7	8,8809	9,3512	-2,3512
11	46	32,4656	34,6470	11,3530
12	18	18,9836	19,8839	-1,8839
13	22	32,1082	33,7141	-11,7141
14	14	16,7600	17,9833	-3,9833
15	20	12,4197	13,5050	6,4950
16	25	22,2925	23,5022	1,4978
17	11	18,3760	19,2651	-8,2651
18	6	12,8262	13,8630	-7,8630
19	4	4,4548	5,2246	-1,2246
20	14	7,6750	9,1520	4,8480
21	8	11,0441	12,2093	-4,2093
22	5	3,2294	3,6998	1,3002
23	10	23,1897	25,3711	-15,3711
24	5	4,1269	5,0271	-0,0271

Forecasts

Period	Forecast	Lower	Upper
25	10,5248	-2,1406	23,190
26	9,2413	-8,6702	27,153
27	9,2835	-14,9689	33,536
28	11,5572	-19,4664	42,581
29	9,3842	-28,6119	47,380
30	11,9789	-33,0974	57,055
31	9,6637	-42,5569	61,884
32	20,0191	-39,3867	79,425
33	16,9576	-49,6611	83,576
34	7,3157	-66,5354	81,167
35	36,1113	-44,9865	117,209
36	15,8029	-72,5525	104,158

- **Winter's Additive**
Additive Method

Data JS Galon
Length 24

Smoothing Constants

α (level) 1
 γ (trend) 0
 δ (seasonal) 0

Accuracy Measures

MAPE 59,6633
MAD 6,2105
MSD 61,6076

	JS			
Time	Galon	Smooth	Predict	Error
1	20	14,1968	15,3646	4,6354
2	18	15,4174	16,5852	1,4148
3	8	16,4174	17,5852	-9,5852
4	6	9,9174	11,0852	-5,0852
5	12	2,4174	3,5852	8,4148
6	21	14,4174	15,5852	5,4148
7	16	17,9174	19,0852	-3,0852
8	24	25,4174	26,5852	-2,5852
9	22	20,4174	21,5852	0,4148
10	7	13,4174	14,5852	-7,5852
11	46	29,4174	30,5852	15,4148
12	18	29,9174	31,0852	-13,0852
13	22	22,9087	24,0765	-2,0765
14	14	17,4174	18,5852	-4,5852
15	20	12,4174	13,5852	6,4148
16	25	21,9174	23,0852	1,9148
17	11	21,4174	22,5852	-11,5852
18	6	13,4174	14,5852	-8,5852
19	4	2,9174	4,0852	-0,0852
20	14	13,4174	14,5852	-0,5852
21	8	10,4174	11,5852	-3,5852
22	5	-0,5826	0,5852	4,4148
23	10	27,4174	28,5852	-18,5852
24	5	-6,0826	-4,9148	9,9148

Forecasts

Period	Forecast	Lower	Upper
25	11,0765	-4,1390	26,292
26	7,6618	-13,8563	29,180
27	7,2470	-21,8885	36,382
28	10,3322	-26,9381	47,602
29	7,9174	-37,7292	53,564
30	11,5026	-42,6498	65,655
31	9,5879	-53,1474	72,323
32	20,1731	-51,1941	91,540
33	17,7583	-62,2740	97,791
34	10,3435	-78,3775	99,065
35	33,9288	-63,4982	131,356
36	19,0140	-87,1318	125,160

LAMPIRAN B

SAFETY

STOCK



1. Safety Stock untuk Agen Aneka Usaha

- AirKu Cup

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times S_d$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,033} \times 797,29$$

$$\text{Safety Stock} = 239/ \text{bulan}$$

$$\text{Safety Stock} = 60/ \text{minggu}$$

- AirKu Botol

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times S_d$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,033} \times 107,48$$

$$\text{Safety Stock} = 32/ \text{bulan}$$

$$\text{Safety Stock} = 8/ \text{minggu}$$

- AirKu Galon

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times S_d$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,033} \times 4,93$$

$$\text{Safety Stock} = 1/ \text{bulan}$$

$$\text{Safety Stock} = 0/ \text{minggu}$$

2. Safety Stock untuk Agen Kantor Pos

- AirKu Cup

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times S_d$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,100} \times 131,66$$

$$\text{Safety Stock} = 68/ \text{bulan}$$

$$\text{Safety Stock} = 17/ \text{minggu}$$

- AirKu Botol

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times S_d$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,100} \times 7,07$$

$$\text{Safety Stock} = 4/ \text{bulan}$$

$$\text{Safety Stock} = 1/ \text{minggu}$$

- AirKu Galon

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times Sd$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,100} \times 3,38$$

$$\text{Safety Stock} = 2/ \text{ bulan}$$

$$\text{Safety Stock} = 0/ \text{ minggu}$$

3. Safety Stock untuk Agen Umar

- AirKu Cup

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times Sd$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,033} \times 267,26$$

$$\text{Safety Stock} = 80/ \text{ bulan}$$

$$\text{Safety Stock} = 20/ \text{ minggu}$$

- AirKu Botol

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times Sd$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,033} \times 15,75$$

$$\text{Safety Stock} = 5/ \text{ bulan}$$

$$\text{Safety Stock} = 1/ \text{ minggu}$$

- AirKu Galon

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times Sd$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,033} \times 28,16$$

$$\text{Safety Stock} = 8/ \text{ bulan}$$

$$\text{Safety Stock} = 2/ \text{ minggu}$$

4. Safety Stock untuk Agen Joko Sendang

- AirKu Cup

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times Sd$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,033} \times 482,47$$

$$\text{Safety Stock} = 145/ \text{ bulan}$$

$$\text{Safety Stock} = 36/ \text{ minggu}$$

- AirKu Botol

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times Sd$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,033} \times 38,21$$

$$\text{Safety Stock} = 11/ \text{ bulan}$$

$$\text{Safety Stock} = 3/ \text{ minggu}$$

- AirKu Galon

$$\text{Safety Stock} = Z \times \sqrt{\text{Lead Time}} \times Sd$$

$$\text{Safety Stock} = 1,645 \times \sqrt{0,033} \times 7,92$$

$$\text{Safety Stock} = 2/ \text{ bulan}$$

$$\text{Safety Stock} = 1/ \text{ minggu}$$



LAMPIRAN C

LOT SIZING



1. *Period Order Quantity (POQ)*

- Agen Aneka Usaha Jenis AirKu cup

$$EOQ = \sqrt{\frac{2 \times 401 \times 73750}{38}} = 1247,6$$

$$POQ = \frac{1247,6}{401} = 3$$

- Agen Aneka Usaha Jenis AirKu botol

$$EOQ = \sqrt{\frac{2 \times 32 \times 73750}{75}} = 251$$

$$POQ = \frac{251}{32} = 8$$

- Agen Aneka Usaha Jenis AirKu galon

$$EOQ = \sqrt{\frac{2 \times 4 \times 73750}{25}} = 153,62$$

$$POQ = \frac{153,62}{4} = 40$$

- Agen Kantor Pos Jenis AirKu cup

$$EOQ = \sqrt{\frac{2 \times 76 \times 73750}{38}} = 543,14$$

$$POQ = \frac{543,14}{76} = 7$$

- Agen Kantor Pos Jenis AirKu botol

$$EOQ = \sqrt{\frac{2 \times 4 \times 73750}{75}} = 85\ 88,69$$

$$POQ = \frac{85}{4} = 23$$

- Agen Kantor Pos Jenis AirKu galon

$$EOQ = \sqrt{\frac{2 \times 6 \times 73750}{25}} = 188,14$$

$$POQ = \frac{188,14}{6} = 32$$

- Agen Umar Jenis AirKu cup

$$EOQ = \sqrt{\frac{2 \times 333 \times 73750}{38}} = 1136,9$$

$$POQ = \frac{1136,9}{333} = 3$$

- Agen Umar Jenis AirKu botol

$$EOQ = \sqrt{\frac{2 \times 14 \times 73750}{75}} = 166$$

$$POQ = \frac{166}{14} = 12$$

- Agen Umar AirKu galon

$$EOQ = \sqrt{\frac{2 \times 25 \times 73750}{25}} = 384,06$$

$$POQ = \frac{384,06}{25} = 15$$

- Agen Joko Sendang Jenis AirKu cup

$$EOQ = \sqrt{\frac{2 \times 414 \times 73750}{38}} = 1267,66$$

$$POQ = \frac{1267,66}{414} = 3$$

- Agen Joko Sendang Jenis AirKu botol

$$EOQ = \sqrt{\frac{2 \times 20 \times 73750}{75}} = 198,72$$

$$POQ = \frac{198,72}{20} = 10$$

- Agen Joko Sendang Jenis AirKu galon

$$EOQ = \sqrt{\frac{2 \times 4 \times 73750}{25}} = 153,62$$

$$POQ = \frac{153,62}{4} = 40$$

2. Part Period Balancing (PPB)

- Agen Aneka Usaha Jenis Airku Cup

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve
1	405	0	0	0	1618	25	456	0	0	0	
2	405	1	405	405		26	456	1	456	456	
3	405	2	809	1214		27	456	2	912	1368	
4	405	3	1214	2427		28	456	3	1368	2736	1847
5	441	0	0	0	1322	29	464	0	0	0	
6	441	1	441	441		30	464	1	464	464	
7	441	2	882	1322		31	464	2	927	1391	
8	441	3	1322	2645	1766	32	464	3	1391	2781	2085
9	442	0	0	0		33	405	0	0	0	
10	442	1	442	442		34	405	1	405	405	
11	442	2	884	1325		35	405	2	811	1216	
12	442	3	1325	2651	2541	36	405	3	1216	2432	
13	700	0	0	0		37	233	0	0	0	1067
14	700	1	700	700		38	233	1	233	233	
15	700	2	1400	2099		39	233	2	467	700	
16	700	3	2099	4199	2230	40	233	3	700	1400	
17	510	0	0	0		41	67	4	267	1667	
18	510	1	510	510		42	67	5	334	2000	
19	510	2	1020	1530		43	67	0	0	0	309
20	510	3	1530	3060	2437	44	67	1	67	67	
21	642	0	0	0		45	44	2	88	154	
22	642	1	642	642		46	44	3	131	286	
23	642	2	1285	1927		47	44	4	175	461	
24	642	3	1927	3854	2010	48	44	5	219	679	

- Agen Aneka Usaha Jenis Airku botol

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulative Demand	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulative Part Period	Cumulative Demand
1	16	0	0	0	183	25	39	2	77	77	
2	16	1	16	16		26	39	3	116	193	
3	16	2	33	49		27	39	4	154	347	
4	16	3	49	98		28	39	5	193	539	
5	12	4	47	145		29	30	6	180	719	
6	12	5	59	203		30	30	7	210	929	
7	12	6	71	274		31	30	8	240	1169	289
8	12	7	82	356		32	30	0	0	0	
9	14	8	110	466		33	30	1	30	30	
10	14	9	124	590		34	30	2	60	90	
11	14	10	138	727		35	30	3	90	180	
12	14	11	151	879		36	30	4	120	300	
13	16	12	192	1071		37	109	5	546	846	
14	16	0	0	0	210	38	109	6	656	1502	520
15	16	1	16	16		39	109	0	0	0	
16	16	2	32	48		40	109	1	109	109	
17	15	3	46	94		41	29	2	58	167	
18	15	4	61	155		42	29	3	87	254	
19	15	5	76	231		43	29	4	116	370	
20	15	6	92	323		44	29	5	145	515	
21	51	7	354	676		45	25	6	152	667	
22	51	8	404	1080		46	25	7	177	844	
23	51	0	0	0	315	47	25	8	202	1046	
24	51	1	51	51		48	25	0	0	0	25

- Agen Aneka Usaha Jenis AirKu galon

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve
1	4	0	0	0	150	25	3	24	72	1170	
2	4	1	4	4		26	3	25	75	1245	
3	4	2	7	11		27	3	26	78	1323	
4	4	3	11	21		28	3	27	81	1404	
5	4	4	14	35		29	3	28	84	1488	
6	4	5	18	53		30	3	29	87	1575	
7	4	6	21	74		31	3	30	90	1665	
8	4	7	25	98		32	3	31	93	1758	
9	3	8	22	120		33	5	32	144	1902	
10	3	9	25	145		34	5	33	149	2051	
11	3	10	28	172		35	5	34	153	2204	
12	3	11	30	203		36	5	35	158	2361	
13	4	12	51	254		37	3	36	99	2460	
14	4	13	55	309		38	3	37	102	2562	
15	4	14	60	368		39	3	38	105	2666	
16	4	15	64	432		40	3	39	107	2774	
17	7	16	108	540		41	5	40	180	2954	
18	7	17	115	655		42	5	0	0	0	25
19	7	18	122	776		43	5	1	5	5	
20	7	19	128	905		44	5	2	9	14	
21	2	20	45	950		45	3	3	8	22	
22	2	21	47	997		46	3	4	11	33	
23	2	22	50	1046		47	3	5	14	47	
24	2	23	52	1098		48	3	6	17	63	

- Agen Kantor Pos Jenis AirKu cup

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve
1	55	0	0	0	480	25	63	5	315	1645	
2	55	1	55	55		26	63	6	378	2023	
3	55	2	110	165		27	63	0	0	0	613
4	55	3	165	330		28	63	1	63	63	
5	50	4	201	531		29	106	2	212	275	
6	50	5	251	782		30	106	3	318	593	
7	50	6	302	1084		31	106	4	424	1017	
8	50	7	352	1436		32	106	5	530	1547	
9	30	8	236	1672		33	63	6	378	1925	
10	30	9	266	1937		34	63	7	441	2366	606
11	30	10	295	2232	474	35	63	0	0	0	
12	30	0	0	0		36	63	1	63	63	
13	43	1	43	43		37	78	2	156	219	
14	43	2	86	129		38	78	3	234	453	
15	43	3	129	258		39	78	4	312	765	
16	43	4	172	430		40	78	5	390	1155	
17	121	5	606	1036		41	105	6	630	1785	
18	121	6	728	1764		42	105	7	735	2520	565
19	121	7	849	2613	901	43	105	0	0	0	
20	121	0	0	0		44	105	1	105	105	
21	133	1	133	133		45	63	2	125	230	
22	133	2	266	399		46	63	3	188	418	
23	133	3	399	798		47	63	4	250	668	
24	133	4	532	1330		48	63	5	313	980	

- Agen Kantor Pos Jenis AirKu botol

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulative Demand	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulative Part Period	Cumulative Demand
1	3	0	0	0	90	25	5	3	14	23	
2	3	1	3	3		26	5	4	19	42	
3	3	2	6	9		27	5	5	24	65	
4	3	3	9	18		28	5	6	29	94	
5	3	4	10	28		29	5	7	32	125	
6	3	5	13	41		30	5	8	36	161	
7	3	6	15	56		31	5	9	41	202	
8	3	7	18	73		32	5	10	45	247	
9	6	8	50	123		33	3	11	28	274	
10	6	9	56	179		34	3	12	30	304	
11	6	10	63	242		35	3	13	33	337	
12	6	11	69	311		36	3	14	35	372	
13	4	12	45	356		37	1	15	15	387	
14	4	13	49	404		38	1	16	16	403	
15	4	14	53	457		39	1	17	17	420	
16	4	15	56	513		40	1	18	18	438	
17	6	16	100	613		41	2	19	29	466	
18	6	17	106	719		42	2	20	30	496	
19	6	18	113	832		43	2	21	32	528	
20	6	19	119	951		44	2	22	33	561	
21	3	20	55	1006		45	6	23	127	687	
22	3	0	0	0	82	46	6	24	132	819	
23	3	1	3	3		47	6	25	138	957	
24	3	2	6	8		48	6	26	143	1100	6

- Agen Kantor Pos Jenis AirKu galon

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve
1	4	0	0	0	182	25	5	24	108	1684	
2	4	1	4	4		26	5	25	113	1796	
3	4	2	9	13		27	5	26	117	1913	
4	4	3	13	26		28	5	27	122	2035	
5	6	4	24	50		29	7	28	182	2217	
6	6	5	30	80		30	7	29	189	2405	
7	6	6	36	116		31	7	30	195	2600	
8	6	7	42	158		32	7	31	202	2802	
9	6	8	50	208		33	5	32	152	2954	
10	6	9	56	264		34	5	33	157	3110	92
11	6	10	63	326		35	5	0	0	0	
12	6	11	69	395		36	5	1	5	5	
13	6	12	66	461		37	7	2	13	18	
14	6	13	72	533		38	7	3	20	37	
15	6	14	77	610		39	7	4	26	63	
16	6	15	83	692		40	7	5	33	96	
17	5	16	84	776		41	6	6	38	133	
18	5	17	89	865		42	6	7	44	177	
19	5	18	95	960		43	6	8	50	227	
20	5	19	100	1060		44	6	9	56	283	
21	6	20	120	1180		45	7	10	68	351	
22	6	21	126	1306		46	7	11	74	425	
23	6	22	132	1438		47	7	12	81	506	
24	6	23	138	1576		48	7	13	88	594	

• Agen Umar Jenis AirKu cup

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve
1	168	0	0	0	983	25	424	2	849	1217	
2	168	1	168	168		26	424	3	1273	2490	
3	168	2	337	505		27	424	0	0	0	1575
4	168	3	505	1010		28	424	1	424	424	
5	310	4	1241	2251		29	363	2	726	1150	
6	310	0	0	0	1249	30	363	3	1089	2239	
7	310	1	310	310		31	363	0	0	0	1424
8	310	2	621	931		32	363	1	363	363	
9	318	3	955	1886		33	349	2	698	1061	
10	318	4	1273	3159	1756	34	349	3	1046	2107	
11	318	0	0	0		35	349	0	0	0	1457
12	318	1	318	318		36	349	1	349	349	
13	401	2	802	1120		37	380	2	760	1108	
14	401	3	1202	2322		38	380	3	1139	2248	
15	401	0	0	0	1418	39	380	0	0	0	1427
16	401	1	401	401		40	380	1	380	380	
17	308	2	617	1017		41	334	2	668	1047	
18	308	3	925	1942		42	334	3	1001	2049	
19	308	0	0	0	1354	43	334	0	0	0	1222
20	308	1	308	308		44	334	1	334	334	
21	369	2	737	1045		45	277	2	555	888	
22	369	3	1106	2151		46	277	3	832	1720	
23	369	0	0	0	1586	47	277	4	1109	2829	555
24	369	1	369	369		48	277	0	0	0	

• Agen Umar Jenis AirKu botol

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulative Demand	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulative Part Period	Cumulative Demand
1	9	0	0	0	162	25	10	12	114	997	
2	9	1	9	9		26	10	0	0	0	142
3	9	2	18	26		27	10	1	10	10	
4	9	3	26	53		28	10	2	19	29	
5	17	4	69	122		29	10	3	29	58	
6	17	5	86	208		30	10	4	39	97	
7	17	6	104	311		31	10	5	49	146	
8	17	7	121	432		32	10	6	59	204	
9	15	8	116	548		33	13	7	93	297	
10	15	9	131	679		34	13	8	106	403	
11	15	10	145	824		35	13	9	119	522	
12	15	11	160	983		36	13	10	133	655	
13	13	0	0	0	172	37	21	11	234	888	
14	13	1	13	13		38	21	12	255	1143	196
15	13	2	25	38		39	21	0	0	0	
16	13	3	38	75		40	21	1	21	21	
17	16	4	64	139		41	14	2	27	48	
18	16	5	80	219		42	14	3	41	89	
19	16	6	96	315		43	14	4	54	143	
20	16	7	112	427		44	14	5	68	210	
21	12	8	96	523		45	20	6	117	327	
22	12	9	108	631		46	20	7	137	464	
23	12	10	120	751		47	20	8	156	620	
24	12	11	132	883		48	20	9	176	795	

- Agen Umar AirKu galon

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve
1	28	0	0	0	361	25	31	6	185	515	
2	28	1	28	28		26	31	7	215	730	
3	28	2	55	83		27	31	8	246	976	
4	28	3	83	165		28	31	9	277	1253	
5	10	4	41	206		29	26	10	263	1515	
6	10	5	51	257		30	26	11	289	1804	
7	10	6	62	319		31	26	12	315	2119	
8	10	7	72	391		32	26	13	341	2460	
9	26	8	210	601		33	27	14	382	2842	
10	26	9	236	837		34	27	15	409	3250	462
11	26	10	263	1099		35	27	0	0	0	
12	26	11	289	1388		36	27	1	27	27	
13	22	12	258	1646		37	25	2	49	76	
14	22	13	280	1926		38	25	3	74	150	
15	22	14	301	2227		39	25	4	98	248	
16	22	15	323	2549		40	25	5	123	370	
17	19	16	296	2845		41	38	6	225	595	
18	19	17	315	3160	400	42	38	7	263	858	
19	19	0	0	0		43	38	8	300	1158	
20	19	1	19	19		44	38	9	338	1495	
21	22	2	45	63		45	33	10	330	1825	
22	22	3	67	130		46	33	11	363	2188	
23	22	4	89	219		47	33	12	396	2584	
24	22	5	111	330		48	33	13	429	3013	

- Agen Joko Sendang Jenis AirKu cup

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve
1	302	0	0	0	1208	25	507	0	0	0	1522
2	302	1	302	302		26	507	1	507	507	
3	302	2	604	906		27	507	2	1015	1522	
4	302	3	906	1812		28	507	3	1522	3044	2082
5	245	4	978	2790	1382	29	525	0	0	0	
6	245	0	0	0		30	525	1	525	525	
7	245	1	245	245		31	525	2	1050	1575	
8	245	2	489	734		32	525	3	1575	3150	2249
9	404	3	1213	1946		33	431	0	0	0	
10	404	0	0	0	1615	34	431	1	431	431	
11	404	1	404	404		35	431	2	862	1293	
12	404	2	809	1213		36	431	3	1293	2586	
13	402	3	1207	2420		37	367	0	0	0	1469
14	402	0	0	0	1570	38	367	1	367	367	
15	402	1	402	402		39	367	2	735	1102	
16	402	2	805	1207		40	367	3	1102	2204	
17	364	3	1091	2297		41	504	0	0	0	1513
18	364	0	0	0	1091	42	504	1	504	504	
19	364	1	364	364		43	504	2	1009	1513	
20	364	2	727	1091		44	504	3	1513	3026	1530
21	658	3	1974	3065	2632	45	257	0	0	0	
22	658	0	0	0		46	257	1	257	257	
23	658	1	658	658		47	257	2	513	770	
24	658	2	1316	1974		48	257	3	770	1539	

- Agen Joko Sendang Jenis AirKu botol

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve Demand	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part Period	Cumulati ve Demand
1	15	0	0	0	201	25	15	3	44	166	
2	15	1	15	15		26	15	4	59	225	
3	15	2	29	44		27	15	5	74	299	
4	15	3	44	87		28	15	6	89	387	
5	32	4	126	213		29	21	7	145	532	
6	32	5	158	371		30	21	8	166	698	
7	32	6	189	560		31	21	9	187	885	
8	32	7	221	780		32	21	10	208	1093	183
9	17	8	136	916		33	14	0	0	0	
10	17	9	153	1069	192	34	14	1	14	14	
11	17	0	0	0		35	14	2	27	41	
12	17	1	17	17		36	14	3	41	81	
13	11	2	22	39		37	12	4	49	130	
14	11	3	33	72		38	12	5	61	191	
15	11	4	44	116		39	12	6	74	265	
16	11	5	55	171		40	12	7	86	351	
17	14	6	84	255		41	15	8	118	469	
18	14	7	98	353		42	15	9	133	601	
19	14	8	112	465		43	15	10	148	749	
20	14	9	126	591		44	15	11	162	911	
21	41	10	405	996		45	32	12	381	1292	127
22	41	0	0	0	243	46	32	0	0	0	
23	41	1	41	41		47	32	1	32	32	
24	41	2	81	122		48	32	2	64	95	

- Agen Joko Sendang Jenis AirKu galon

Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve	Periode (Minggu)	Demand	Period Carried	Part Period	Cumulati ve Part	Cumulati ve
1	3	0	0	0	125	25	3	24	60	789	
2	3	1	3	3		26	3	25	63	852	
3	3	2	6	8		27	3	26	65	917	
4	3	3	8	17		28	3	27	68	984	
5	2	4	9	26		29	5	28	140	1124	
6	2	5	11	37		30	5	29	145	1269	
7	2	6	14	50		31	5	30	150	1419	
8	2	7	16	66		32	5	31	155	1574	
9	2	8	18	84		33	4	32	136	1710	
10	2	9	20	104		34	4	33	140	1850	
11	2	10	23	127		35	4	34	145	1995	
12	2	11	25	152		36	4	35	149	2144	
13	3	12	36	188		37	2	36	63	2207	
14	3	13	39	227		38	2	37	65	2271	
15	3	14	42	269		39	2	38	67	2338	
16	3	15	45	314		40	2	39	68	2406	
17	2	16	36	350		41	9	40	360	2766	
18	2	17	38	388		42	9	41	369	3135	43
19	2	18	41	428		43	9	0	0	0	
20	2	19	43	471		44	9	1	9	9	
21	3	20	60	531		45	4	2	8	17	
22	3	21	63	594		46	4	3	12	29	
23	3	22	66	660		47	4	4	16	45	
24	3	23	69	729		48	4	5	20	65	

3. Silver Meal (SM)

- Agen Aneka Usaha Jenis AirKu cup

Periode (Minggu)	Demand	Cumulati ve	Part Period	Inventory Cost	Cumulativ e Inv. Cost	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	405	405	0	Rp0	Rp0	Rp73.750	Rp73.750	1	1214
2	405	809	405	Rp15.371	Rp15.371	Rp89.121	Rp44.561	2	
3	405	1214	1214	Rp30.742	Rp46.113	Rp119.863	Rp39.954	3	
4	405	1618	2427	Rp46.113	Rp92.226	Rp165.976	Rp41.494	4	1727
5	441	441	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
6	441	882	441	Rp16.749	Rp16.749	Rp90.499	Rp45.249	2	
7	441	1322	1322	Rp33.497	Rp50.246	Rp123.996	Rp41.332	3	
8	441	1763	2645	Rp50.246	Rp100.491	Rp174.241	Rp43.560	4	1766
9	442	442	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
10	442	884	442	Rp16.787	Rp16.787	Rp90.537	Rp45.268	2	
11	442	1325	1325	Rp33.573	Rp50.360	Rp124.110	Rp41.370	3	
12	442	1767	2651	Rp50.360	Rp100.719	Rp174.469	Rp43.617	4	1841
13	700	700	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
14	700	1400	700	Rp26.591	Rp26.591	Rp100.341	Rp50.170	2	
15	700	2099	2099	Rp53.181	Rp79.772	Rp153.522	Rp51.174	3	2930
16	700	2799	4199	Rp79.772	Rp159.543	Rp233.293	Rp58.323	4	
17	510	510	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
18	510	1020	510	Rp19.380	Rp19.380	Rp93.130	Rp46.565	2	
19	510	1530	1530	Rp38.760	Rp58.140	Rp131.890	Rp43.963	3	
20	510	2040	3060	Rp58.140	Rp116.280	Rp190.030	Rp47.508	4	2437
21	642	642	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
22	642	1285	642	Rp24.406	Rp24.406	Rp98.156	Rp49.078	2	
23	642	1927	1927	Rp48.811	Rp73.217	Rp146.967	Rp48.989	3	
24	642	2569	3854	Rp73.217	Rp146.433	Rp220.183	Rp55.046	4	2010
25	456	456	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
26	456	912	456	Rp17.328	Rp17.328	Rp91.078	Rp45.539	2	
27	456	1368	1368	Rp34.656	Rp51.984	Rp125.734	Rp41.911	3	
28	456	1824	2736	Rp51.984	Rp103.968	Rp177.718	Rp44.430	4	1847
29	464	464	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
30	464	927	464	Rp17.613	Rp17.613	Rp91.363	Rp45.682	2	
31	464	1391	1391	Rp35.226	Rp52.839	Rp126.589	Rp42.196	3	
32	464	1854	2781	Rp52.839	Rp105.678	Rp179.428	Rp44.857	4	1679
33	405	405	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
34	405	811	405	Rp15.400	Rp15.400	Rp89.150	Rp44.575	2	
35	405	1216	1216	Rp30.799	Rp46.199	Rp119.949	Rp39.983	3	
36	405	1621	2432	Rp46.199	Rp92.397	Rp166.147	Rp41.537	4	1472
37	233	233	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
38	233	467	233	Rp8.864	Rp8.864	Rp82.614	Rp41.307	2	
39	233	700	700	Rp17.727	Rp26.591	Rp100.341	Rp33.447	3	
40	233	933	1400	Rp26.591	Rp53.181	Rp126.931	Rp31.733	4	
41	67	1000	1667	Rp35.454	Rp63.327	Rp137.077	Rp27.415	5	
42	67	1067	2000	Rp37.991	Rp76.010	Rp149.760	Rp24.960	6	
43	67	67	0	Rp0	Rp0	Rp73.750	Rp73.750	1	309
44	67	134	67	Rp2.537	Rp2.537	Rp76.287	Rp38.143	2	
45	44	177	154	Rp5.073	Rp5.862	Rp79.612	Rp26.537	3	
46	44	221	286	Rp6.736	Rp10.849	Rp84.599	Rp21.150	4	
47	44	265	461	Rp8.398	Rp17.499	Rp91.249	Rp18.250	5	
48	44	309	679	Rp10.061	Rp25.812	Rp99.562	Rp16.594	6	

- Agen Aneka Usaha Jenis AirKu botol

Periode (Minggu)	Demand	Cumulati ve	Part Period	Inventory Cost	Cumulativ e Inv. Cost	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	16	16	0	Rp0	Rp0	Rp73.750	Rp73.750	1	153
2	16	33	16	Rp1.219	Rp1.219	Rp74.969	Rp37.484	2	
3	16	49	49	Rp2.438	Rp3.656	Rp77.406	Rp25.802	3	
4	16	65	98	Rp3.656	Rp7.313	Rp81.063	Rp20.266	4	
5	12	77	156	Rp4.875	Rp11.719	Rp85.469	Rp17.094	5	
6	12	89	227	Rp5.756	Rp17.006	Rp90.756	Rp15.126	6	
7	12	100	309	Rp6.638	Rp23.175	Rp96.925	Rp13.846	7	
8	12	112	403	Rp7.519	Rp30.225	Rp103.975	Rp12.997	8	
9	14	126	527	Rp8.400	Rp39.506	Rp113.256	Rp12.584	9	
10	14	140	664	Rp9.431	Rp49.819	Rp123.569	Rp12.357	10	
11	14	153	816	Rp10.463	Rp61.163	Rp134.913	Rp12.265	11	
12	14	167	981	Rp11.494	Rp73.538	Rp147.288	Rp12.274	12	139
13	16	183	1189	Rp12.525	Rp89.138	Rp162.888	Rp12.530	13	
14	16	16	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
15	16	32	16	Rp1.200	Rp1.200	Rp74.950	Rp37.475	2	
16	16	48	48	Rp2.400	Rp3.600	Rp77.350	Rp25.783	3	
17	15	63	94	Rp3.600	Rp7.031	Rp80.781	Rp20.195	4	
18	15	79	155	Rp4.744	Rp11.606	Rp85.356	Rp17.071	5	
19	15	94	231	Rp5.888	Rp17.325	Rp91.075	Rp15.179	6	
20	15	109	323	Rp7.031	Rp24.188	Rp97.938	Rp13.991	7	
21	51	160	676	Rp8.175	Rp50.700	Rp124.450	Rp15.556	8	416
22	51	210	1080	Rp11.963	Rp81.000	Rp154.750	Rp17.194	9	
23	51	51	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
24	51	101	51	Rp3.788	Rp3.788	Rp77.538	Rp38.769	2	
25	39	140	77	Rp7.575	Rp5.775	Rp79.525	Rp26.508	3	
26	39	178	193	Rp10.463	Rp14.438	Rp88.188	Rp22.047	4	
27	39	217	347	Rp13.350	Rp25.988	Rp99.738	Rp19.948	5	
28	39	255	539	Rp16.238	Rp40.425	Rp114.175	Rp19.029	6	
29	30	285	719	Rp19.125	Rp53.925	Rp127.675	Rp18.239	7	
30	30	315	929	Rp21.375	Rp69.675	Rp143.425	Rp17.928	8	
31	30	345	1169	Rp23.625	Rp87.675	Rp161.425	Rp17.936	9	180
32	30	30	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
33	30	60	30	Rp2.250	Rp2.250	Rp76.000	Rp38.000	2	
34	30	90	90	Rp4.500	Rp6.750	Rp80.500	Rp26.833	3	
35	30	120	180	Rp6.750	Rp13.500	Rp87.250	Rp21.813	4	
36	30	150	300	Rp9.000	Rp22.500	Rp96.250	Rp19.250	5	
37	109	259	846	Rp11.250	Rp63.469	Rp137.219	Rp22.870	6	629
38	109	369	1502	Rp19.444	Rp112.631	Rp186.381	Rp26.626	7	
39	109	109	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
40	109	219	109	Rp8.194	Rp8.194	Rp81.944	Rp40.972	2	
41	29	248	167	Rp16.388	Rp12.544	Rp86.294	Rp28.765	3	
42	29	277	254	Rp18.563	Rp19.069	Rp92.819	Rp23.205	4	
43	29	306	370	Rp20.738	Rp27.769	Rp101.519	Rp20.304	5	
44	29	335	515	Rp22.913	Rp38.644	Rp112.394	Rp18.732	6	
45	25	360	667	Rp25.088	Rp50.006	Rp123.756	Rp17.679	7	
46	25	385	844	Rp26.981	Rp63.263	Rp137.013	Rp17.127	8	
47	25	410	1046	Rp28.875	Rp78.413	Rp152.163	Rp16.907	9	
48	25	0	0	Rp0	Rp0	Rp73.750	Rp73.750	1	25

- Agen Aneka Usaha Jenis AirKu galon

Periode (Minggu)	Demand	Cumulatif	Part Period	Inventory Cost	Cumulatif Inv.	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	4	4	0	Rp0	Rp0	Rp73.750	Rp73.750	1	145
2	4	7	4	Rp88	Rp88	Rp73.838	Rp36.919	2	
3	4	11	11	Rp175	Rp263	Rp74.013	Rp24.671	3	
4	4	14	21	Rp263	Rp525	Rp74.275	Rp18.569	4	
5	4	18	35	Rp350	Rp875	Rp74.625	Rp14.925	5	
6	4	21	53	Rp438	Rp1.313	Rp75.063	Rp12.510	6	
7	4	25	74	Rp525	Rp1.838	Rp75.588	Rp10.798	7	
8	4	28	98	Rp613	Rp2.450	Rp76.200	Rp9.525	8	
9	3	31	120	Rp700	Rp3.000	Rp76.750	Rp8.528	9	
10	3	34	145	Rp769	Rp3.619	Rp77.369	Rp7.737	10	
11	3	36	172	Rp838	Rp4.306	Rp78.056	Rp7.096	11	
12	3	39	203	Rp906	Rp5.063	Rp78.813	Rp6.568	12	
13	4	43	254	Rp975	Rp6.338	Rp80.088	Rp6.161	13	
14	4	48	309	Rp1.081	Rp7.719	Rp81.469	Rp5.819	14	
15	4	52	368	Rp1.188	Rp9.206	Rp82.956	Rp5.530	15	
16	4	56	432	Rp1.294	Rp10.800	Rp84.550	Rp5.284	16	
17	7	63	540	Rp1.400	Rp13.500	Rp87.250	Rp5.132	17	
18	7	70	655	Rp1.569	Rp16.369	Rp90.119	Rp5.007	18	
19	7	76	776	Rp1.738	Rp19.406	Rp93.156	Rp4.903	19	
20	7	83	905	Rp1.906	Rp22.613	Rp96.363	Rp4.818	20	
21	2	85	950	Rp2.075	Rp23.738	Rp97.488	Rp4.642	21	
22	2	88	997	Rp2.131	Rp24.919	Rp98.669	Rp4.485	22	
23	2	90	1046	Rp2.188	Rp26.156	Rp99.906	Rp4.344	23	
24	2	92	1098	Rp2.244	Rp27.450	Rp101.200	Rp4.217	24	
25	3	95	1170	Rp2.300	Rp29.250	Rp103.000	Rp4.120	25	
26	3	98	1245	Rp2.375	Rp31.125	Rp104.875	Rp4.034	26	
27	3	101	1323	Rp2.450	Rp33.075	Rp106.825	Rp3.956	27	
28	3	104	1404	Rp2.525	Rp35.100	Rp108.850	Rp3.888	28	
29	3	107	1488	Rp2.600	Rp37.200	Rp110.950	Rp3.826	29	
30	3	110	1575	Rp2.675	Rp39.375	Rp113.125	Rp3.771	30	
31	3	113	1665	Rp2.750	Rp41.625	Rp115.375	Rp3.722	31	
32	3	116	1758	Rp2.825	Rp43.950	Rp117.700	Rp3.678	32	
33	5	121	1902	Rp2.900	Rp47.550	Rp121.300	Rp3.676	33	
34	5	125	2051	Rp3.013	Rp51.263	Rp125.013	Rp3.677	34	
35	5	130	2204	Rp3.125	Rp55.088	Rp128.838	Rp3.681	35	
36	5	134	2361	Rp3.238	Rp59.025	Rp132.775	Rp3.688	36	
37	3	137	2460	Rp3.350	Rp61.500	Rp135.250	Rp3.655	37	
38	3	140	2562	Rp3.419	Rp64.044	Rp137.794	Rp3.626	38	
39	3	142	2666	Rp3.488	Rp66.656	Rp140.406	Rp3.600	39	
40	3	145	2774	Rp3.556	Rp69.338	Rp143.088	Rp3.577	40	
41	5	150	2954	Rp3.625	Rp73.838	Rp147.588	Rp3.600	41	29
42	5	5	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
43	5	9	5	Rp113	Rp113	Rp73.863	Rp36.931	2	
44	5	14	14	Rp225	Rp338	Rp74.088	Rp24.696	3	
45	3	16	22	Rp338	Rp544	Rp74.294	Rp18.573	4	
46	3	19	33	Rp406	Rp819	Rp74.569	Rp14.914	5	
47	3	22	47	Rp475	Rp1.163	Rp74.913	Rp12.485	6	
48	3	25	63	Rp544	Rp1.575	Rp75.325	Rp10.761	7	

- Agen Kantor Pos Jenis AirKu cup

Periode (Minggu)	Demand	Period Carried	Part Period	Inventory Cost	Cumulative Inv. Cost	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	55	55	0	Rp0	Rp0	Rp73.750	Rp73.750	1	510
2	55	110	55	Rp2.090	Rp2.090	Rp75.840	Rp37.920	2	
3	55	165	165	Rp4.180	Rp6.270	Rp80.020	Rp26.673	3	
4	55	220	330	Rp6.270	Rp12.540	Rp86.290	Rp21.573	4	
5	50	270	531	Rp8.360	Rp20.178	Rp93.928	Rp18.786	5	
6	50	321	782	Rp10.270	Rp29.726	Rp103.476	Rp17.246	6	
7	50	371	1084	Rp12.179	Rp41.183	Rp114.933	Rp16.419	7	
8	50	421	1436	Rp14.089	Rp54.549	Rp128.299	Rp16.037	8	
9	30	451	1672	Rp15.998	Rp63.517	Rp137.267	Rp15.252	9	
10	30	480	1937	Rp17.119	Rp73.606	Rp147.356	Rp14.736	10	
11	30	510	2232	Rp18.240	Rp84.816	Rp158.566	Rp14.415	11	
12	30	30	0	Rp0	Rp0	Rp73.750	Rp73.750	1	202
13	43	73	43	Rp1.121	Rp1.634	Rp75.384	Rp37.692	2	
14	43	116	129	Rp2.755	Rp4.902	Rp78.652	Rp26.217	3	
15	43	159	258	Rp4.389	Rp9.804	Rp83.554	Rp20.889	4	
16	43	202	430	Rp6.023	Rp16.340	Rp90.090	Rp18.018	5	
17	121	323	1036	Rp7.657	Rp39.378	Rp113.128	Rp18.855	6	1143
18	121	444	1764	Rp12.265	Rp67.023	Rp140.773	Rp20.110	7	
19	121	565	2613	Rp16.872	Rp99.275	Rp173.025	Rp21.628	8	
20	121	121	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
21	133	254	133	Rp4.608	Rp5.054	Rp78.804	Rp39.402	2	
22	133	387	399	Rp9.662	Rp15.162	Rp88.912	Rp29.637	3	
23	133	520	798	Rp14.716	Rp30.324	Rp104.074	Rp26.019	4	
24	133	653	1330	Rp19.770	Rp50.540	Rp124.290	Rp24.858	5	
25	63	716	1645	Rp24.824	Rp62.510	Rp136.260	Rp22.710	6	
26	63	779	2023	Rp27.218	Rp76.874	Rp150.624	Rp21.518	7	
27	63	63	0	Rp0	Rp0	Rp73.750	Rp73.750	1	676
28	63	126	63	Rp2.394	Rp2.394	Rp76.144	Rp38.072	2	
29	106	232	275	Rp4.788	Rp10.450	Rp84.200	Rp28.067	3	
30	106	338	593	Rp8.816	Rp22.534	Rp96.284	Rp24.071	4	
31	106	444	1017	Rp12.844	Rp38.646	Rp112.396	Rp22.479	5	
32	106	550	1547	Rp16.872	Rp58.786	Rp132.536	Rp22.089	6	
33	63	613	1925	Rp20.900	Rp73.150	Rp146.900	Rp20.986	7	
34	63	676	2366	Rp23.294	Rp89.908	Rp163.658	Rp20.457	8	
35	63	63	0	Rp0	Rp0	Rp73.750	Rp73.750	1	438
36	63	126	63	Rp2.394	Rp2.394	Rp76.144	Rp38.072	2	
37	78	204	219	Rp4.788	Rp8.322	Rp82.072	Rp27.357	3	
38	78	282	453	Rp7.752	Rp17.214	Rp90.964	Rp22.741	4	
39	78	360	765	Rp10.716	Rp29.070	Rp102.820	Rp20.564	5	
40	78	438	1155	Rp13.680	Rp43.890	Rp117.640	Rp19.607	6	
41	105	543	1785	Rp16.644	Rp67.830	Rp141.580	Rp20.226	7	670
42	105	648	2520	Rp20.634	Rp95.760	Rp169.510	Rp21.189	8	
43	105	105	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
44	105	210	105	Rp3.990	Rp3.990	Rp77.740	Rp38.870	2	
45	63	273	230	Rp7.980	Rp8.740	Rp82.490	Rp27.497	3	
46	63	335	418	Rp10.355	Rp15.865	Rp89.615	Rp22.404	4	
47	63	398	668	Rp12.730	Rp25.365	Rp99.115	Rp19.823	5	
48	63	460	980	Rp15.105	Rp37.240	Rp110.990	Rp18.498	6	

- Agen Kantor Pos Jenis AirKu botol

Periode (Minggu)	Demand	Cumulati ve	Part Period	Inventory Cost	Cumulativ e Inv. Cost	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	3	3	0	Rp0	Rp0	Rp73.750	Rp73.750	1	62
2	3	6	3	Rp225	Rp225	Rp73.975	Rp36.988	2	
3	3	9	9	Rp450	Rp675	Rp74.425	Rp24.808	3	
4	3	12	18	Rp675	Rp1.350	Rp75.100	Rp18.775	4	
5	3	15	28	Rp900	Rp2.100	Rp75.850	Rp15.170	5	
6	3	17	41	Rp1.088	Rp3.038	Rp76.788	Rp12.798	6	
7	3	20	56	Rp1.275	Rp4.163	Rp77.913	Rp11.130	7	
8	3	22	73	Rp1.463	Rp5.475	Rp79.225	Rp9.903	8	
9	6	28	123	Rp1.650	Rp9.225	Rp82.975	Rp9.219	9	
10	6	35	179	Rp2.119	Rp13.444	Rp87.194	Rp8.719	10	
11	6	41	242	Rp2.588	Rp18.131	Rp91.881	Rp8.353	11	
12	6	47	311	Rp3.056	Rp23.288	Rp97.038	Rp8.086	12	
13	4	51	356	Rp3.525	Rp26.663	Rp100.413	Rp7.724	13	
14	4	55	404	Rp3.806	Rp30.319	Rp104.069	Rp7.433	14	
15	4	58	457	Rp4.088	Rp34.256	Rp108.006	Rp7.200	15	
16	4	62	513	Rp4.369	Rp38.475	Rp112.225	Rp7.014	16	
17	6	68	613	Rp4.650	Rp45.975	Rp119.725	Rp7.043	17	93
18	6	75	719	Rp5.119	Rp53.944	Rp127.694	Rp7.094	18	
19	6	81	832	Rp5.588	Rp62.381	Rp136.131	Rp7.165	19	
20	6	87	951	Rp6.056	Rp71.288	Rp145.038	Rp7.252	20	
21	3	90	1006	Rp6.525	Rp75.413	Rp149.163	Rp7.103	21	
22	3	3	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
23	3	6	3	Rp206	Rp206	Rp73.956	Rp36.978	2	
24	3	8	8	Rp413	Rp619	Rp74.369	Rp24.790	3	
25	5	13	23	Rp619	Rp1.688	Rp75.438	Rp18.859	4	
26	5	18	42	Rp975	Rp3.113	Rp76.863	Rp15.373	5	
27	5	23	65	Rp1.331	Rp4.894	Rp78.644	Rp13.107	6	
28	5	27	94	Rp1.688	Rp7.031	Rp80.781	Rp11.540	7	
29	5	32	125	Rp2.044	Rp9.394	Rp83.144	Rp10.393	8	
30	5	36	161	Rp2.381	Rp12.094	Rp85.844	Rp9.538	9	
31	5	41	202	Rp2.719	Rp15.131	Rp88.881	Rp8.888	10	
32	5	45	247	Rp3.056	Rp18.506	Rp92.256	Rp8.387	11	
33	3	48	274	Rp3.394	Rp20.569	Rp94.319	Rp7.860	12	
34	3	50	304	Rp3.581	Rp22.819	Rp96.569	Rp7.428	13	
35	3	53	337	Rp3.769	Rp25.256	Rp99.006	Rp7.072	14	
36	3	55	372	Rp3.956	Rp27.881	Rp101.631	Rp6.775	15	
37	1	56	387	Rp4.144	Rp29.006	Rp102.756	Rp6.422	16	
38	1	57	403	Rp4.219	Rp30.206	Rp103.956	Rp6.115	17	
39	1	58	420	Rp4.294	Rp31.481	Rp105.231	Rp5.846	18	
40	1	59	438	Rp4.369	Rp32.831	Rp106.581	Rp5.610	19	
41	2	61	466	Rp4.444	Rp34.969	Rp108.719	Rp5.436	20	
42	2	62	496	Rp4.556	Rp37.219	Rp110.969	Rp5.284	21	
43	2	64	528	Rp4.669	Rp39.581	Rp113.331	Rp5.151	22	
44	2	65	561	Rp4.781	Rp42.056	Rp115.806	Rp5.035	23	
45	6	71	687	Rp4.894	Rp51.544	Rp125.294	Rp5.221	24	22
46	6	76	819	Rp5.306	Rp61.444	Rp135.194	Rp5.408	25	
47	6	82	957	Rp5.719	Rp71.756	Rp145.506	Rp5.596	26	
48	6	87	1100	Rp6.131	Rp82.481	Rp156.231	Rp5.786	27	

- Agen Kantor Pos Jenis AirKu galon

Periode (Minggu)	Demand	Cumulati ve	Part Period	Inventory Cost	Cumulati ve Inv.	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	4	4	0	Rp0	Rp0	Rp73.750	Rp73.750	1	151
2	4	9	4	Rp106	Rp106	Rp73.856	Rp36.928	2	
3	4	13	13	Rp213	Rp319	Rp74.069	Rp24.690	3	
4	4	17	26	Rp319	Rp638	Rp74.388	Rp18.597	4	
5	6	23	50	Rp425	Rp1.238	Rp74.988	Rp14.998	5	
6	6	29	80	Rp575	Rp1.988	Rp75.738	Rp12.623	6	
7	6	35	116	Rp725	Rp2.888	Rp76.638	Rp10.948	7	
8	6	41	158	Rp875	Rp3.938	Rp77.688	Rp9.711	8	
9	6	47	208	Rp1.025	Rp5.188	Rp78.938	Rp8.771	9	
10	6	54	264	Rp1.181	Rp6.594	Rp80.344	Rp8.034	10	
11	6	60	326	Rp1.338	Rp8.156	Rp81.906	Rp7.446	11	
12	6	66	395	Rp1.494	Rp9.875	Rp83.625	Rp6.969	12	
13	6	72	461	Rp1.650	Rp11.525	Rp85.275	Rp6.560	13	
14	6	77	533	Rp1.788	Rp13.313	Rp87.063	Rp6.219	14	
15	6	83	610	Rp1.925	Rp15.238	Rp88.988	Rp5.933	15	
16	6	88	692	Rp2.063	Rp17.300	Rp91.050	Rp5.691	16	
17	5	93	776	Rp2.200	Rp19.400	Rp93.150	Rp5.479	17	
18	5	99	865	Rp2.331	Rp21.631	Rp95.381	Rp5.299	18	
19	5	104	960	Rp2.463	Rp23.994	Rp97.744	Rp5.144	19	
20	5	109	1060	Rp2.594	Rp26.488	Rp100.238	Rp5.012	20	
21	6	115	1180	Rp2.725	Rp29.488	Rp103.238	Rp4.916	21	
22	6	121	1306	Rp2.875	Rp32.638	Rp106.388	Rp4.836	22	
23	6	127	1438	Rp3.025	Rp35.938	Rp109.688	Rp4.769	23	
24	6	133	1576	Rp3.175	Rp39.388	Rp113.138	Rp4.714	24	
25	5	138	1684	Rp3.325	Rp42.088	Rp115.838	Rp4.634	25	
26	5	142	1796	Rp3.438	Rp44.900	Rp118.650	Rp4.563	26	
27	5	147	1913	Rp3.550	Rp47.825	Rp121.575	Rp4.503	27	
28	5	151	2035	Rp3.663	Rp50.863	Rp124.613	Rp4.450	28	
29	7	158	2217	Rp3.775	Rp55.413	Rp129.163	Rp4.454	29	123
30	7	164	2405	Rp3.938	Rp60.125	Rp133.875	Rp4.463	30	
31	7	171	2600	Rp4.100	Rp65.000	Rp138.750	Rp4.476	31	
32	7	177	2802	Rp4.263	Rp70.038	Rp143.788	Rp4.493	32	
33	5	182	2954	Rp4.425	Rp73.838	Rp147.588	Rp4.472	33	
34	5	187	3110	Rp4.544	Rp77.756	Rp151.506	Rp4.456	34	
35	5	5	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
36	5	10	5	Rp119	Rp119	Rp73.869	Rp36.934	2	
37	7	16	18	Rp238	Rp444	Rp74.194	Rp24.731	3	
38	7	23	37	Rp400	Rp931	Rp74.681	Rp18.670	4	
39	7	29	63	Rp563	Rp1.581	Rp75.331	Rp15.066	5	
40	7	36	96	Rp725	Rp2.394	Rp76.144	Rp12.691	6	
41	6	42	133	Rp888	Rp3.331	Rp77.081	Rp11.012	7	
42	6	48	177	Rp1.044	Rp4.425	Rp78.175	Rp9.772	8	
43	6	54	227	Rp1.200	Rp5.675	Rp79.425	Rp8.825	9	
44	6	61	283	Rp1.356	Rp7.081	Rp80.831	Rp8.083	10	
45	7	67	351	Rp1.513	Rp8.769	Rp82.519	Rp7.502	11	
46	7	74	425	Rp1.681	Rp10.625	Rp84.375	Rp7.031	12	
47	7	81	506	Rp1.850	Rp12.650	Rp86.400	Rp6.646	13	
48	7	88	594	Rp2.019	Rp14.844	Rp88.594	Rp6.328	14	

- Agen Umar Jenis AirKu cup

Periode (Minggu)	Demand	Period Carried	Part Period	Inventory Cost	Cumulative Inv. Cost	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	168	168	0	Rp0	Rp0	Rp73.750	Rp73.750	1	673
2	168	337	168	Rp6.394	Rp6.394	Rp80.144	Rp40.072	2	
3	168	505	505	Rp12.787	Rp19.181	Rp92.931	Rp30.977	3	
4	168	673	1010	Rp19.181	Rp38.361	Rp112.111	Rp28.028	4	
5	310	983	2251	Rp25.574	Rp85.519	Rp159.269	Rp31.854	5	1559
6	310	310	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
7	310	621	310	Rp11.790	Rp11.790	Rp85.540	Rp42.770	2	
8	310	931	931	Rp23.579	Rp35.369	Rp109.119	Rp36.373	3	
9	318	1249	1886	Rp35.369	Rp71.649	Rp145.399	Rp36.350	4	
10	318	1567	3159	Rp47.462	Rp120.023	Rp193.773	Rp38.755	5	1356
11	318	318	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
12	318	637	318	Rp12.094	Rp12.094	Rp85.844	Rp42.922	2	
13	401	1037	1120	Rp24.187	Rp42.551	Rp116.301	Rp38.767	3	
14	401	1438	2322	Rp39.416	Rp88.236	Rp161.986	Rp40.497	4	1819
15	401	401	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
16	401	802	401	Rp15.229	Rp15.229	Rp88.979	Rp44.489	2	
17	308	1110	1017	Rp30.457	Rp38.656	Rp112.406	Rp37.469	3	
18	308	1418	1942	Rp42.171	Rp73.796	Rp147.546	Rp36.887	4	
19	308	308	0	Rp0	Rp0	Rp73.750	Rp73.750	1	985
20	308	617	308	Rp11.714	Rp11.714	Rp85.464	Rp42.732	2	
21	369	985	1045	Rp23.427	Rp39.720	Rp113.470	Rp37.823	3	
22	369	1354	2151	Rp37.430	Rp81.729	Rp155.479	Rp38.870	4	1530
23	369	369	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
24	369	737	369	Rp14.003	Rp14.003	Rp87.753	Rp43.877	2	
25	424	1161	1217	Rp28.006	Rp46.246	Rp119.996	Rp39.999	3	
26	424	1586	2490	Rp44.128	Rp94.611	Rp168.361	Rp42.090	4	1636
27	424	424	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
28	424	849	424	Rp16.122	Rp16.122	Rp89.872	Rp44.936	2	
29	363	1212	1150	Rp32.243	Rp43.710	Rp117.460	Rp39.153	3	
30	363	1575	2239	Rp46.037	Rp85.092	Rp158.842	Rp39.710	4	1438
31	363	363	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
32	363	726	363	Rp13.794	Rp13.794	Rp87.544	Rp43.772	2	
33	349	1075	1061	Rp27.588	Rp40.299	Rp114.049	Rp38.016	3	
34	349	1424	2107	Rp40.841	Rp80.057	Rp153.807	Rp38.452	4	1426
35	349	349	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
36	349	698	349	Rp13.253	Rp13.253	Rp87.003	Rp43.501	2	
37	380	1077	1108	Rp26.505	Rp42.114	Rp115.864	Rp38.621	3	
38	380	1457	2248	Rp40.936	Rp85.405	Rp159.155	Rp39.789	4	1473
39	380	380	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
40	380	760	380	Rp14.431	Rp14.431	Rp88.181	Rp44.090	2	
41	334	1093	1047	Rp28.861	Rp39.796	Rp113.546	Rp37.849	3	
42	334	1427	2049	Rp41.544	Rp77.843	Rp151.593	Rp37.898	4	1556
43	334	334	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
44	334	668	334	Rp12.683	Rp12.683	Rp86.433	Rp43.216	2	
45	277	945	888	Rp25.365	Rp33.754	Rp107.504	Rp35.835	3	
46	277	1222	1720	Rp35.901	Rp65.360	Rp139.110	Rp34.778	4	
47	277	1499	2829	Rp46.436	Rp107.502	Rp181.252	Rp36.250	5	555
48	277	0	0	Rp0	Rp0	Rp73.750	Rp73.750	1	

- Agen Umar Jenis AirKu botol

Periode (Minggu)	Demand	Cumulat ive	Part Period	Inventory Cost	Cumulativ e Inv. Cost	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	9	9	0	Rp0	Rp0	Rp73.750	Rp73.750	1	162
2	9	18	9	Rp656	Rp656	Rp74.406	Rp37.203	2	
3	9	26	26	Rp1.313	Rp1.969	Rp75.719	Rp25.240	3	
4	9	35	53	Rp1.969	Rp3.938	Rp77.688	Rp19.422	4	
5	17	52	122	Rp2.625	Rp9.113	Rp82.863	Rp16.573	5	
6	17	70	208	Rp3.919	Rp15.581	Rp89.331	Rp14.889	6	
7	17	87	311	Rp5.213	Rp23.344	Rp97.094	Rp13.871	7	
8	17	104	432	Rp6.506	Rp32.400	Rp106.150	Rp13.269	8	
9	15	119	548	Rp7.800	Rp41.100	Rp114.850	Rp12.761	9	
10	15	133	679	Rp8.888	Rp50.888	Rp124.638	Rp12.464	10	
11	15	148	824	Rp9.975	Rp61.763	Rp135.513	Rp12.319	11	
12	15	162	983	Rp11.063	Rp73.725	Rp147.475	Rp12.290	12	
13	13	13	0	Rp0	Rp0	Rp73.750	Rp73.750	1	172
14	13	25	13	Rp938	Rp938	Rp74.688	Rp37.344	2	
15	13	38	38	Rp1.875	Rp2.813	Rp76.563	Rp25.521	3	
16	13	50	75	Rp2.813	Rp5.625	Rp79.375	Rp19.844	4	
17	16	66	139	Rp3.750	Rp10.425	Rp84.175	Rp16.835	5	
18	16	82	219	Rp4.950	Rp16.425	Rp90.175	Rp15.029	6	
19	16	98	315	Rp6.150	Rp23.625	Rp97.375	Rp13.911	7	
20	16	114	427	Rp7.350	Rp32.025	Rp105.775	Rp13.222	8	
21	12	126	523	Rp8.550	Rp39.225	Rp112.975	Rp12.553	9	
22	12	138	631	Rp9.450	Rp47.325	Rp121.075	Rp12.108	10	
23	12	150	751	Rp10.350	Rp56.325	Rp130.075	Rp11.825	11	
24	12	162	883	Rp11.250	Rp66.225	Rp139.975	Rp11.665	12	
25	10	172	997	Rp12.150	Rp74.775	Rp148.525	Rp11.425	13	
26	10	10	0	Rp0	Rp0	Rp73.750	Rp73.750	1	121
27	10	19	10	Rp713	Rp713	Rp74.463	Rp37.231	2	
28	10	29	29	Rp1.425	Rp2.138	Rp75.888	Rp25.296	3	
29	10	38	58	Rp2.138	Rp4.331	Rp78.081	Rp19.520	4	
30	10	48	97	Rp2.869	Rp7.256	Rp81.006	Rp16.201	5	
31	10	58	146	Rp3.600	Rp10.913	Rp84.663	Rp14.110	6	
32	10	68	204	Rp4.331	Rp15.300	Rp89.050	Rp12.721	7	
33	13	81	297	Rp5.063	Rp22.256	Rp96.006	Rp12.001	8	
34	13	94	403	Rp6.056	Rp30.206	Rp103.956	Rp11.551	9	
35	13	107	522	Rp7.050	Rp39.150	Rp112.900	Rp11.290	10	
36	13	121	655	Rp8.044	Rp49.088	Rp122.838	Rp11.167	11	
37	21	142	888	Rp9.038	Rp66.619	Rp140.369	Rp11.697	12	217
38	21	163	1143	Rp10.631	Rp85.744	Rp159.494	Rp12.269	13	
39	21	21	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
40	21	43	21	Rp1.594	Rp1.594	Rp75.344	Rp37.672	2	
41	14	56	48	Rp3.188	Rp3.619	Rp77.369	Rp25.790	3	
42	14	70	89	Rp4.200	Rp6.656	Rp80.406	Rp20.102	4	
43	14	83	143	Rp5.213	Rp10.706	Rp84.456	Rp16.891	5	
44	14	97	210	Rp6.225	Rp15.769	Rp89.519	Rp14.920	6	
45	20	116	327	Rp7.238	Rp24.544	Rp98.294	Rp14.042	7	
46	20	136	464	Rp8.700	Rp34.781	Rp108.531	Rp13.566	8	
47	20	155	620	Rp10.163	Rp46.481	Rp120.231	Rp13.359	9	
48	20	175	795	Rp11.625	Rp59.644	Rp133.394	Rp13.339	10	

- Agen Umar AirKu galon

Periode (Minggu)	Demand	Cumulatve	Part Period	Inventory Cost	Cumulatve Inv.	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	28	28	0	Rp0	Rp0	Rp73.750	Rp73.750	1	379
2	28	55	28	Rp688	Rp688	Rp74.438	Rp37.219	2	
3	28	83	83	Rp1.375	Rp2.063	Rp75.813	Rp25.271	3	
4	28	110	165	Rp2.063	Rp4.125	Rp77.875	Rp19.469	4	
5	10	120	206	Rp2.750	Rp5.150	Rp78.900	Rp15.780	5	
6	10	131	257	Rp3.006	Rp6.431	Rp80.181	Rp13.364	6	
7	10	141	319	Rp3.263	Rp7.969	Rp81.719	Rp11.674	7	
8	10	151	391	Rp3.519	Rp9.763	Rp83.513	Rp10.439	8	
9	26	177	601	Rp3.775	Rp15.013	Rp88.763	Rp9.863	9	
10	26	204	837	Rp4.431	Rp20.919	Rp94.669	Rp9.467	10	
11	26	230	1099	Rp5.088	Rp27.481	Rp101.231	Rp9.203	11	
12	26	256	1388	Rp5.744	Rp34.700	Rp108.450	Rp9.038	12	
13	22	278	1646	Rp6.400	Rp41.150	Rp114.900	Rp8.838	13	
14	22	299	1926	Rp6.938	Rp48.138	Rp121.888	Rp8.706	14	
15	22	321	2227	Rp7.475	Rp55.663	Rp129.413	Rp8.628	15	
16	22	342	2549	Rp8.013	Rp63.725	Rp137.475	Rp8.592	16	
17	19	361	2845	Rp8.550	Rp71.125	Rp144.875	Rp8.522	17	
18	19	379	3160	Rp9.013	Rp78.988	Rp152.738	Rp8.485	18	
19	19	19	0	Rp0	Rp0	Rp73.750	Rp73.750	1	381
20	19	37	19	Rp463	Rp463	Rp74.213	Rp37.106	2	
21	22	59	63	Rp925	Rp1.575	Rp75.325	Rp25.108	3	
22	22	82	130	Rp1.481	Rp3.244	Rp76.994	Rp19.248	4	
23	22	104	219	Rp2.038	Rp5.469	Rp79.219	Rp15.844	5	
24	22	126	330	Rp2.594	Rp8.250	Rp82.000	Rp13.667	6	
25	31	157	515	Rp3.150	Rp12.863	Rp86.613	Rp12.373	7	
26	31	188	730	Rp3.919	Rp18.244	Rp91.994	Rp11.499	8	
27	31	218	976	Rp4.688	Rp24.394	Rp98.144	Rp10.905	9	
28	31	249	1253	Rp5.456	Rp31.313	Rp105.063	Rp10.506	10	
29	26	275	1515	Rp6.225	Rp37.875	Rp111.625	Rp10.148	11	
30	26	302	1804	Rp6.881	Rp45.094	Rp118.844	Rp9.904	12	
31	26	328	2119	Rp7.538	Rp52.969	Rp126.719	Rp9.748	13	
32	26	354	2460	Rp8.194	Rp61.500	Rp135.250	Rp9.661	14	
33	27	381	2842	Rp8.850	Rp71.038	Rp144.788	Rp9.653	15	
34	27	409	3250	Rp9.531	Rp81.256	Rp155.006	Rp9.688	16	429
35	27	27	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
36	27	55	27	Rp681	Rp681	Rp74.431	Rp37.216	2	
37	25	79	76	Rp1.363	Rp1.906	Rp75.656	Rp25.219	3	
38	25	104	150	Rp1.975	Rp3.744	Rp77.494	Rp19.373	4	
39	25	128	248	Rp2.588	Rp6.194	Rp79.944	Rp15.989	5	
40	25	153	370	Rp3.200	Rp9.256	Rp83.006	Rp13.834	6	
41	38	190	595	Rp3.813	Rp14.881	Rp88.631	Rp12.662	7	
42	38	228	858	Rp4.750	Rp21.444	Rp95.194	Rp11.899	8	
43	38	265	1158	Rp5.688	Rp28.944	Rp102.694	Rp11.410	9	
44	38	303	1495	Rp6.625	Rp37.381	Rp111.131	Rp11.113	10	
45	33	336	1825	Rp7.563	Rp45.631	Rp119.381	Rp10.853	11	
46	33	369	2188	Rp8.388	Rp54.706	Rp128.456	Rp10.705	12	
47	33	402	2584	Rp9.213	Rp64.606	Rp138.356	Rp10.643	13	
48	33	435	3013	Rp10.038	Rp75.331	Rp149.081	Rp10.649	14	33

- Agen Joko Sendang Jenis AirKu cup

Periode (Minggu)	Demand	Period Carried	Part Period	Inventory Cost	Cumulative Inv. Cost	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	302	302	0	Rp0	Rp0	Rp73.750	Rp73.750	1	1208
2	302	604	302	Rp11.476	Rp11.476	Rp85.226	Rp42.613	2	
3	302	906	906	Rp22.952	Rp34.428	Rp108.178	Rp36.059	3	
4	302	1208	1812	Rp34.428	Rp68.856	Rp142.606	Rp35.652	4	
5	245	1453	2790	Rp45.904	Rp106.020	Rp179.770	Rp35.954	5	978
6	245	245	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
7	245	489	245	Rp9.291	Rp9.291	Rp83.041	Rp41.521	2	
8	245	734	734	Rp18.582	Rp27.873	Rp101.623	Rp33.874	3	
9	404	1138	1946	Rp27.873	Rp73.958	Rp147.708	Rp36.927	4	1617
10	404	404	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
11	404	809	404	Rp15.362	Rp15.362	Rp89.112	Rp44.556	2	
12	404	1213	1213	Rp30.723	Rp46.085	Rp119.835	Rp39.945	3	
13	402	1615	2420	Rp46.085	Rp91.941	Rp165.691	Rp41.423	4	1609
14	402	402	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
15	402	805	402	Rp15.286	Rp15.286	Rp89.036	Rp44.518	2	
16	402	1207	1207	Rp30.571	Rp45.857	Rp119.607	Rp39.869	3	
17	364	1570	2297	Rp45.857	Rp87.296	Rp161.046	Rp40.261	4	1454
18	364	364	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
19	364	727	364	Rp13.813	Rp13.813	Rp87.563	Rp43.782	2	
20	364	1091	1091	Rp27.626	Rp41.439	Rp115.189	Rp38.396	3	
21	658	1749	3065	Rp41.439	Rp116.451	Rp190.201	Rp47.550	4	1974
22	658	658	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
23	658	1316	658	Rp25.004	Rp25.004	Rp98.754	Rp49.377	2	
24	658	1974	1974	Rp50.008	Rp75.012	Rp148.762	Rp49.587	3	2180
25	507	507	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
26	507	1015	507	Rp19.276	Rp19.276	Rp93.026	Rp46.513	2	
27	507	1522	1522	Rp38.551	Rp57.827	Rp131.577	Rp43.859	3	
28	507	2029	3044	Rp57.827	Rp115.653	Rp189.403	Rp47.351	4	2082
29	525	525	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
30	525	1050	525	Rp19.950	Rp19.950	Rp93.700	Rp46.850	2	
31	525	1575	1575	Rp39.900	Rp59.850	Rp133.600	Rp44.533	3	
32	525	2100	3150	Rp59.850	Rp119.700	Rp193.450	Rp48.363	4	1818
33	431	431	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
34	431	862	431	Rp16.378	Rp16.378	Rp90.128	Rp45.064	2	
35	431	1293	1293	Rp32.756	Rp49.134	Rp122.884	Rp40.961	3	
36	431	1724	2586	Rp49.134	Rp98.268	Rp172.018	Rp43.005	4	1533
37	367	367	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
38	367	735	367	Rp13.956	Rp13.956	Rp87.706	Rp43.853	2	
39	367	1102	1102	Rp27.911	Rp41.867	Rp115.617	Rp38.539	3	
40	367	1469	2204	Rp41.867	Rp83.733	Rp157.483	Rp39.371	4	1880
41	504	504	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
42	504	1009	504	Rp19.162	Rp19.162	Rp92.912	Rp46.456	2	
43	504	1513	1513	Rp38.323	Rp57.485	Rp131.235	Rp43.745	3	
44	504	2017	3026	Rp57.485	Rp114.969	Rp188.719	Rp47.180	4	1530
45	257	257	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
46	257	513	257	Rp9.747	Rp9.747	Rp83.497	Rp41.749	2	
47	257	770	770	Rp19.494	Rp29.241	Rp102.991	Rp34.330	3	
48	257	1026	1539	Rp29.241	Rp58.482	Rp132.232	Rp33.058	4	

- Agen Joko Sendang Jenis AirKu botol

Periode (Minggu)	Demand	Cumulati ve	Part Period	Inventory Cost	Cumulativ e Inv. Cost	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	15	15	0	Rp0	Rp0	Rp73.750	Rp73.750	1	218
2	15	29	15	Rp1.088	Rp1.088	Rp74.838	Rp37.419	2	
3	15	44	44	Rp2.175	Rp3.263	Rp77.013	Rp25.671	3	
4	15	58	87	Rp3.263	Rp6.525	Rp80.275	Rp20.069	4	
5	32	90	213	Rp4.350	Rp15.975	Rp89.725	Rp17.945	5	
6	32	121	371	Rp6.713	Rp27.788	Rp101.538	Rp16.923	6	
7	32	153	560	Rp9.075	Rp41.963	Rp115.713	Rp16.530	7	
8	32	184	780	Rp11.438	Rp58.500	Rp132.250	Rp16.531	8	
9	17	201	916	Rp13.800	Rp68.700	Rp142.450	Rp15.828	9	
10	17	218	1069	Rp15.075	Rp80.175	Rp153.925	Rp15.393	10	
11	17	17	0	Rp0	Rp0	Rp73.750	Rp73.750	1	134
12	17	34	17	Rp1.275	Rp1.275	Rp75.025	Rp37.513	2	
13	11	45	39	Rp2.550	Rp2.925	Rp76.675	Rp25.558	3	
14	11	56	72	Rp3.375	Rp5.400	Rp79.150	Rp19.788	4	
15	11	67	116	Rp4.200	Rp8.700	Rp82.450	Rp16.490	5	
16	11	78	171	Rp5.025	Rp12.825	Rp86.575	Rp14.429	6	
17	14	92	255	Rp5.850	Rp19.125	Rp92.875	Rp13.268	7	
18	14	106	353	Rp6.900	Rp26.475	Rp100.225	Rp12.528	8	
19	14	120	465	Rp7.950	Rp34.875	Rp108.625	Rp12.069	9	
20	14	134	591	Rp9.000	Rp44.325	Rp118.075	Rp11.808	10	
21	41	175	996	Rp10.050	Rp74.700	Rp148.450	Rp13.495	11	263
22	41	41	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
23	41	81	41	Rp3.038	Rp3.038	Rp76.788	Rp38.394	2	
24	41	122	122	Rp6.075	Rp9.113	Rp82.863	Rp27.621	3	
25	15	136	166	Rp9.113	Rp12.431	Rp86.181	Rp21.545	4	
26	15	151	225	Rp10.219	Rp16.856	Rp90.606	Rp18.121	5	
27	15	166	299	Rp11.325	Rp22.388	Rp96.138	Rp16.023	6	
28	15	181	387	Rp12.431	Rp29.025	Rp102.775	Rp14.682	7	
29	21	201	532	Rp13.538	Rp39.919	Rp113.669	Rp14.209	8	
30	21	222	698	Rp15.094	Rp52.369	Rp126.119	Rp14.013	9	
31	21	243	885	Rp16.650	Rp66.375	Rp140.125	Rp14.013	10	189
32	21	264	1093	Rp18.206	Rp81.938	Rp155.688	Rp14.153	11	
33	14	14	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
34	14	27	14	Rp1.013	Rp1.013	Rp74.763	Rp37.381	2	
35	14	41	41	Rp2.025	Rp3.038	Rp76.788	Rp25.596	3	
36	14	54	81	Rp3.038	Rp6.075	Rp79.825	Rp19.956	4	
37	12	66	130	Rp4.050	Rp9.750	Rp83.500	Rp16.700	5	
38	12	79	191	Rp4.969	Rp14.344	Rp88.094	Rp14.682	6	
39	12	91	265	Rp5.888	Rp19.856	Rp93.606	Rp13.372	7	
40	12	103	351	Rp6.806	Rp26.288	Rp100.038	Rp12.505	8	
41	15	118	469	Rp7.725	Rp35.138	Rp108.888	Rp12.099	9	
42	15	133	601	Rp8.831	Rp45.094	Rp118.844	Rp11.884	10	
43	15	147	749	Rp9.938	Rp56.156	Rp129.906	Rp11.810	11	
44	15	162	911	Rp11.044	Rp68.325	Rp142.075	Rp11.840	12	142
45	32	194	1292	Rp12.150	Rp96.900	Rp170.650	Rp13.127	13	
46	32	32	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
47	32	64	32	Rp2.381	Rp2.381	Rp76.131	Rp38.066	2	
48	32	95	64	Rp4.763	Rp4.763	Rp78.513	Rp26.171	3	

- Agen Joko Sendang Jenis AirKu galon

Periode (Minggu)	Demand	Cumulati ve	Part Period	Inventory Cost	Cumulati ve Inv.	Total Hold Cost	Cost Per Period	Period Carried	Cum. Dmd
1	3	3	0	Rp0	Rp0	Rp73.750	Rp73.750	1	116
2	3	6	3	Rp69	Rp69	Rp73.819	Rp36.909	2	
3	3	8	8	Rp138	Rp206	Rp73.956	Rp24.652	3	
4	3	11	17	Rp206	Rp413	Rp74.163	Rp18.541	4	
5	2	13	26	Rp275	Rp638	Rp74.388	Rp14.878	5	
6	2	16	37	Rp331	Rp919	Rp74.669	Rp12.445	6	
7	2	18	50	Rp388	Rp1.256	Rp75.006	Rp10.715	7	
8	2	20	66	Rp444	Rp1.650	Rp75.400	Rp9.425	8	
9	2	22	84	Rp500	Rp2.100	Rp75.850	Rp8.428	9	
10	2	25	104	Rp556	Rp2.606	Rp76.356	Rp7.636	10	
11	2	27	127	Rp613	Rp3.169	Rp76.919	Rp6.993	11	
12	2	29	152	Rp669	Rp3.788	Rp77.538	Rp6.461	12	
13	3	32	188	Rp725	Rp4.688	Rp78.438	Rp6.034	13	
14	3	35	227	Rp800	Rp5.663	Rp79.413	Rp5.672	14	
15	3	38	269	Rp875	Rp6.713	Rp80.463	Rp5.364	15	
16	3	41	314	Rp950	Rp7.838	Rp81.588	Rp5.099	16	
17	2	43	350	Rp1.025	Rp8.738	Rp82.488	Rp4.852	17	
18	2	46	388	Rp1.081	Rp9.694	Rp83.444	Rp4.636	18	
19	2	48	428	Rp1.138	Rp10.706	Rp84.456	Rp4.445	19	
20	2	50	471	Rp1.194	Rp11.775	Rp85.525	Rp4.276	20	
21	3	53	531	Rp1.250	Rp13.275	Rp87.025	Rp4.144	21	
22	3	56	594	Rp1.325	Rp14.850	Rp88.600	Rp4.027	22	
23	3	59	660	Rp1.400	Rp16.500	Rp90.250	Rp3.924	23	
24	3	62	729	Rp1.475	Rp18.225	Rp91.975	Rp3.832	24	
25	3	65	789	Rp1.550	Rp19.725	Rp93.475	Rp3.739	25	
26	3	67	852	Rp1.613	Rp21.288	Rp95.038	Rp3.655	26	
27	3	70	917	Rp1.675	Rp22.913	Rp96.663	Rp3.580	27	
28	3	72	984	Rp1.738	Rp24.600	Rp98.350	Rp3.513	28	
29	5	77	1124	Rp1.800	Rp28.100	Rp101.850	Rp3.512	29	
30	5	82	1269	Rp1.925	Rp31.725	Rp105.475	Rp3.516	30	
31	5	87	1419	Rp2.050	Rp35.475	Rp109.225	Rp3.523	31	
32	5	92	1574	Rp2.175	Rp39.350	Rp113.100	Rp3.534	32	
33	4	96	1710	Rp2.300	Rp42.750	Rp116.500	Rp3.530	33	
34	4	101	1850	Rp2.406	Rp46.256	Rp120.006	Rp3.530	34	
35	4	105	1995	Rp2.513	Rp49.869	Rp123.619	Rp3.532	35	
36	4	109	2144	Rp2.619	Rp53.588	Rp127.338	Rp3.537	36	
37	2	111	2207	Rp2.725	Rp55.163	Rp128.913	Rp3.484	37	
38	2	113	2271	Rp2.769	Rp56.781	Rp130.531	Rp3.435	38	
39	2	114	2338	Rp2.813	Rp58.444	Rp132.194	Rp3.390	39	
40	2	116	2406	Rp2.856	Rp60.150	Rp133.900	Rp3.348	40	
41	9	125	2766	Rp2.900	Rp69.150	Rp142.900	Rp3.485	41	52
42	9	134	3135	Rp3.125	Rp78.375	Rp152.125	Rp3.622	42	
43	9	9	0	Rp0	Rp0	Rp73.750	Rp73.750	1	
44	9	18	9	Rp225	Rp225	Rp73.975	Rp36.988	2	
45	4	22	17	Rp450	Rp425	Rp74.175	Rp24.725	3	
46	4	26	29	Rp550	Rp725	Rp74.475	Rp18.619	4	
47	4	30	45	Rp650	Rp1.125	Rp74.875	Rp14.975	5	
48	4	34	65	Rp750	Rp1.625	Rp75.375	Rp12.563	6	

4. Algoritma Wagner Within (AWW)

a. Matriks Biaya Total

- Agen Aneka Usaha Jenis Airku Cup

Matriks Biaya Total																	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp89.121	Rp119.863	Rp165.976	Rp232.970	Rp316.713	Rp417.204	Rp534.443	Rp668.735	Rp819.814	Rp987.679	Rp1.172.330	Rp1.491.416	Rp1.837.093	Rp2.209.360	Rp2.608.217	
2		Rp73.750	Rp89.121	Rp119.863	Rp170.109	Rp237.103	Rp320.845	Rp421.336	Rp538.842	Rp673.134	Rp824.212	Rp992.077	Rp1.284.573	Rp1.603.659	Rp1.949.335	Rp2.321.602	
3			Rp73.750	Rp89.121	Rp122.618	Rp172.864	Rp239.858	Rp323.600	Rp424.319	Rp541.825	Rp676.117	Rp827.195	Rp1.093.100	Rp1.385.596	Rp1.704.682	Rp2.050.358	
4				Rp73.750	Rp90.499	Rp123.996	Rp174.241	Rp241.235	Rp325.168	Rp425.887	Rp543.392	Rp677.684	Rp916.999	Rp1.182.904	Rp1.475.399	Rp1.794.485	
5					Rp73.750	Rp90.499	Rp123.996	Rp174.241	Rp241.387	Rp325.320	Rp426.039	Rp543.544	Rp756.268	Rp995.583	Rp1.261.488	Rp1.553.983	
6						Rp73.750	Rp90.499	Rp123.996	Rp174.355	Rp241.501	Rp325.434	Rp426.153	Rp612.286	Rp825.010	Rp1.064.325	Rp1.330.230	
7							Rp73.750	Rp90.499	Rp124.072	Rp174.431	Rp241.577	Rp325.510	Rp485.053	Rp671.186	Rp883.910	Rp1.123.225	
8								Rp73.750	Rp90.537	Rp124.110	Rp174.469	Rp241.615	Rp374.568	Rp534.111	Rp720.244	Rp932.968	
9									Rp73.750	Rp90.537	Rp124.110	Rp174.469	Rp280.831	Rp413.784	Rp573.327	Rp759.460	
10										Rp73.750	Rp90.537	Rp124.110	Rp203.881	Rp310.243	Rp443.196	Rp602.739	
11											Rp73.750	Rp90.537	Rp143.718	Rp223.489	Rp329.851	Rp462.804	
12												Rp73.750	Rp100.341	Rp153.522	Rp233.293	Rp339.655	
13													Rp73.750	Rp100.341	Rp153.522	Rp233.293	
14														Rp73.750	Rp100.341	Rp153.522	
15															Rp73.750	Rp100.341	
16																Rp73.750	
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fn	Rp73.750	Rp89.121	Rp119.863	Rp165.976	Rp210.362	Rp243.859	Rp289.972	Rp334.357	Rp367.930	Rp414.081	Rp458.467	Rp492.040	Rp557.799	Rp592.380	Rp645.561	Rp692.721	

Matriks Biaya Total																
0	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp2.918.297	Rp3.247.757	Rp3.596.597	Rp3.964.817	Rp4.452.927	Rp4.965.443	Rp5.502.364	Rp6.063.690	Rp6.479.562	Rp6.912.762	Rp7.363.290	Rp7.831.146	Rp8.324.310	Rp8.835.087	Rp9.363.477	Rp9.909.480
2	Rp2.612.302	Rp2.922.382	Rp3.251.842	Rp3.600.682	Rp4.064.387	Rp4.552.497	Rp5.065.012	Rp5.601.933	Rp6.000.477	Rp6.416.349	Rp6.849.549	Rp7.300.077	Rp7.775.628	Rp8.268.792	Rp8.779.569	Rp9.307.959
3	Rp2.321.678	Rp2.612.378	Rp2.922.458	Rp3.251.918	Rp3.691.217	Rp4.154.922	Rp4.643.032	Rp5.155.547	Rp5.536.763	Rp5.935.307	Rp6.351.179	Rp6.784.379	Rp7.242.317	Rp7.717.868	Rp8.211.032	Rp8.721.809
4	Rp2.046.425	Rp2.317.745	Rp2.608.445	Rp2.918.525	Rp3.333.419	Rp3.772.718	Rp4.236.422	Rp4.724.532	Rp5.088.420	Rp5.469.636	Rp5.868.180	Rp6.284.052	Rp6.724.377	Rp7.182.315	Rp7.657.866	Rp8.151.030
5	Rp1.786.543	Rp2.038.483	Rp2.309.803	Rp2.600.503	Rp2.990.991	Rp3.405.885	Rp3.845.184	Rp4.308.888	Rp4.655.448	Rp5.019.336	Rp5.400.552	Rp5.799.096	Rp6.221.808	Rp6.662.133	Rp7.120.071	Rp7.595.622
6	Rp1.543.410	Rp1.775.970	Rp2.027.910	Rp2.299.230	Rp2.665.312	Rp3.055.800	Rp3.470.694	Rp3.909.993	Rp4.239.225	Rp4.585.785	Rp4.949.673	Rp5.330.889	Rp5.735.988	Rp6.158.700	Rp6.599.025	Rp7.056.963
7	Rp1.317.025	Rp1.530.205	Rp1.762.765	Rp2.014.705	Rp2.356.382	Rp2.722.464	Rp3.112.952	Rp3.527.846	Rp3.839.750	Rp4.168.982	Rp4.515.542	Rp4.879.430	Rp5.266.916	Rp5.672.015	Rp6.094.727	Rp6.535.052
8	Rp1.107.388	Rp1.301.188	Rp1.514.368	Rp1.746.928	Rp2.064.200	Rp2.405.877	Rp2.771.959	Rp3.162.447	Rp3.457.023	Rp3.768.927	Rp4.098.159	Rp4.444.719	Rp4.814.592	Rp5.202.078	Rp5.607.177	Rp6.029.889
9	Rp914.500	Rp1.088.920	Rp1.282.720	Rp1.495.900	Rp1.788.766	Rp2.106.038	Rp2.447.715	Rp2.813.797	Rp3.091.045	Rp3.385.621	Rp3.697.525	Rp4.026.757	Rp4.379.017	Rp4.748.890	Rp5.136.376	Rp5.541.475
10	Rp738.399	Rp893.439	Rp1.067.859	Rp1.261.659	Rp1.530.119	Rp1.822.985	Rp2.140.257	Rp2.481.934	Rp2.741.854	Rp3.019.102	Rp3.313.678	Rp3.625.582	Rp3.960.229	Rp4.312.489	Rp4.682.362	Rp5.069.848
11	Rp579.084	Rp714.744	Rp869.784	Rp1.044.204	Rp1.288.259	Rp1.556.719	Rp1.849.585	Rp2.166.857	Rp2.409.449	Rp2.669.369	Rp2.946.617	Rp3.241.193	Rp3.558.227	Rp3.892.874	Rp4.254.134	Rp4.615.007
12	Rp436.555	Rp552.835	Rp688.495	Rp843.535	Rp1.063.185	Rp1.307.240	Rp1.575.700	Rp1.868.566	Rp2.093.830	Rp2.336.422	Rp2.596.342	Rp2.873.590	Rp3.173.011	Rp3.490.045	Rp3.824.692	Rp4.176.952
13	Rp310.813	Rp407.713	Rp523.993	Rp659.653	Rp854.897	Rp1.074.547	Rp1.318.602	Rp1.587.062	Rp1.794.998	Rp2.020.262	Rp2.262.854	Rp2.522.774	Rp2.804.582	Rp3.104.003	Rp3.421.037	Rp3.755.684
14	Rp211.662	Rp289.182	Rp386.082	Rp502.362	Rp673.200	Rp868.444	Rp1.088.094	Rp1.332.149	Rp1.522.757	Rp1.730.693	Rp1.955.957	Rp2.198.549	Rp2.462.744	Rp2.744.552	Rp3.043.973	Rp3.361.007
15	Rp139.101	Rp197.241	Rp274.761	Rp371.661	Rp518.094	Rp688.932	Rp884.176	Rp1.103.826	Rp1.277.106	Rp1.467.714	Rp1.675.650	Rp1.900.914	Rp2.147.496	Rp2.411.691	Rp2.693.499	Rp2.992.920
16	Rp93.130	Rp131.890	Rp190.030	Rp267.550	Rp389.578	Rp536.011	Rp706.849	Rp902.093	Rp1.058.045	Rp1.231.325	Rp1.421.933	Rp1.629.869	Rp1.858.838	Rp2.105.420	Rp2.369.615	Rp2.651.423
17	Rp73.750	Rp93.130	Rp131.890	Rp190.030	Rp287.652	Rp409.680	Rp556.113	Rp726.951	Rp865.575	Rp1.021.527	Rp1.194.807	Rp1.385.415	Rp1.596.771	Rp1.825.740	Rp2.072.322	Rp2.336.517
18		Rp73.750	Rp93.130	Rp131.890	Rp205.107	Rp302.729	Rp424.756	Rp571.189	Rp692.485	Rp831.109	Rp987.061	Rp1.160.341	Rp1.354.084	Rp1.565.440	Rp1.794.409	Rp2.040.991
19			Rp73.750	Rp93.130	Rp141.941	Rp215.158	Rp312.780	Rp434.807	Rp538.775	Rp660.071	Rp798.695	Rp954.647	Rp1.130.777	Rp1.324.520	Rp1.535.876	Rp1.764.845
20				Rp73.750	Rp98.156	Rp146.967	Rp220.183	Rp317.805	Rp404.445	Rp508.413	Rp629.709	Rp768.333	Rp926.850	Rp1.102.980	Rp1.296.723	Rp1.508.079
21					Rp73.750	Rp98.156	Rp146.967	Rp220.183	Rp289.495	Rp376.135	Rp480.103	Rp601.399	Rp742.303	Rp900.820	Rp1.076.590	Rp1.270.693
22						Rp73.750	Rp98.156	Rp146.967	Rp198.951	Rp268.263	Rp354.903	Rp458.871	Rp582.162	Rp723.066	Rp881.583	Rp1.057.713
23							Rp73.750	Rp98.156	Rp132.812	Rp184.796	Rp254.108	Rp340.748	Rp446.426	Rp569.717	Rp710.621	Rp869.138
24								Rp73.750	Rp91.078	Rp125.734	Rp177.718	Rp247.030	Rp335.095	Rp440.773	Rp564.064	Rp704.968
25									Rp73.750	Rp91.078	Rp125.734	Rp177.718	Rp248.170	Rp336.235	Rp441.913	Rp565.204
26										Rp73.750	Rp91.078	Rp125.734	Rp178.573	Rp249.025	Rp337.090	Rp442.768
27											Rp73.750	Rp91.078	Rp126.304	Rp179.143	Rp249.595	Rp337.660
28												Rp73.750	Rp91.363	Rp126.589	Rp179.428	Rp249.880
29													Rp73.750	Rp91.363	Rp126.589	Rp179.428
30														Rp73.750	Rp91.363	Rp126.589
31															Rp73.750	Rp91.363
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fn	Rp731.481	Rp777.451	Rp824.611	Rp863.371	Rp919.392	Rp961.526	Rp1.010.337	Rp1.059.682	Rp1.094.338	Rp1.136.071	Rp1.185.416	Rp1.220.072	Rp1.262.375	Rp1.311.435	Rp1.346.661	Rp1.388.964

- Agen Aneka Usaha Jenis AirKu botol

Matriks Biaya Total																		
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1	Rp73.750	Rp74.969	Rp77.406	Rp81.063	Rp84.588	Rp88.994	Rp94.281	Rp100.450	Rp108.700	Rp117.981	Rp128.294	Rp139.638	Rp154.038	Rp169.638	Rp186.438	Rp204.438		
2		Rp73.750	Rp74.969	Rp77.406	Rp80.050	Rp83.575	Rp87.981	Rp93.269	Rp100.488	Rp108.738	Rp118.019	Rp128.331	Rp141.531	Rp155.931	Rp171.531	Rp188.331		
3			Rp73.750	Rp74.969	Rp76.731	Rp79.375	Rp82.900	Rp87.306	Rp93.494	Rp100.713	Rp108.963	Rp118.244	Rp130.244	Rp143.444	Rp157.844	Rp173.444		
4				Rp73.750	Rp74.631	Rp76.394	Rp79.038	Rp82.563	Rp87.719	Rp93.906	Rp101.125	Rp109.375	Rp120.175	Rp132.175	Rp145.375	Rp159.775		
5					Rp73.750	Rp74.631	Rp76.394	Rp79.038	Rp83.163	Rp88.319	Rp94.506	Rp101.725	Rp111.325	Rp122.125	Rp134.125	Rp147.325		
6						Rp73.750	Rp74.631	Rp76.394	Rp79.488	Rp83.613	Rp88.769	Rp94.956	Rp103.356	Rp112.956	Rp123.756	Rp135.756		
7							Rp73.750	Rp74.631	Rp76.694	Rp79.788	Rp83.913	Rp89.069	Rp96.269	Rp104.669	Rp114.269	Rp125.069		
8								Rp73.750	Rp74.781	Rp76.844	Rp79.938	Rp84.063	Rp90.063	Rp97.263	Rp105.663	Rp115.263		
9									Rp73.750	Rp74.781	Rp76.844	Rp79.938	Rp84.738	Rp90.738	Rp97.938	Rp106.338		
10										Rp73.750	Rp74.781	Rp76.844	Rp80.444	Rp85.244	Rp91.244	Rp98.444		
11											Rp73.750	Rp74.781	Rp77.181	Rp80.781	Rp85.581	Rp91.581		
12												Rp73.750	Rp74.950	Rp77.350	Rp80.950	Rp85.750		
13													Rp73.750	Rp74.950	Rp77.350	Rp80.950		
14														Rp73.750	Rp74.950	Rp77.350		
15															Rp73.750	Rp74.950		
16																Rp73.750	Rp74.950	
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fn	Rp73.750	Rp74.969	Rp77.406	Rp81.063	Rp84.588	Rp88.994	Rp94.281	Rp100.450	Rp108.700	Rp117.981	Rp128.294	Rp139.638	Rp154.038	Rp169.638	Rp186.438	Rp204.438		

Matriks Biaya Total																
0	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp222.738	Rp242.181	Rp262.769	Rp284.500	Rp360.250	Rp439.788	Rp523.113	Rp610.225	Rp679.525	Rp751.713	Rp826.788	Rp904.750	Rp967.750	Rp1.033.000	Rp1.100.500	Rp1.170.250
2	Rp205.488	Rp223.788	Rp243.231	Rp263.819	Rp335.781	Rp411.531	Rp491.069	Rp574.394	Rp640.806	Rp710.106	Rp782.294	Rp857.369	Rp918.119	Rp981.119	Rp1.046.369	Rp1.113.869
3	Rp189.456	Rp206.613	Rp224.913	Rp244.356	Rp312.531	Rp384.494	Rp460.244	Rp539.781	Rp603.306	Rp669.719	Rp739.019	Rp811.206	Rp869.706	Rp930.456	Rp993.456	Rp1.058.706
4	Rp174.644	Rp190.656	Rp207.813	Rp226.113	Rp290.500	Rp358.675	Rp430.638	Rp506.388	Rp567.025	Rp630.550	Rp696.963	Rp766.263	Rp822.513	Rp881.013	Rp941.763	Rp1.004.763
5	Rp161.050	Rp175.919	Rp191.931	Rp209.088	Rp269.688	Rp334.075	Rp402.250	Rp474.213	Rp531.963	Rp592.600	Rp656.125	Rp722.538	Rp776.538	Rp832.788	Rp891.288	Rp952.038
6	Rp148.338	Rp162.063	Rp176.931	Rp192.944	Rp249.756	Rp310.356	Rp374.744	Rp442.919	Rp497.781	Rp555.531	Rp616.169	Rp679.694	Rp731.444	Rp785.444	Rp841.694	Rp900.194
7	Rp136.506	Rp149.088	Rp162.813	Rp177.681	Rp230.706	Rp287.519	Rp348.119	Rp412.506	Rp464.481	Rp519.344	Rp577.094	Rp637.731	Rp687.231	Rp738.981	Rp792.981	Rp849.231
8	Rp125.556	Rp136.994	Rp149.575	Rp163.300	Rp212.538	Rp265.563	Rp322.375	Rp382.975	Rp432.063	Rp484.038	Rp538.900	Rp596.650	Rp643.900	Rp693.400	Rp745.150	Rp799.150
9	Rp115.488	Rp125.781	Rp137.219	Rp149.800	Rp195.250	Rp244.488	Rp297.513	Rp354.325	Rp400.525	Rp449.613	Rp501.588	Rp556.450	Rp601.450	Rp648.700	Rp698.200	Rp749.950
10	Rp106.450	Rp115.600	Rp125.894	Rp137.331	Rp178.994	Rp224.444	Rp273.681	Rp326.706	Rp370.019	Rp416.219	Rp465.306	Rp517.281	Rp560.031	Rp605.031	Rp652.281	Rp701.781
11	Rp98.444	Rp106.450	Rp115.600	Rp125.894	Rp163.769	Rp205.431	Rp250.881	Rp300.119	Rp340.544	Rp383.856	Rp430.056	Rp479.144	Rp519.644	Rp562.394	Rp607.394	Rp654.644
12	Rp91.469	Rp98.331	Rp106.338	Rp115.488	Rp149.575	Rp187.450	Rp229.113	Rp274.563	Rp312.100	Rp352.525	Rp395.838	Rp442.038	Rp480.288	Rp520.788	Rp563.538	Rp608.538
13	Rp85.525	Rp91.244	Rp98.106	Rp106.113	Rp136.413	Rp170.500	Rp208.375	Rp250.038	Rp284.688	Rp322.225	Rp362.650	Rp405.963	Rp441.963	Rp480.213	Rp520.713	Rp563.463
14	Rp80.781	Rp85.356	Rp91.075	Rp97.938	Rp124.450	Rp154.750	Rp188.838	Rp226.713	Rp258.475	Rp293.125	Rp330.663	Rp371.088	Rp404.838	Rp440.838	Rp479.088	Rp519.588
15	Rp77.238	Rp80.669	Rp85.244	Rp90.963	Rp113.688	Rp140.200	Rp170.500	Rp204.588	Rp233.463	Rp265.225	Rp299.875	Rp337.413	Rp368.913	Rp402.663	Rp438.663	Rp476.913
16	Rp74.894	Rp77.181	Rp80.613	Rp85.188	Rp104.125	Rp126.850	Rp153.363	Rp183.663	Rp209.650	Rp238.525	Rp270.288	Rp304.938	Rp334.188	Rp365.688	Rp399.438	Rp435.438
17	Rp73.750	Rp74.894	Rp77.181	Rp80.613	Rp95.763	Rp114.700	Rp137.425	Rp163.938	Rp187.038	Rp213.025	Rp241.900	Rp273.663	Rp300.663	Rp329.913	Rp361.413	Rp395.163
18		Rp73.750	Rp74.894	Rp77.181	Rp88.544	Rp103.694	Rp122.631	Rp145.356	Rp165.569	Rp188.669	Rp214.656	Rp243.531	Rp268.281	Rp295.281	Rp324.531	Rp356.031
19			Rp73.750	Rp74.894	Rp82.469	Rp93.831	Rp108.981	Rp127.919	Rp145.244	Rp165.456	Rp188.556	Rp214.544	Rp237.044	Rp261.794	Rp288.794	Rp318.044
20				Rp73.750	Rp77.538	Rp85.113	Rp96.475	Rp111.625	Rp126.063	Rp143.388	Rp163.600	Rp186.700	Rp206.950	Rp229.450	Rp254.200	Rp281.200
21					Rp73.750	Rp77.538	Rp85.113	Rp96.475	Rp108.025	Rp122.463	Rp139.788	Rp160.000	Rp178.000	Rp198.250	Rp220.750	Rp245.500
22						Rp73.750	Rp77.538	Rp85.113	Rp93.775	Rp105.325	Rp119.763	Rp137.088	Rp152.838	Rp170.838	Rp191.088	Rp213.588
23							Rp73.750	Rp77.538	Rp83.313	Rp91.975	Rp103.525	Rp117.963	Rp131.463	Rp147.213	Rp165.213	Rp185.463
24								Rp73.750	Rp76.638	Rp82.413	Rp91.075	Rp102.625	Rp113.875	Rp127.375	Rp143.125	Rp161.125
25									Rp73.750	Rp76.638	Rp82.413	Rp91.075	Rp100.075	Rp111.325	Rp124.825	Rp140.575
26										Rp73.750	Rp76.638	Rp82.413	Rp89.163	Rp98.163	Rp109.413	Rp122.913
27											Rp73.750	Rp76.638	Rp81.138	Rp87.888	Rp96.888	Rp108.138
28												Rp73.750	Rp76.000	Rp80.500	Rp87.250	Rp96.250
29													Rp73.750	Rp76.000	Rp80.500	Rp87.250
30														Rp73.750	Rp76.000	Rp80.500
31															Rp73.750	Rp76.000
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fn	Rp215.150	Rp224.300	Rp233.581	Rp243.781	Rp276.050	Rp308.788	Rp328.894	Rp340.256	Rp351.806	Rp366.244	Rp383.569	Rp403.781	Rp421.781	Rp442.031	Rp461.219	Rp474.381

- Agen Aneka Usaha Jenis AirKu galon

Matriks Biaya Total																
0	e = 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Rp73.750	Rp73.838	Rp74.013	Rp74.275	Rp74.625	Rp75.063	Rp75.588	Rp76.200	Rp76.750	Rp77.369	Rp78.056	Rp78.813	Rp80.088	Rp81.469	Rp82.956	Rp84.550
2		Rp73.750	Rp73.838	Rp74.013	Rp74.275	Rp74.625	Rp75.063	Rp75.588	Rp76.069	Rp76.619	Rp77.238	Rp77.925	Rp79.094	Rp80.369	Rp81.750	Rp83.238
3			Rp73.750	Rp73.838	Rp74.013	Rp74.275	Rp74.625	Rp75.063	Rp75.475	Rp75.956	Rp76.506	Rp77.125	Rp78.188	Rp79.356	Rp80.631	Rp82.013
4				Rp73.750	Rp73.838	Rp74.013	Rp74.275	Rp74.625	Rp74.969	Rp75.381	Rp75.863	Rp76.413	Rp77.369	Rp78.431	Rp79.600	Rp80.875
5					Rp73.750	Rp73.838	Rp74.013	Rp74.275	Rp74.550	Rp74.894	Rp75.306	Rp75.788	Rp76.638	Rp77.594	Rp78.656	Rp79.825
6						Rp73.750	Rp73.838	Rp74.013	Rp74.219	Rp74.494	Rp74.838	Rp75.250	Rp75.994	Rp76.844	Rp77.800	Rp78.863
7							Rp73.750	Rp73.838	Rp73.975	Rp74.181	Rp74.456	Rp74.800	Rp75.438	Rp76.181	Rp77.031	Rp77.988
8								Rp73.750	Rp73.819	Rp73.956	Rp74.163	Rp74.438	Rp74.969	Rp75.606	Rp76.350	Rp77.200
9									Rp73.750	Rp73.819	Rp73.956	Rp74.163	Rp74.588	Rp75.119	Rp75.756	Rp76.500
10										Rp73.750	Rp73.819	Rp73.956	Rp74.275	Rp74.700	Rp75.231	Rp75.869
11											Rp73.750	Rp73.819	Rp74.031	Rp74.350	Rp74.775	Rp75.306
12												Rp73.750	Rp73.856	Rp74.069	Rp74.388	Rp74.813
13													Rp73.750	Rp73.856	Rp74.069	Rp74.388
14														Rp73.750	Rp73.856	Rp74.069
15															Rp73.750	Rp73.856
16																Rp73.750
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fn	Rp73.750	Rp73.838	Rp74.013	Rp74.275	Rp74.625	Rp75.063	Rp75.588	Rp76.200	Rp76.750	Rp77.369	Rp78.056	Rp78.813	Rp80.088	Rp81.469	Rp82.956	Rp84.550

Matriks Biaya Total																	
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
1	Rp87.250	Rp90.119	Rp93.156	Rp96.363	Rp97.488	Rp98.669	Rp99.906	Rp101.200	Rp103.000	Rp104.875	Rp106.825	Rp108.850	Rp110.950	Rp113.125	Rp115.375	Rp117.700	
2	Rp85.769	Rp88.469	Rp91.338	Rp94.375	Rp95.444	Rp96.569	Rp97.750	Rp98.988	Rp100.713	Rp102.513	Rp104.388	Rp106.338	Rp108.363	Rp110.463	Rp112.638	Rp114.888	
3	Rp84.375	Rp86.906	Rp89.606	Rp92.475	Rp93.488	Rp94.556	Rp95.681	Rp96.863	Rp98.513	Rp100.238	Rp102.038	Rp103.913	Rp105.863	Rp107.888	Rp109.988	Rp112.163	
4	Rp83.069	Rp85.431	Rp87.963	Rp90.663	Rp91.619	Rp92.631	Rp93.700	Rp94.825	Rp96.400	Rp98.050	Rp99.775	Rp101.575	Rp103.450	Rp105.400	Rp107.425	Rp109.525	
5	Rp81.850	Rp84.044	Rp86.406	Rp88.938	Rp89.838	Rp90.794	Rp91.806	Rp92.875	Rp94.375	Rp95.950	Rp97.600	Rp99.325	Rp101.125	Rp103.000	Rp104.950	Rp106.975	
6	Rp80.719	Rp82.744	Rp84.938	Rp87.300	Rp88.144	Rp89.044	Rp90.000	Rp91.013	Rp92.438	Rp93.938	Rp95.513	Rp97.163	Rp98.888	Rp100.688	Rp102.563	Rp104.513	
7	Rp79.675	Rp81.531	Rp83.556	Rp85.750	Rp86.538	Rp87.381	Rp88.281	Rp89.238	Rp90.588	Rp92.013	Rp93.513	Rp95.088	Rp96.738	Rp98.463	Rp100.263	Rp102.138	
8	Rp78.719	Rp80.406	Rp82.263	Rp84.288	Rp85.019	Rp85.806	Rp86.650	Rp87.550	Rp88.825	Rp90.175	Rp91.600	Rp93.100	Rp94.675	Rp96.325	Rp98.050	Rp99.850	
9	Rp77.850	Rp79.369	Rp81.056	Rp82.913	Rp83.588	Rp84.319	Rp85.106	Rp85.950	Rp87.150	Rp88.425	Rp89.775	Rp91.200	Rp92.700	Rp94.275	Rp95.925	Rp97.650	
10	Rp77.050	Rp78.400	Rp79.919	Rp81.606	Rp82.225	Rp82.900	Rp83.631	Rp84.419	Rp85.544	Rp86.744	Rp88.019	Rp89.369	Rp90.794	Rp92.294	Rp93.869	Rp95.519	
11	Rp76.319	Rp77.500	Rp78.850	Rp80.369	Rp80.931	Rp81.550	Rp82.225	Rp82.956	Rp84.006	Rp85.131	Rp86.331	Rp87.606	Rp88.956	Rp90.381	Rp91.881	Rp93.456	
12	Rp75.656	Rp76.669	Rp77.850	Rp79.200	Rp79.706	Rp80.269	Rp80.888	Rp81.563	Rp82.538	Rp83.588	Rp84.713	Rp85.913	Rp87.188	Rp88.538	Rp89.963	Rp91.463	
13	Rp75.063	Rp75.906	Rp76.919	Rp78.100	Rp78.550	Rp79.056	Rp79.619	Rp80.238	Rp81.138	Rp82.113	Rp83.163	Rp84.288	Rp85.488	Rp86.763	Rp88.113	Rp89.538	
14	Rp74.575	Rp75.250	Rp76.094	Rp77.106	Rp77.500	Rp77.950	Rp78.456	Rp79.019	Rp79.844	Rp80.744	Rp81.719	Rp82.769	Rp83.894	Rp85.094	Rp86.369	Rp87.719	
15	Rp74.194	Rp74.700	Rp75.375	Rp76.219	Rp76.556	Rp76.950	Rp77.400	Rp77.906	Rp78.656	Rp79.481	Rp80.381	Rp81.356	Rp82.406	Rp83.531	Rp84.731	Rp86.006	
16	Rp73.919	Rp74.256	Rp74.763	Rp75.438	Rp75.719	Rp76.056	Rp76.450	Rp76.900	Rp77.575	Rp78.325	Rp79.150	Rp80.050	Rp81.025	Rp82.075	Rp83.200	Rp84.400	
17	Rp73.750	Rp73.919	Rp74.256	Rp74.763	Rp74.988	Rp75.269	Rp75.606	Rp76.000	Rp76.600	Rp77.275	Rp78.025	Rp78.850	Rp79.750	Rp80.725	Rp81.775	Rp82.900	
18		Rp73.750	Rp73.919	Rp74.256	Rp74.425	Rp74.650	Rp74.931	Rp75.269	Rp75.794	Rp76.394	Rp77.069	Rp77.819	Rp78.644	Rp79.544	Rp80.519	Rp81.569	
19			Rp73.750	Rp73.919	Rp74.031	Rp74.200	Rp74.425	Rp74.706	Rp75.156	Rp75.681	Rp76.281	Rp76.956	Rp77.706	Rp78.531	Rp79.431	Rp80.406	
20				Rp73.750	Rp73.806	Rp73.919	Rp74.088	Rp74.313	Rp74.688	Rp75.138	Rp75.663	Rp76.263	Rp76.938	Rp77.688	Rp78.513	Rp79.413	
21					Rp73.750	Rp73.806	Rp73.919	Rp74.088	Rp74.388	Rp74.763	Rp75.213	Rp75.738	Rp76.338	Rp77.013	Rp77.763	Rp78.588	
22						Rp73.750	Rp73.806	Rp73.919	Rp74.144	Rp74.444	Rp74.819	Rp75.269	Rp75.794	Rp76.394	Rp77.069	Rp77.819	
23							Rp73.750	Rp73.806	Rp73.956	Rp74.181	Rp74.481	Rp74.856	Rp75.306	Rp75.831	Rp76.431	Rp77.106	
24								Rp73.750	Rp73.825	Rp73.975	Rp74.200	Rp74.500	Rp74.875	Rp75.325	Rp75.850	Rp76.450	
25									Rp73.750	Rp73.825	Rp73.975	Rp74.200	Rp74.500	Rp74.875	Rp75.325	Rp75.850	
26										Rp73.750	Rp73.825	Rp73.975	Rp74.200	Rp74.500	Rp74.875	Rp75.325	
27											Rp73.750	Rp73.825	Rp73.975	Rp74.200	Rp74.500	Rp74.875	
28												Rp73.750	Rp73.825	Rp73.975	Rp74.200	Rp74.500	
29													Rp73.750	Rp73.825	Rp73.975	Rp74.200	
30														Rp73.750	Rp73.825	Rp73.975	
31															Rp73.750	Rp73.825	
32																Rp73.750	
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fn	Rp87.250	Rp90.119	Rp93.156	Rp96.363	Rp97.488	Rp98.669	Rp99.906	Rp101.200	Rp103.000	Rp104.875	Rp106.825	Rp108.850	Rp110.950	Rp113.125	Rp115.375	Rp117.700	

- Agen Kantor Pos Jenis AirKu cup

Matriks Biaya Total																	
O	e = 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp75.840	Rp80.020	Rp86.290	Rp93.928	Rp103.476	Rp114.933	Rp128.299	Rp137.267	Rp147.356	Rp158.566	Rp170.897	Rp190.505	Rp211.747	Rp234.623	Rp259.133	
2		Rp73.750	Rp75.840	Rp80.020	Rp85.749	Rp93.387	Rp102.934	Rp114.391	Rp122.238	Rp131.206	Rp141.295	Rp152.505	Rp170.479	Rp190.087	Rp211.329	Rp234.205	
3			Rp73.750	Rp75.840	Rp79.659	Rp85.388	Rp93.026	Rp102.573	Rp109.299	Rp117.146	Rp126.114	Rp136.203	Rp152.543	Rp170.517	Rp190.125	Rp211.367	
4				Rp73.750	Rp75.660	Rp79.479	Rp85.207	Rp92.845	Rp98.450	Rp105.176	Rp113.023	Rp121.991	Rp136.697	Rp153.037	Rp171.011	Rp190.619	
5					Rp73.750	Rp75.660	Rp79.479	Rp85.207	Rp89.691	Rp95.296	Rp102.022	Rp109.869	Rp122.941	Rp137.647	Rp153.987	Rp171.961	
6						Rp73.750	Rp75.660	Rp79.479	Rp82.842	Rp87.326	Rp92.931	Rp99.657	Rp111.095	Rp124.167	Rp138.873	Rp155.213	
7							Rp73.750	Rp75.660	Rp77.902	Rp81.265	Rp85.749	Rp91.354	Rp101.158	Rp112.596	Rp125.668	Rp140.374	
8								Rp73.750	Rp74.871	Rp77.113	Rp80.476	Rp84.960	Rp93.130	Rp102.934	Rp114.372	Rp127.444	
9									Rp73.750	Rp74.871	Rp77.113	Rp80.476	Rp87.012	Rp95.182	Rp104.986	Rp116.424	
10										Rp73.750	Rp74.871	Rp77.113	Rp82.015	Rp88.551	Rp96.721	Rp106.525	
11											Rp73.750	Rp74.871	Rp78.139	Rp83.041	Rp89.577	Rp97.747	
12												Rp73.750	Rp75.384	Rp78.652	Rp83.554	Rp90.090	
13													Rp73.750	Rp75.384	Rp78.652	Rp83.554	
14														Rp73.750	Rp75.384	Rp78.652	
15															Rp73.750	Rp75.384	
16																Rp73.750	
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fn	Rp73.750	Rp75.840	Rp80.020	Rp86.290	Rp93.928	Rp103.476	Rp114.933	Rp128.299	Rp137.267	Rp147.356	Rp158.566	Rp170.897	Rp190.505	Rp211.747	Rp229.143	Rp242.377	

Matriks Biaya Total																	
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
1	Rp332.853	Rp411.181	Rp494.116	Rp581.658	Rp682.738	Rp788.872	Rp900.060	Rp1.016.302	Rp1.073.758	Rp1.133.608	Rp1.195.852	Rp1.260.490	Rp1.373.274	Rp1.490.086	Rp1.610.926	Rp1.735.794	
2	Rp303.318	Rp377.038	Rp455.365	Rp538.300	Rp634.326	Rp735.406	Rp841.540	Rp952.728	Rp1.007.790	Rp1.065.246	Rp1.125.096	Rp1.187.340	Rp1.296.096	Rp1.408.880	Rp1.525.692	Rp1.646.532	
3	Rp275.872	Rp344.985	Rp418.705	Rp497.032	Rp588.004	Rp684.030	Rp785.110	Rp891.244	Rp943.912	Rp998.974	Rp1.056.430	Rp1.116.280	Rp1.221.008	Rp1.329.764	Rp1.442.548	Rp1.559.360	
4	Rp250.517	Rp315.022	Rp384.134	Rp457.854	Rp543.772	Rp634.744	Rp730.770	Rp831.850	Rp882.124	Rp934.792	Rp989.854	Rp1.047.310	Rp1.148.010	Rp1.252.738	Rp1.361.494	Rp1.474.278	
5	Rp227.251	Rp287.149	Rp351.654	Rp420.766	Rp501.630	Rp587.548	Rp678.520	Rp774.546	Rp822.426	Rp872.700	Rp925.368	Rp980.430	Rp1.077.102	Rp1.177.802	Rp1.282.530	Rp1.391.286	
6	Rp205.895	Rp261.185	Rp321.083	Rp385.588	Rp461.398	Rp542.262	Rp628.180	Rp719.152	Rp764.638	Rp812.518	Rp862.792	Rp915.460	Rp1.008.104	Rp1.104.776	Rp1.205.476	Rp1.310.204	
7	Rp186.449	Rp237.131	Rp292.421	Rp352.319	Rp423.075	Rp498.885	Rp579.749	Rp665.667	Rp708.759	Rp754.245	Rp802.125	Rp852.399	Rp941.015	Rp1.033.659	Rp1.130.331	Rp1.231.031	
8	Rp168.912	Rp214.987	Rp265.669	Rp320.959	Rp386.661	Rp457.417	Rp533.227	Rp614.091	Rp654.789	Rp697.881	Rp743.367	Rp791.247	Rp875.835	Rp964.451	Rp1.057.095	Rp1.153.767	
9	Rp153.284	Rp194.752	Rp240.827	Rp291.509	Rp352.157	Rp417.859	Rp488.615	Rp564.425	Rp602.729	Rp643.427	Rp686.519	Rp732.005	Rp812.565	Rp897.153	Rp985.769	Rp1.078.413	
10	Rp138.778	Rp175.638	Rp217.105	Rp263.180	Rp318.774	Rp379.422	Rp445.124	Rp515.880	Rp551.790	Rp590.094	Rp630.792	Rp673.884	Rp750.416	Rp830.976	Rp915.564	Rp1.004.180	
11	Rp125.392	Rp157.645	Rp194.505	Rp235.972	Rp286.512	Rp342.106	Rp402.754	Rp468.456	Rp501.972	Rp537.882	Rp576.186	Rp616.884	Rp689.388	Rp765.920	Rp846.480	Rp931.068	
12	Rp113.128	Rp140.773	Rp173.025	Rp209.885	Rp255.371	Rp305.911	Rp361.505	Rp422.153	Rp453.275	Rp486.791	Rp522.701	Rp561.005	Rp629.481	Rp701.985	Rp778.517	Rp859.077	
13	Rp101.984	Rp125.022	Rp152.667	Rp184.919	Rp225.351	Rp270.837	Rp321.377	Rp376.971	Rp405.699	Rp436.821	Rp470.337	Rp506.247	Rp570.695	Rp639.171	Rp711.675	Rp788.207	
14	Rp92.475	Rp110.905	Rp133.942	Rp161.587	Rp196.965	Rp237.397	Rp282.883	Rp333.423	Rp359.757	Rp388.485	Rp419.607	Rp453.123	Rp513.543	Rp577.991	Rp646.467	Rp718.971	
15	Rp84.599	Rp98.422	Rp116.852	Rp139.889	Rp170.213	Rp205.591	Rp246.023	Rp291.509	Rp315.449	Rp341.783	Rp370.511	Rp401.633	Rp458.025	Rp518.445	Rp582.893	Rp651.369	
16	Rp78.358	Rp87.573	Rp101.395	Rp119.825	Rp145.095	Rp175.419	Rp210.797	Rp251.229	Rp272.775	Rp296.715	Rp323.049	Rp351.777	Rp404.141	Rp460.533	Rp520.953	Rp585.401	
17	Rp73.750	Rp78.358	Rp87.573	Rp101.395	Rp121.611	Rp146.881	Rp177.205	Rp212.583	Rp231.735	Rp253.281	Rp277.221	Rp303.555	Rp351.891	Rp404.255	Rp460.647	Rp521.067	
18		Rp73.750	Rp78.358	Rp87.573	Rp102.735	Rp122.951	Rp148.221	Rp178.545	Rp195.303	Rp214.455	Rp236.001	Rp259.941	Rp304.249	Rp352.585	Rp404.949	Rp461.341	
19			Rp73.750	Rp78.358	Rp88.466	Rp103.628	Rp123.844	Rp149.114	Rp163.478	Rp180.236	Rp199.388	Rp220.934	Rp261.214	Rp305.522	Rp353.858	Rp406.222	
20				Rp73.750	Rp78.804	Rp88.912	Rp104.074	Rp124.290	Rp136.260	Rp150.624	Rp167.382	Rp186.534	Rp222.786	Rp263.066	Rp307.374	Rp355.710	
21					Rp73.750	Rp88.912	Rp104.074	Rp124.290	Rp136.260	Rp150.624	Rp167.382	Rp186.534	Rp222.786	Rp263.066	Rp307.374	Rp355.710	
22						Rp73.750	Rp88.912	Rp104.074	Rp124.290	Rp136.260	Rp150.624	Rp167.382	Rp186.534	Rp222.786	Rp263.066	Rp307.374	
23							Rp73.750	Rp88.912	Rp104.074	Rp124.290	Rp136.260	Rp150.624	Rp167.382	Rp186.534	Rp222.786	Rp263.066	
24								Rp73.750	Rp88.912	Rp104.074	Rp124.290	Rp136.260	Rp150.624	Rp167.382	Rp186.534	Rp222.786	
25									Rp73.750	Rp88.912	Rp104.074	Rp124.290	Rp136.260	Rp150.624	Rp167.382	Rp186.534	
26										Rp73.750	Rp88.912	Rp104.074	Rp124.290	Rp136.260	Rp150.624	Rp167.382	
27											Rp73.750	Rp88.912	Rp104.074	Rp124.290	Rp136.260	Rp150.624	
28												Rp73.750	Rp88.912	Rp104.074	Rp124.290	Rp136.260	
29													Rp73.750	Rp88.912	Rp104.074	Rp124.290	
30														Rp73.750	Rp88.912	Rp104.074	
31															Rp73.750	Rp88.912	
32																Rp73.750	
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fn	Rp271.694	Rp295.919	Rp323.564	Rp343.772	Rp363.988	Rp389.258	Rp419.582	Rp445.032	Rp457.422	Rp469.392	Rp481.628	Rp495.992	Rp524.188	Rp553.942	Rp579.546	Rp593.910	

- Agen Kantor Pos Jenis AirKu botol

Matriks Biaya Total																	
O	e = 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp73.975	Rp74.425	Rp75.100	Rp75.850	Rp76.788	Rp77.913	Rp79.225	Rp82.975	Rp87.194	Rp91.881	Rp97.038	Rp100.413	Rp104.069	Rp108.006	Rp112.225	
2		Rp73.750	Rp73.975	Rp74.425	Rp74.988	Rp75.738	Rp76.675	Rp77.800	Rp81.081	Rp84.831	Rp89.050	Rp93.738	Rp96.831	Rp100.206	Rp103.863	Rp107.800	
3			Rp73.750	Rp73.975	Rp74.350	Rp74.913	Rp75.663	Rp76.600	Rp79.413	Rp82.694	Rp86.444	Rp90.663	Rp93.475	Rp96.569	Rp99.944	Rp103.600	
4				Rp73.750	Rp73.938	Rp74.313	Rp74.875	Rp75.625	Rp77.969	Rp80.781	Rp84.063	Rp87.813	Rp90.344	Rp93.156	Rp96.250	Rp99.625	
5					Rp73.750	Rp73.938	Rp74.313	Rp74.875	Rp76.750	Rp79.094	Rp81.906	Rp85.188	Rp87.438	Rp89.969	Rp92.781	Rp95.875	
6						Rp73.750	Rp73.938	Rp74.313	Rp75.719	Rp77.594	Rp79.938	Rp82.750	Rp84.719	Rp86.969	Rp89.500	Rp92.313	
7							Rp73.750	Rp73.938	Rp74.875	Rp76.281	Rp78.156	Rp80.500	Rp82.188	Rp84.156	Rp86.406	Rp88.938	
8								Rp73.750	Rp74.219	Rp75.156	Rp76.563	Rp78.438	Rp79.844	Rp81.531	Rp83.500	Rp85.750	
9									Rp73.750	Rp74.219	Rp75.156	Rp76.563	Rp77.688	Rp79.094	Rp80.781	Rp82.750	
10										Rp73.750	Rp74.219	Rp75.156	Rp76.000	Rp77.125	Rp78.531	Rp80.219	
11											Rp73.750	Rp74.219	Rp74.781	Rp75.625	Rp76.750	Rp78.156	
12												Rp73.750	Rp74.031	Rp74.594	Rp75.438	Rp76.563	
13													Rp73.750	Rp74.031	Rp74.594	Rp75.438	
14														Rp73.750	Rp74.031	Rp74.594	
15															Rp73.750	Rp74.031	
16																Rp73.750	
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fn	Rp73.750	Rp73.975	Rp74.425	Rp75.100	Rp75.850	Rp76.788	Rp77.913	Rp79.225	Rp82.975	Rp87.194	Rp91.881	Rp97.038	Rp100.413	Rp104.069	Rp108.006	Rp112.225	

Matriks Biaya Total																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp119.725	Rp127.694	Rp136.131	Rp145.038	Rp149.163	Rp153.494	Rp158.031	Rp162.775	Rp171.325	Rp180.231	Rp189.494	Rp199.113	Rp208.563	Rp218.350	Rp228.475	Rp238.938
2	Rp114.831	Rp122.331	Rp130.300	Rp138.738	Rp142.656	Rp146.781	Rp151.113	Rp155.650	Rp163.844	Rp172.394	Rp181.300	Rp190.563	Rp199.675	Rp209.125	Rp218.913	Rp229.038
3	Rp110.163	Rp117.194	Rp124.694	Rp132.663	Rp136.375	Rp140.294	Rp144.419	Rp148.750	Rp156.588	Rp164.781	Rp173.331	Rp182.238	Rp191.013	Rp200.125	Rp209.575	Rp219.363
4	Rp105.719	Rp112.281	Rp119.313	Rp126.813	Rp130.319	Rp134.031	Rp137.950	Rp142.075	Rp149.556	Rp157.394	Rp165.588	Rp174.138	Rp182.575	Rp191.350	Rp200.463	Rp209.913
5	Rp101.500	Rp107.594	Rp114.156	Rp121.188	Rp124.488	Rp127.994	Rp131.706	Rp135.625	Rp142.750	Rp150.231	Rp158.069	Rp166.263	Rp174.363	Rp182.800	Rp191.575	Rp200.688
6	Rp97.469	Rp103.094	Rp109.188	Rp115.750	Rp118.844	Rp122.144	Rp125.650	Rp129.363	Rp136.131	Rp143.256	Rp150.738	Rp158.575	Rp166.338	Rp174.438	Rp182.875	Rp191.650
7	Rp93.625	Rp98.781	Rp104.406	Rp110.500	Rp113.388	Rp116.481	Rp119.781	Rp123.288	Rp129.700	Rp136.469	Rp143.594	Rp151.075	Rp158.500	Rp166.263	Rp174.363	Rp182.800
8	Rp89.969	Rp94.656	Rp99.813	Rp105.438	Rp108.119	Rp111.006	Rp114.100	Rp117.400	Rp123.456	Rp129.869	Rp136.638	Rp143.763	Rp150.850	Rp158.275	Rp166.038	Rp174.138
9	Rp86.500	Rp90.719	Rp95.406	Rp100.563	Rp103.038	Rp105.719	Rp108.606	Rp111.700	Rp117.400	Rp123.456	Rp129.869	Rp136.638	Rp143.388	Rp150.475	Rp157.900	Rp165.663
10	Rp83.500	Rp87.250	Rp91.469	Rp96.156	Rp98.425	Rp100.900	Rp103.581	Rp106.469	Rp111.813	Rp117.513	Rp123.569	Rp129.981	Rp136.394	Rp143.144	Rp150.231	Rp157.656
11	Rp80.969	Rp84.250	Rp88.000	Rp92.219	Rp94.281	Rp96.550	Rp99.025	Rp101.706	Rp106.694	Rp112.038	Rp117.738	Rp123.794	Rp129.869	Rp136.281	Rp143.031	Rp150.119
12	Rp78.906	Rp81.719	Rp85.000	Rp88.750	Rp90.606	Rp92.669	Rp94.938	Rp97.413	Rp102.044	Rp107.031	Rp112.375	Rp118.075	Rp123.813	Rp129.888	Rp136.300	Rp143.050
13	Rp77.313	Rp79.656	Rp82.469	Rp85.750	Rp87.400	Rp89.256	Rp91.319	Rp93.588	Rp97.863	Rp102.494	Rp107.481	Rp112.825	Rp118.225	Rp123.963	Rp130.038	Rp136.450
14	Rp76.000	Rp77.875	Rp80.219	Rp83.031	Rp84.475	Rp86.125	Rp87.981	Rp90.044	Rp93.963	Rp98.238	Rp102.869	Rp107.856	Rp112.919	Rp118.319	Rp124.056	Rp130.131
15	Rp74.969	Rp76.375	Rp78.250	Rp80.594	Rp81.831	Rp83.275	Rp84.925	Rp86.781	Rp90.344	Rp94.263	Rp98.538	Rp103.169	Rp107.894	Rp112.956	Rp118.356	Rp124.094
16	Rp74.219	Rp75.156	Rp76.563	Rp78.438	Rp79.469	Rp80.706	Rp82.150	Rp83.800	Rp87.006	Rp90.569	Rp94.488	Rp98.763	Rp103.150	Rp107.875	Rp112.938	Rp118.338
17	Rp73.750	Rp74.219	Rp75.156	Rp76.563	Rp77.388	Rp78.419	Rp79.656	Rp81.100	Rp83.950	Rp87.156	Rp90.719	Rp94.638	Rp98.688	Rp103.075	Rp107.800	Rp112.863
18		Rp73.750	Rp74.219	Rp75.156	Rp75.775	Rp76.600	Rp77.631	Rp78.869	Rp81.363	Rp84.213	Rp87.419	Rp90.981	Rp94.694	Rp98.744	Rp103.131	Rp107.856
19			Rp73.750	Rp74.219	Rp74.631	Rp75.250	Rp76.075	Rp77.106	Rp79.244	Rp81.738	Rp84.588	Rp87.794	Rp91.169	Rp94.881	Rp98.931	Rp103.319
20				Rp73.750	Rp73.956	Rp74.369	Rp74.988	Rp75.813	Rp77.594	Rp79.731	Rp82.225	Rp85.075	Rp88.113	Rp91.488	Rp95.200	Rp99.250
21					Rp73.750	Rp73.956	Rp74.369	Rp74.988	Rp76.413	Rp78.194	Rp80.331	Rp82.825	Rp85.525	Rp88.563	Rp91.938	Rp95.650
22						Rp73.750	Rp73.956	Rp74.369	Rp75.438	Rp76.863	Rp78.644	Rp80.781	Rp83.144	Rp85.844	Rp88.881	Rp92.256
23							Rp73.750	Rp73.956	Rp74.669	Rp75.738	Rp77.163	Rp78.944	Rp80.969	Rp83.331	Rp86.031	Rp89.069
24								Rp73.750	Rp74.106	Rp74.819	Rp75.888	Rp77.313	Rp79.000	Rp81.025	Rp83.388	Rp86.088
25									Rp73.750	Rp74.106	Rp74.819	Rp75.888	Rp77.238	Rp78.925	Rp80.950	Rp83.313
26										Rp73.750	Rp74.106	Rp74.819	Rp75.831	Rp77.181	Rp78.869	Rp80.894
27											Rp73.750	Rp74.106	Rp74.781	Rp75.794	Rp77.144	Rp78.831
28												Rp73.750	Rp74.088	Rp74.763	Rp75.775	Rp77.125
29													Rp73.750	Rp74.088	Rp74.763	Rp75.775
30														Rp73.750	Rp74.088	Rp74.763
31															Rp73.750	Rp74.088
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fn	Rp119.725	Rp127.694	Rp136.131	Rp145.038	Rp149.163	Rp153.494	Rp158.031	Rp162.775	Rp171.325	Rp180.231	Rp189.494	Rp199.113	Rp208.563	Rp215.300	Rp220.025	Rp225.088

- Agen Kantor Pos Jenis AirKu galon

Matriks Biaya Total																	
O	e = 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750																
2		Rp73.856															
3			Rp74.069														
4				Rp74.388													
5					Rp74.988												
6						Rp75.738											
7							Rp76.638										
8								Rp77.688									
9									Rp78.938								
10										Rp80.344							
11											Rp81.906						
12												Rp83.625					
13													Rp85.275				
14														Rp87.063			
15															Rp88.988		
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fn	Rp73.750	Rp73.856	Rp74.069	Rp74.388	Rp74.988	Rp75.738	Rp76.638	Rp77.688	Rp78.938	Rp80.344	Rp81.906	Rp83.625	Rp85.275	Rp87.063	Rp88.988	Rp91.050	

Matriks Biaya Total																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp93.150	Rp95.381	Rp97.744	Rp100.238	Rp103.238	Rp106.388	Rp109.688	Rp113.138	Rp115.838	Rp118.650	Rp121.575	Rp124.613	Rp129.163	Rp133.875	Rp138.750	Rp143.788
2	Rp90.925	Rp93.025	Rp95.256	Rp97.619	Rp100.469	Rp103.469	Rp106.619	Rp109.919	Rp112.506	Rp115.206	Rp118.019	Rp120.944	Rp125.331	Rp129.881	Rp134.594	Rp139.469
3	Rp88.806	Rp90.775	Rp92.875	Rp95.106	Rp97.806	Rp100.656	Rp103.656	Rp106.806	Rp109.281	Rp111.869	Rp114.569	Rp117.381	Rp121.606	Rp125.994	Rp130.544	Rp135.256
4	Rp86.794	Rp88.631	Rp90.600	Rp92.700	Rp95.250	Rp97.950	Rp100.800	Rp103.800	Rp106.163	Rp108.638	Rp111.225	Rp113.925	Rp117.988	Rp122.213	Rp126.600	Rp131.150
5	Rp84.888	Rp86.594	Rp88.431	Rp90.400	Rp92.800	Rp95.350	Rp98.050	Rp100.900	Rp103.150	Rp105.513	Rp107.988	Rp110.575	Rp114.475	Rp118.538	Rp122.763	Rp127.150
6	Rp83.131	Rp84.706	Rp86.413	Rp88.250	Rp90.500	Rp92.900	Rp95.450	Rp98.150	Rp100.288	Rp102.538	Rp104.900	Rp107.375	Rp111.113	Rp115.013	Rp119.075	Rp123.300
7	Rp81.525	Rp82.969	Rp84.544	Rp86.250	Rp88.350	Rp90.600	Rp93.000	Rp95.550	Rp97.575	Rp99.713	Rp101.963	Rp104.325	Rp107.900	Rp111.638	Rp115.538	Rp119.600
8	Rp80.069	Rp81.381	Rp82.825	Rp84.400	Rp86.350	Rp88.450	Rp90.700	Rp93.100	Rp95.013	Rp97.038	Rp99.175	Rp101.425	Rp104.838	Rp108.413	Rp112.150	Rp116.050
9	Rp78.763	Rp79.944	Rp81.256	Rp82.700	Rp84.500	Rp86.450	Rp88.550	Rp90.800	Rp92.600	Rp94.513	Rp96.538	Rp98.675	Rp101.925	Rp105.338	Rp108.913	Rp112.650
10	Rp77.613	Rp78.663	Rp79.844	Rp81.156	Rp82.806	Rp84.606	Rp86.556	Rp88.656	Rp90.344	Rp92.144	Rp94.056	Rp96.081	Rp99.169	Rp102.419	Rp105.831	Rp109.406
11	Rp76.619	Rp77.538	Rp78.588	Rp79.769	Rp81.269	Rp82.919	Rp84.719	Rp86.669	Rp88.244	Rp89.931	Rp91.731	Rp93.644	Rp96.569	Rp99.656	Rp102.906	Rp106.319
12	Rp75.781	Rp76.569	Rp77.488	Rp78.538	Rp79.888	Rp81.388	Rp83.038	Rp84.838	Rp86.300	Rp87.875	Rp89.563	Rp91.363	Rp94.125	Rp97.050	Rp100.138	Rp103.388
13	Rp75.100	Rp75.756	Rp76.544	Rp77.463	Rp78.663	Rp80.013	Rp81.513	Rp83.163	Rp84.513	Rp85.975	Rp87.550	Rp89.238	Rp91.838	Rp94.600	Rp97.525	Rp100.613
14	Rp74.556	Rp75.081	Rp75.738	Rp76.525	Rp77.575	Rp78.775	Rp80.125	Rp81.625	Rp82.863	Rp84.213	Rp85.675	Rp87.250	Rp89.688	Rp92.288	Rp95.050	Rp97.975
15	Rp74.150	Rp74.544	Rp75.069	Rp75.725	Rp76.625	Rp77.675	Rp78.875	Rp80.225	Rp81.350	Rp82.588	Rp83.938	Rp85.400	Rp87.675	Rp90.113	Rp92.713	Rp95.475
16	Rp73.881	Rp74.144	Rp74.538	Rp75.063	Rp75.813	Rp76.713	Rp77.763	Rp78.963	Rp79.975	Rp81.100	Rp82.338	Rp83.688	Rp85.800	Rp88.075	Rp90.513	Rp93.113
17	Rp73.750	Rp73.881	Rp74.144	Rp74.538	Rp75.138	Rp75.888	Rp76.788	Rp77.838	Rp78.738	Rp79.750	Rp80.875	Rp82.113	Rp84.063	Rp86.175	Rp88.450	Rp90.888
18		Rp73.750	Rp73.881	Rp74.144	Rp74.594	Rp75.194	Rp75.944	Rp76.844	Rp77.631	Rp78.531	Rp79.544	Rp80.669	Rp82.456	Rp84.406	Rp86.519	Rp88.794
19			Rp73.750	Rp73.881	Rp74.181	Rp74.631	Rp75.231	Rp75.981	Rp76.656	Rp77.444	Rp78.344	Rp79.356	Rp80.981	Rp82.769	Rp84.719	Rp86.831
20				Rp73.750	Rp73.900	Rp74.200	Rp74.650	Rp75.250	Rp75.813	Rp76.488	Rp77.275	Rp78.175	Rp79.638	Rp81.263	Rp83.050	Rp85.000
21					Rp73.750	Rp73.900	Rp74.200	Rp74.650	Rp75.100	Rp75.663	Rp76.338	Rp77.125	Rp78.425	Rp79.888	Rp81.513	Rp83.300
22						Rp73.750	Rp73.900	Rp74.200	Rp74.538	Rp74.988	Rp75.550	Rp76.225	Rp77.363	Rp78.663	Rp80.125	Rp81.750
23							Rp73.750	Rp73.900	Rp74.125	Rp74.463	Rp74.913	Rp75.475	Rp76.450	Rp77.588	Rp78.888	Rp80.350
24								Rp73.750	Rp73.863	Rp74.088	Rp74.425	Rp74.875	Rp75.688	Rp76.663	Rp77.800	Rp79.100
25									Rp73.750	Rp73.863	Rp74.088	Rp74.425	Rp75.075	Rp75.888	Rp76.863	Rp78.000
26										Rp73.750	Rp73.863	Rp74.088	Rp74.575	Rp75.225	Rp76.038	Rp77.013
27											Rp73.750	Rp73.863	Rp74.188	Rp74.675	Rp75.325	Rp76.138
28												Rp73.750	Rp73.913	Rp74.238	Rp74.725	Rp75.375
29													Rp73.750	Rp73.913	Rp74.238	Rp74.725
30														Rp73.750	Rp73.913	Rp74.238
31															Rp73.750	Rp73.913
32																Rp73.750
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fn	Rp93.150	Rp95.381	Rp97.744	Rp100.238	Rp103.238	Rp106.388	Rp109.688	Rp113.138	Rp115.838	Rp118.650	Rp121.575	Rp124.613	Rp129.163	Rp133.875	Rp138.750	Rp143.788

- Agen Umar Jenis AirKu cup

Matriks Biaya Total																	
O	e = 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
1	Rp73.750	Rp80.144	Rp92.931	Rp112.111	Rp159.269	Rp218.217	Rp288.954	Rp371.480	Rp468.228	Rp577.070	Rp698.005	Rp831.033	Rp1.013.775	Rp1.211.746	Rp1.424.945	Rp1.653.372	
2		Rp73.750	Rp80.144	Rp92.931	Rp128.299	Rp175.457	Rp234.405	Rp305.142	Rp389.796	Rp486.544	Rp595.386	Rp716.321	Rp883.834	Rp1.066.576	Rp1.264.547	Rp1.477.746	
3			Rp73.750	Rp80.144	Rp103.723	Rp139.091	Rp186.249	Rp245.197	Rp317.758	Rp402.412	Rp499.160	Rp608.002	Rp760.287	Rp927.800	Rp1.110.542	Rp1.308.513	
4				Rp73.750	Rp85.540	Rp109.119	Rp144.487	Rp191.645	Rp252.113	Rp324.674	Rp409.328	Rp506.076	Rp643.133	Rp795.418	Rp962.931	Rp1.145.673	
5					Rp73.750	Rp85.540	Rp109.119	Rp144.487	Rp192.861	Rp253.329	Rp325.890	Rp410.544	Rp532.372	Rp669.429	Rp821.714	Rp989.227	
6						Rp73.750	Rp85.540	Rp109.119	Rp145.399	Rp193.773	Rp254.241	Rp326.802	Rp433.401	Rp555.229	Rp692.286	Rp844.571	
7							Rp73.750	Rp85.540	Rp109.727	Rp146.007	Rp194.381	Rp254.849	Rp346.220	Rp452.819	Rp574.647	Rp711.704	
8								Rp73.750	Rp85.844	Rp110.031	Rp146.311	Rp194.685	Rp270.828	Rp362.199	Rp468.798	Rp590.626	
9									Rp73.750	Rp85.844	Rp110.031	Rp146.311	Rp207.225	Rp283.368	Rp374.739	Rp481.338	
10										Rp73.750	Rp85.844	Rp110.031	Rp155.716	Rp216.630	Rp292.773	Rp384.144	
11											Rp73.750	Rp85.844	Rp116.301	Rp161.986	Rp222.900	Rp299.043	
12												Rp73.750	Rp88.979	Rp119.436	Rp165.121	Rp226.035	
13													Rp73.750	Rp88.979	Rp119.436	Rp165.121	
14														Rp73.750	Rp88.979	Rp119.436	
15															Rp73.750	Rp88.979	
16																Rp73.750	
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fn	Rp73.750	Rp80.144	Rp92.931	Rp112.111	Rp159.269	Rp197.651	Rp221.230	Rp256.598	Rp304.668	Rp331.260	Rp366.629	Rp402.909	Rp447.561	Rp486.064	Rp522.345	Rp566.996	

Matriks Biaya Total																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp1.840.788	Rp2.039.918	Rp2.250.761	Rp2.473.317	Rp2.753.377	Rp3.047.440	Rp3.355.506	Rp3.677.575	Rp4.064.491	Rp4.467.529	Rp4.886.688	Rp5.321.968	Rp5.708.200	Rp6.108.226	Rp6.522.046	Rp6.949.660
2	Rp1.653.448	Rp1.840.864	Rp2.039.994	Rp2.250.837	Rp2.516.894	Rp2.796.954	Rp3.091.017	Rp3.399.083	Rp3.769.877	Rp4.156.793	Rp4.559.831	Rp4.978.990	Rp5.351.428	Rp5.737.660	Rp6.137.686	Rp6.551.506
3	Rp1.472.502	Rp1.648.204	Rp1.835.620	Rp2.034.750	Rp2.286.804	Rp2.552.861	Rp2.832.921	Rp3.126.984	Rp3.481.657	Rp3.852.451	Rp4.239.367	Rp4.642.405	Rp5.001.049	Rp5.373.487	Rp5.759.719	Rp6.159.745
4	Rp1.297.949	Rp1.461.938	Rp1.637.640	Rp1.825.056	Rp2.063.107	Rp2.315.161	Rp2.581.218	Rp2.861.278	Rp3.199.830	Rp3.554.503	Rp3.925.297	Rp4.312.213	Rp4.657.063	Rp5.015.707	Rp5.388.145	Rp5.774.377
5	Rp1.129.789	Rp1.282.065	Rp1.446.054	Rp1.621.756	Rp1.845.804	Rp2.083.855	Rp2.335.909	Rp2.601.966	Rp2.924.396	Rp3.262.948	Rp3.617.621	Rp3.988.415	Rp4.319.471	Rp4.664.321	Rp5.022.965	Rp5.395.403
6	Rp973.419	Rp1.113.981	Rp1.266.257	Rp1.430.246	Rp1.640.291	Rp1.864.339	Rp2.102.390	Rp2.354.444	Rp2.660.752	Rp2.983.182	Rp3.321.734	Rp3.676.407	Rp3.993.669	Rp4.324.725	Rp4.669.575	Rp5.028.219
7	Rp828.839	Rp957.687	Rp1.098.249	Rp1.250.525	Rp1.446.567	Rp1.656.612	Rp1.880.660	Rp2.118.711	Rp2.408.898	Rp2.715.206	Rp3.037.636	Rp3.376.188	Rp3.679.656	Rp3.996.918	Rp4.327.974	Rp4.672.824
8	Rp696.048	Rp813.183	Rp942.031	Rp1.082.593	Rp1.264.632	Rp1.460.674	Rp1.670.719	Rp1.894.767	Rp2.168.833	Rp2.459.020	Rp2.765.328	Rp3.087.758	Rp3.377.432	Rp3.680.900	Rp3.998.162	Rp4.329.218
9	Rp575.046	Rp680.468	Rp797.603	Rp926.451	Rp1.094.487	Rp1.276.526	Rp1.472.568	Rp1.682.613	Rp1.940.557	Rp2.214.623	Rp2.504.810	Rp2.811.118	Rp3.086.998	Rp3.376.672	Rp3.680.140	Rp3.997.402
10	Rp466.138	Rp559.846	Rp665.268	Rp782.403	Rp936.436	Rp1.104.472	Rp1.286.511	Rp1.482.553	Rp1.724.375	Rp1.982.319	Rp2.256.385	Rp2.546.572	Rp2.808.658	Rp3.084.538	Rp3.374.212	Rp3.677.680
11	Rp369.324	Rp451.318	Rp545.026	Rp650.448	Rp790.478	Rp944.511	Rp1.112.547	Rp1.294.586	Rp1.520.287	Rp1.762.109	Rp2.020.053	Rp2.294.119	Rp2.542.411	Rp2.804.497	Rp3.080.377	Rp3.370.051
12	Rp284.603	Rp354.884	Rp436.878	Rp530.586	Rp656.613	Rp796.643	Rp950.676	Rp1.118.712	Rp1.328.292	Rp1.553.993	Rp1.795.815	Rp2.053.759	Rp2.288.257	Rp2.536.549	Rp2.798.635	Rp3.074.515
13	Rp211.975	Rp270.543	Rp340.824	Rp422.818	Rp534.842	Rp660.869	Rp800.899	Rp954.932	Rp1.148.390	Rp1.357.970	Rp1.583.671	Rp1.825.493	Rp2.046.197	Rp2.280.695	Rp2.528.987	Rp2.791.073
14	Rp154.576	Rp201.430	Rp259.998	Rp330.279	Rp428.300	Rp540.324	Rp666.351	Rp806.381	Rp983.717	Rp1.177.175	Rp1.386.755	Rp1.612.456	Rp1.819.366	Rp2.040.070	Rp2.274.568	Rp2.522.860
15	Rp112.406	Rp147.546	Rp194.400	Rp252.968	Rp336.986	Rp435.007	Rp547.031	Rp673.058	Rp834.273	Rp1.011.609	Rp1.205.067	Rp1.414.647	Rp1.607.763	Rp1.814.673	Rp2.035.377	Rp2.269.875
16	Rp85.464	Rp108.891	Rp144.031	Rp190.885	Rp260.900	Rp344.918	Rp442.939	Rp554.963	Rp700.057	Rp861.272	Rp1.038.608	Rp1.232.066	Rp1.411.388	Rp1.604.504	Rp1.811.414	Rp2.032.118
17	Rp73.750	Rp85.464	Rp108.891	Rp144.031	Rp200.043	Rp270.058	Rp354.076	Rp452.097	Rp581.069	Rp726.163	Rp887.378	Rp1.064.714	Rp1.230.242	Rp1.409.564	Rp1.602.680	Rp1.809.590
18		Rp73.750	Rp85.464	Rp108.891	Rp150.900	Rp206.912	Rp276.927	Rp360.945	Rp473.795	Rp602.767	Rp747.861	Rp909.076	Rp1.060.810	Rp1.226.338	Rp1.405.660	Rp1.598.776
19			Rp73.750	Rp85.464	Rp113.470	Rp155.479	Rp211.491	Rp281.506	Rp378.235	Rp491.085	Rp620.057	Rp765.151	Rp903.091	Rp1.054.825	Rp1.220.353	Rp1.399.675
20				Rp73.750	Rp87.753	Rp115.759	Rp157.768	Rp213.780	Rp294.388	Rp391.117	Rp503.967	Rp632.939	Rp757.085	Rp895.025	Rp1.046.759	Rp1.212.287
21					Rp73.750	Rp87.753	Rp115.759	Rp157.768	Rp222.254	Rp302.862	Rp399.591	Rp512.441	Rp622.793	Rp746.939	Rp884.879	Rp1.036.613
22						Rp73.750	Rp87.753	Rp115.759	Rp164.124	Rp228.610	Rp309.217	Rp405.946	Rp502.504	Rp612.856	Rp737.002	Rp874.942
23							Rp73.750	Rp87.753	Rp119.996	Rp168.361	Rp232.847	Rp313.454	Rp396.218	Rp492.776	Rp603.128	Rp727.274
24								Rp73.750	Rp89.872	Rp122.115	Rp170.479	Rp234.965	Rp303.935	Rp386.699	Rp483.257	Rp593.609
25									Rp73.750	Rp89.872	Rp122.115	Rp170.479	Rp225.655	Rp294.625	Rp377.389	Rp473.947
26										Rp73.750	Rp89.872	Rp122.115	Rp163.497	Rp218.673	Rp287.643	Rp370.407
27											Rp73.750	Rp89.872	Rp117.460	Rp158.842	Rp214.018	Rp282.988
28												Rp73.750	Rp87.544	Rp115.132	Rp156.514	Rp211.690
29													Rp73.750	Rp87.544	Rp115.132	Rp156.514
30														Rp73.750	Rp87.544	Rp115.132
31															Rp73.750	Rp87.544
32																Rp73.750
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fn	Rp598.470	Rp631.235	Rp666.376	Rp707.360	Rp744.705	Rp782.135	Rp823.119	Rp860.464	Rp902.131	Rp945.234	Rp982.578	Rp1.024.245	Rp1.062.693	Rp1.097.710	Rp1.139.092	Rp1.177.825

- Agen Umar Jenis AirKu botol

Matriks Biaya Total																	
O	e = 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp74.406	Rp75.719	Rp77.688	Rp82.863	Rp89.331	Rp97.094	Rp106.150	Rp114.850	Rp124.638	Rp135.513	Rp147.475	Rp158.725	Rp170.913	Rp184.038	Rp198.100	
2		Rp73.750	Rp74.406	Rp75.719	Rp79.600	Rp84.775	Rp91.244	Rp99.006	Rp106.619	Rp115.319	Rp125.106	Rp135.981	Rp146.294	Rp157.544	Rp169.731	Rp182.856	
3			Rp73.750	Rp74.406	Rp76.994	Rp80.875	Rp86.050	Rp92.519	Rp99.044	Rp106.656	Rp115.356	Rp125.144	Rp134.519	Rp144.831	Rp156.081	Rp168.269	
4				Rp73.750	Rp75.044	Rp77.631	Rp81.513	Rp86.688	Rp92.125	Rp98.650	Rp106.263	Rp114.963	Rp123.400	Rp132.775	Rp143.088	Rp154.338	
5					Rp73.750	Rp75.044	Rp77.631	Rp81.513	Rp85.863	Rp91.300	Rp97.825	Rp105.438	Rp112.938	Rp121.375	Rp130.750	Rp141.063	
6						Rp73.750	Rp75.044	Rp77.631	Rp80.894	Rp85.244	Rp90.681	Rp97.206	Rp103.769	Rp111.269	Rp119.706	Rp129.081	
7							Rp73.750	Rp75.044	Rp77.219	Rp80.481	Rp84.831	Rp90.269	Rp95.894	Rp102.456	Rp109.956	Rp118.394	
8								Rp73.750	Rp74.838	Rp77.013	Rp80.275	Rp84.625	Rp89.313	Rp94.938	Rp101.500	Rp109.000	
9									Rp73.750	Rp74.838	Rp77.013	Rp80.275	Rp84.025	Rp88.713	Rp94.338	Rp100.900	
10										Rp73.750	Rp74.838	Rp77.013	Rp79.825	Rp83.575	Rp88.263	Rp93.888	
11											Rp73.750	Rp74.838	Rp76.713	Rp79.525	Rp83.275	Rp87.963	
12												Rp73.750	Rp74.688	Rp76.563	Rp79.375	Rp83.125	
13													Rp73.750	Rp74.688	Rp76.563	Rp79.375	
14														Rp73.750	Rp74.688	Rp76.563	
15															Rp73.750	Rp74.688	
16																Rp73.750	
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fn	Rp73.750	Rp74.406	Rp75.719	Rp77.688	Rp82.863	Rp89.331	Rp97.094	Rp106.150	Rp114.850	Rp124.638	Rp135.513	Rp147.475	Rp158.725	Rp170.913	Rp184.038	Rp198.100	

Matriks Biaya Total																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp217.300	Rp237.700	Rp259.300	Rp282.100	Rp300.100	Rp319.000	Rp338.800	Rp359.500	Rp376.600	Rp394.413	Rp412.938	Rp432.175	Rp452.650	Rp473.856	Rp495.794	Rp518.463
2	Rp200.856	Rp220.056	Rp240.456	Rp262.056	Rp279.156	Rp297.156	Rp316.056	Rp335.856	Rp352.244	Rp369.344	Rp387.156	Rp405.681	Rp425.425	Rp445.900	Rp467.106	Rp489.044
3	Rp185.069	Rp203.069	Rp222.269	Rp242.669	Rp258.869	Rp275.969	Rp293.969	Rp312.869	Rp328.544	Rp344.931	Rp362.031	Rp379.844	Rp398.856	Rp418.600	Rp439.075	Rp460.281
4	Rp169.938	Rp186.738	Rp204.738	Rp223.938	Rp239.238	Rp255.438	Rp272.538	Rp290.538	Rp305.500	Rp321.175	Rp337.563	Rp354.663	Rp372.944	Rp391.956	Rp411.700	Rp432.175
5	Rp155.463	Rp171.063	Rp187.863	Rp205.863	Rp220.263	Rp235.563	Rp251.763	Rp268.863	Rp283.113	Rp298.075	Rp313.750	Rp330.138	Rp347.688	Rp365.969	Rp384.981	Rp404.725
6	Rp142.281	Rp156.681	Rp172.281	Rp189.081	Rp202.581	Rp216.981	Rp232.281	Rp248.481	Rp262.019	Rp276.269	Rp291.231	Rp306.906	Rp323.725	Rp341.275	Rp359.556	Rp378.569
7	Rp130.394	Rp143.594	Rp157.994	Rp173.594	Rp186.194	Rp199.694	Rp214.094	Rp229.394	Rp242.219	Rp255.756	Rp270.006	Rp284.969	Rp301.056	Rp317.875	Rp335.425	Rp353.706
8	Rp119.800	Rp131.800	Rp145.000	Rp159.400	Rp171.100	Rp183.700	Rp197.200	Rp211.600	Rp223.713	Rp236.538	Rp250.075	Rp264.325	Rp279.681	Rp295.769	Rp312.588	Rp330.138
9	Rp110.500	Rp121.300	Rp133.300	Rp146.500	Rp157.300	Rp169.000	Rp181.600	Rp195.100	Rp206.500	Rp218.613	Rp231.438	Rp244.975	Rp259.600	Rp274.956	Rp291.044	Rp307.863
10	Rp102.288	Rp111.888	Rp122.688	Rp134.688	Rp144.588	Rp155.388	Rp167.088	Rp179.688	Rp190.375	Rp201.775	Rp213.888	Rp226.713	Rp240.606	Rp255.231	Rp270.588	Rp286.675
11	Rp95.163	Rp103.563	Rp113.163	Rp123.963	Rp132.963	Rp142.863	Rp153.663	Rp165.363	Rp175.338	Rp186.025	Rp197.425	Rp209.538	Rp222.700	Rp236.594	Rp251.219	Rp266.575
12	Rp89.125	Rp96.325	Rp104.725	Rp114.325	Rp122.425	Rp131.425	Rp141.325	Rp152.125	Rp161.388	Rp171.363	Rp182.050	Rp193.450	Rp205.881	Rp219.044	Rp232.938	Rp247.563
13	Rp84.175	Rp90.175	Rp97.375	Rp105.775	Rp112.975	Rp121.075	Rp130.075	Rp139.975	Rp148.525	Rp157.788	Rp167.763	Rp178.450	Rp190.150	Rp202.581	Rp215.744	Rp229.638
14	Rp80.163	Rp84.963	Rp90.963	Rp98.163	Rp104.463	Rp111.663	Rp119.763	Rp128.763	Rp136.600	Rp145.150	Rp154.413	Rp164.388	Rp175.356	Rp187.056	Rp199.488	Rp212.650
15	Rp77.088	Rp80.688	Rp85.488	Rp91.488	Rp96.888	Rp103.188	Rp110.388	Rp118.488	Rp125.613	Rp133.450	Rp142.000	Rp151.263	Rp161.500	Rp172.469	Rp184.169	Rp196.600
16	Rp74.950	Rp77.350	Rp80.950	Rp85.750	Rp90.250	Rp95.650	Rp101.950	Rp109.150	Rp115.563	Rp122.688	Rp130.525	Rp139.075	Rp148.581	Rp158.819	Rp169.788	Rp181.488
17	Rp73.750	Rp74.950	Rp77.350	Rp80.950	Rp84.550	Rp89.050	Rp94.450	Rp100.750	Rp106.450	Rp112.863	Rp119.988	Rp127.825	Rp136.600	Rp146.106	Rp156.344	Rp167.313
18		Rp73.750	Rp74.950	Rp77.350	Rp80.050	Rp83.650	Rp88.150	Rp93.550	Rp98.538	Rp104.238	Rp110.650	Rp117.775	Rp125.819	Rp134.594	Rp144.100	Rp154.338
19			Rp73.750	Rp74.950	Rp76.750	Rp79.450	Rp83.050	Rp87.550	Rp91.825	Rp96.813	Rp102.513	Rp108.925	Rp116.238	Rp124.281	Rp133.056	Rp142.563
20				Rp73.750	Rp74.650	Rp76.450	Rp79.150	Rp82.750	Rp86.313	Rp90.588	Rp95.575	Rp101.275	Rp107.856	Rp115.169	Rp123.213	Rp131.988
21					Rp73.750	Rp74.650	Rp76.450	Rp79.150	Rp82.000	Rp85.563	Rp89.838	Rp94.825	Rp100.675	Rp107.256	Rp114.569	Rp122.613
22						Rp73.750	Rp74.650	Rp76.450	Rp78.588	Rp81.438	Rp85.000	Rp89.275	Rp94.394	Rp100.244	Rp106.825	Rp114.138
23							Rp73.750	Rp74.650	Rp76.075	Rp78.213	Rp81.063	Rp84.625	Rp89.013	Rp94.131	Rp99.981	Rp106.563
24								Rp73.750	Rp74.463	Rp75.888	Rp78.025	Rp80.875	Rp84.531	Rp88.919	Rp94.038	Rp99.888
25									Rp73.750	Rp74.463	Rp75.888	Rp78.025	Rp80.950	Rp84.606	Rp88.994	Rp94.113
26										Rp73.750	Rp74.463	Rp75.888	Rp78.081	Rp81.006	Rp84.663	Rp89.050
27											Rp73.750	Rp74.463	Rp75.925	Rp78.119	Rp81.044	Rp84.700
28												Rp73.750	Rp74.481	Rp75.944	Rp78.138	Rp81.063
29													Rp73.750	Rp74.481	Rp75.944	Rp78.138
30														Rp73.750	Rp74.481	Rp75.944
31															Rp73.750	Rp74.481
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fn	Rp216.650	Rp226.738	Rp237.538	Rp248.600	Rp257.600	Rp266.938	Rp276.838	Rp287.450	Rp295.325	Rp303.875	Rp312.913	Rp322.175	Rp332.413	Rp342.856	Rp353.825	Rp365.413

- Agen Umar AirKu galon

Matriks Biaya Total																	
O	e = 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp74.438	Rp75.813	Rp77.875	Rp78.900	Rp80.181	Rp81.719	Rp83.513	Rp88.763	Rp94.669	Rp101.231	Rp108.450	Rp114.900	Rp121.888	Rp129.413	Rp137.475	
2		Rp73.750	Rp74.438	Rp75.813	Rp76.581	Rp77.606	Rp78.888	Rp80.425	Rp85.019	Rp90.269	Rp96.175	Rp102.738	Rp108.650	Rp115.100	Rp122.088	Rp129.613	
3			Rp73.750	Rp74.438	Rp74.950	Rp75.719	Rp76.744	Rp78.025	Rp81.963	Rp86.556	Rp91.806	Rp97.713	Rp103.088	Rp109.000	Rp115.450	Rp122.438	
4				Rp73.750	Rp74.006	Rp74.519	Rp75.288	Rp76.313	Rp79.594	Rp83.531	Rp88.125	Rp93.375	Rp98.213	Rp103.588	Rp109.500	Rp115.950	
5					Rp73.750	Rp74.006	Rp74.519	Rp75.288	Rp77.913	Rp81.194	Rp85.131	Rp89.725	Rp94.025	Rp98.863	Rp104.238	Rp110.150	
6						Rp73.750	Rp74.006	Rp74.519	Rp76.488	Rp79.113	Rp82.394	Rp86.331	Rp90.094	Rp94.394	Rp99.231	Rp104.606	
7							Rp73.750	Rp74.006	Rp75.319	Rp77.288	Rp79.913	Rp83.194	Rp86.419	Rp90.181	Rp94.481	Rp99.319	
8								Rp73.750	Rp74.406	Rp75.719	Rp77.688	Rp80.313	Rp83.000	Rp86.225	Rp89.988	Rp94.288	
9									Rp73.750	Rp74.406	Rp75.719	Rp77.688	Rp79.838	Rp82.525	Rp85.750	Rp89.513	
10										Rp73.750	Rp74.406	Rp75.719	Rp77.331	Rp79.481	Rp82.169	Rp85.394	
11											Rp73.750	Rp74.406	Rp75.481	Rp77.094	Rp79.244	Rp81.931	
12												Rp73.750	Rp74.288	Rp75.363	Rp76.975	Rp79.125	
13													Rp73.750	Rp74.288	Rp75.363	Rp76.975	
14														Rp73.750	Rp74.288	Rp75.363	
15															Rp73.750	Rp74.288	
16																Rp73.750	
17																	
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fn	Rp73.750	Rp74.438	Rp75.813	Rp77.875	Rp78.900	Rp80.181	Rp81.719	Rp83.513	Rp88.763	Rp94.669	Rp101.231	Rp108.450	Rp114.900	Rp121.888	Rp129.413	Rp137.475	

Matriks Biaya Total																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp144.875	Rp152.738	Rp161.063	Rp169.850	Rp180.975	Rp192.656	Rp204.894	Rp217.688	Rp236.138	Rp255.356	Rp275.344	Rp296.100	Rp314.475	Rp333.506	Rp353.194	Rp373.538
2	Rp136.550	Rp143.950	Rp151.813	Rp160.138	Rp170.706	Rp181.831	Rp193.513	Rp205.750	Rp223.431	Rp241.881	Rp261.100	Rp281.088	Rp298.806	Rp317.181	Rp336.213	Rp355.900
3	Rp128.913	Rp135.850	Rp143.250	Rp151.113	Rp161.125	Rp171.694	Rp182.819	Rp194.500	Rp211.413	Rp229.094	Rp247.544	Rp266.763	Rp283.825	Rp301.544	Rp319.919	Rp338.950
4	Rp121.963	Rp128.438	Rp135.375	Rp142.775	Rp152.231	Rp162.244	Rp172.813	Rp183.938	Rp200.081	Rp216.994	Rp234.675	Rp253.125	Rp269.531	Rp286.594	Rp304.313	Rp322.688
5	Rp115.700	Rp121.713	Rp128.188	Rp135.125	Rp144.025	Rp153.481	Rp163.494	Rp174.063	Rp189.438	Rp205.581	Rp222.494	Rp240.175	Rp255.925	Rp272.331	Rp289.394	Rp307.113
6	Rp109.694	Rp115.244	Rp121.256	Rp127.731	Rp136.075	Rp144.975	Rp154.431	Rp164.444	Rp179.050	Rp194.425	Rp210.569	Rp227.481	Rp242.575	Rp258.325	Rp274.731	Rp291.794
7	Rp103.944	Rp109.031	Rp114.581	Rp120.594	Rp128.381	Rp136.725	Rp145.625	Rp155.081	Rp168.919	Rp183.525	Rp198.900	Rp215.044	Rp229.481	Rp244.575	Rp260.325	Rp276.731
8	Rp98.450	Rp103.075	Rp108.163	Rp113.713	Rp120.944	Rp128.731	Rp137.075	Rp145.975	Rp159.044	Rp172.881	Rp187.488	Rp202.863	Rp216.644	Rp231.081	Rp246.175	Rp261.925
9	Rp93.213	Rp97.375	Rp102.000	Rp107.088	Rp113.763	Rp120.994	Rp128.781	Rp137.125	Rp149.425	Rp162.494	Rp176.331	Rp190.938	Rp204.063	Rp217.844	Rp232.281	Rp247.375
10	Rp88.631	Rp92.331	Rp96.494	Rp101.119	Rp107.238	Rp113.913	Rp121.144	Rp128.931	Rp140.463	Rp152.763	Rp165.831	Rp179.669	Rp192.138	Rp205.263	Rp219.044	Rp233.481
11	Rp84.706	Rp87.944	Rp91.644	Rp95.806	Rp101.369	Rp107.488	Rp114.163	Rp121.394	Rp132.156	Rp143.688	Rp155.988	Rp169.056	Rp180.869	Rp193.338	Rp206.463	Rp220.244
12	Rp81.438	Rp84.213	Rp87.450	Rp91.150	Rp96.156	Rp101.719	Rp107.838	Rp114.513	Rp124.506	Rp135.269	Rp146.800	Rp159.100	Rp170.256	Rp182.069	Rp194.538	Rp207.663
13	Rp78.825	Rp81.138	Rp83.913	Rp87.150	Rp91.600	Rp96.606	Rp102.169	Rp108.288	Rp117.513	Rp127.506	Rp138.269	Rp149.800	Rp160.300	Rp171.456	Rp183.269	Rp195.738
14	Rp76.750	Rp78.600	Rp80.913	Rp83.688	Rp87.581	Rp92.031	Rp97.038	Rp102.600	Rp111.056	Rp120.281	Rp130.275	Rp141.038	Rp150.881	Rp161.381	Rp172.538	Rp184.350
15	Rp75.213	Rp76.600	Rp78.450	Rp80.763	Rp84.100	Rp87.994	Rp92.444	Rp97.450	Rp105.138	Rp113.594	Rp122.819	Rp132.813	Rp142.000	Rp151.844	Rp162.344	Rp173.500
16	Rp74.213	Rp75.138	Rp76.525	Rp78.375	Rp81.156	Rp84.494	Rp88.388	Rp92.838	Rp99.756	Rp107.444	Rp115.900	Rp125.125	Rp133.656	Rp142.844	Rp152.688	Rp163.188
17	Rp73.750	Rp74.213	Rp75.138	Rp76.525	Rp78.750	Rp81.531	Rp84.869	Rp88.763	Rp94.913	Rp101.831	Rp109.519	Rp117.975	Rp125.850	Rp134.381	Rp143.569	Rp153.413
18		Rp73.750	Rp74.213	Rp75.138	Rp76.806	Rp79.031	Rp81.813	Rp85.150	Rp90.531	Rp96.681	Rp103.600	Rp111.288	Rp118.506	Rp126.381	Rp134.913	Rp144.100
19			Rp73.750	Rp74.213	Rp75.325	Rp76.994	Rp79.219	Rp82.000	Rp86.613	Rp91.994	Rp98.144	Rp105.063	Rp111.625	Rp118.844	Rp126.719	Rp135.250
20				Rp73.750	Rp74.306	Rp75.419	Rp77.088	Rp79.313	Rp83.156	Rp87.769	Rp93.150	Rp99.300	Rp105.206	Rp111.769	Rp118.988	Rp126.863
21					Rp73.750	Rp74.306	Rp75.419	Rp77.088	Rp80.163	Rp84.006	Rp88.619	Rp94.000	Rp99.250	Rp105.156	Rp111.719	Rp118.938
22						Rp73.750	Rp74.306	Rp75.419	Rp77.725	Rp80.800	Rp84.644	Rp89.256	Rp93.850	Rp99.100	Rp105.006	Rp111.569
23							Rp73.750	Rp74.306	Rp75.844	Rp78.150	Rp81.225	Rp85.069	Rp89.006	Rp93.600	Rp98.850	Rp104.756
24								Rp73.750	Rp74.519	Rp76.056	Rp78.363	Rp81.438	Rp84.719	Rp88.656	Rp93.250	Rp98.500
25									Rp73.750	Rp74.519	Rp76.056	Rp78.363	Rp80.988	Rp84.269	Rp88.206	Rp92.800
26										Rp73.750	Rp74.519	Rp76.056	Rp78.025	Rp80.650	Rp83.931	Rp87.869
27											Rp73.750	Rp74.519	Rp75.831	Rp77.800	Rp80.425	Rp83.706
28												Rp73.750	Rp74.406	Rp75.719	Rp77.688	Rp80.313
29													Rp73.750	Rp74.406	Rp75.719	Rp77.688
30														Rp73.750	Rp74.406	Rp75.719
31															Rp73.750	Rp74.406
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fn	Rp144.875	Rp152.738	Rp161.063	Rp169.850	Rp180.975	Rp192.656	Rp204.894	Rp215.744	Rp225.738	Rp235.181	Rp244.706	Rp254.538	Rp263.069	Rp271.256	Rp279.456	Rp287.925

- Agen Joko Sendang Jenis AirKu cup

Matriks Biaya Total																	
O	e = 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750																
2		Rp85.226															
3			Rp108.178														
4				Rp142.606													
5					Rp179.770												
6						Rp226.225											
7							Rp281.971										
8								Rp347.008									
9									Rp469.900								
10										Rp608.154							
11											Rp761.769						
12												Rp930.745					
13													Rp1.114.171				
14														Rp1.312.883			
15															Rp1.526.880		
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fn	Rp73.750	Rp85.226	Rp108.178	Rp142.606	Rp179.770	Rp209.801	Rp237.674	Rp272.102	Rp323.565	Rp357.509	Rp391.937	Rp438.021	Rp477.191	Rp511.543	Rp557.400	Rp596.798	

Matriks Biaya Total																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp1.977.170	Rp2.211.991	Rp2.460.625	Rp2.723.072	Rp3.223.152	Rp3.748.236	Rp4.298.324	Rp4.873.416	Rp5.336.028	Rp5.817.916	Rp6.319.079	Rp6.839.517	Rp7.398.117	Rp7.976.667	Rp8.575.167	Rp9.193.617
2	Rp1.769.177	Rp1.990.185	Rp2.225.006	Rp2.473.640	Rp2.948.716	Rp3.448.796	Rp3.973.880	Rp4.523.968	Rp4.967.305	Rp5.429.917	Rp5.911.804	Rp6.412.967	Rp6.951.617	Rp7.510.217	Rp8.088.767	Rp8.687.267
3	Rp1.572.660	Rp1.779.855	Rp2.000.863	Rp2.235.684	Rp2.685.756	Rp3.160.832	Rp3.660.912	Rp4.185.996	Rp4.610.057	Rp5.053.394	Rp5.516.006	Rp5.997.893	Rp6.516.593	Rp7.055.243	Rp7.613.843	Rp8.192.393
4	Rp1.387.619	Rp1.581.001	Rp1.788.196	Rp2.009.204	Rp2.434.272	Rp2.884.344	Rp3.359.420	Rp3.859.500	Rp4.264.286	Rp4.688.347	Rp5.131.683	Rp5.594.295	Rp6.093.045	Rp6.611.745	Rp7.150.395	Rp7.708.995
5	Rp1.214.054	Rp1.393.623	Rp1.587.005	Rp1.794.200	Rp2.194.264	Rp2.619.332	Rp3.069.404	Rp3.544.480	Rp3.929.990	Rp4.334.776	Rp4.758.837	Rp5.202.173	Rp5.680.973	Rp6.179.723	Rp6.698.423	Rp7.237.073
6	Rp1.049.780	Rp1.215.536	Rp1.395.105	Rp1.588.487	Rp1.963.547	Rp2.363.611	Rp2.788.679	Rp3.238.751	Rp3.604.986	Rp3.990.496	Rp4.395.281	Rp4.819.342	Rp5.278.192	Rp5.756.992	Rp6.255.742	Rp6.774.442
7	Rp894.797	Rp1.046.740	Rp1.212.496	Rp1.392.065	Rp1.742.121	Rp2.117.181	Rp2.517.245	Rp2.942.313	Rp3.289.272	Rp3.655.507	Rp4.041.017	Rp4.445.802	Rp4.884.702	Rp5.343.552	Rp5.822.352	Rp6.321.102
8	Rp749.105	Rp887.235	Rp1.039.178	Rp1.204.934	Rp1.529.986	Rp1.880.042	Rp2.255.102	Rp2.655.166	Rp2.982.850	Rp3.329.809	Rp3.696.043	Rp4.081.553	Rp4.500.503	Rp4.939.403	Rp5.398.253	Rp5.877.053
9	Rp612.704	Rp737.021	Rp875.151	Rp1.027.094	Rp1.327.142	Rp1.652.194	Rp2.002.250	Rp2.377.310	Rp2.685.718	Rp3.013.402	Rp3.360.361	Rp3.726.595	Rp4.125.595	Rp4.544.545	Rp4.983.445	Rp5.442.295
10	Rp491.665	Rp602.169	Rp726.486	Rp864.616	Rp1.139.660	Rp1.439.708	Rp1.764.760	Rp2.114.816	Rp2.403.948	Rp2.712.356	Rp3.040.040	Rp3.386.999	Rp3.766.049	Rp4.165.049	Rp4.583.999	Rp5.022.899
11	Rp385.987	Rp482.678	Rp593.182	Rp717.499	Rp967.539	Rp1.242.583	Rp1.542.631	Rp1.867.683	Rp2.137.540	Rp2.426.672	Rp2.735.080	Rp3.062.764	Rp3.421.864	Rp3.800.914	Rp4.199.914	Rp4.618.864
12	Rp295.670	Rp378.548	Rp475.239	Rp585.743	Rp810.779	Rp1.060.819	Rp1.335.863	Rp1.635.911	Rp1.886.493	Rp2.156.350	Rp2.445.482	Rp2.753.890	Rp3.093.040	Rp3.452.140	Rp3.831.190	Rp4.230.190
13	Rp220.715	Rp289.780	Rp372.658	Rp469.349	Rp669.381	Rp894.417	Rp1.144.457	Rp1.419.501	Rp1.650.807	Rp1.901.389	Rp2.171.246	Rp2.460.378	Rp2.779.578	Rp3.118.728	Rp3.477.828	Rp3.856.878
14	Rp161.046	Rp216.298	Rp285.363	Rp368.241	Rp543.269	Rp743.301	Rp968.337	Rp1.218.377	Rp1.430.407	Rp1.661.713	Rp1.912.295	Rp2.182.152	Rp2.481.402	Rp2.800.602	Rp3.139.752	Rp3.498.852
15	Rp116.662	Rp158.101	Rp213.353	Rp282.418	Rp432.442	Rp607.470	Rp807.502	Rp1.032.538	Rp1.225.293	Rp1.437.323	Rp1.668.629	Rp1.919.211	Rp2.198.511	Rp2.497.761	Rp2.816.961	Rp3.156.111
16	Rp87.563	Rp115.189	Rp156.628	Rp211.880	Rp336.900	Rp486.924	Rp661.952	Rp861.984	Rp1.035.464	Rp1.228.219	Rp1.440.249	Rp1.671.555	Rp1.930.905	Rp2.210.205	Rp2.509.455	Rp2.828.655
17	Rp73.750	Rp87.563	Rp115.189	Rp156.628	Rp256.644	Rp381.664	Rp531.688	Rp706.716	Rp860.920	Rp1.034.400	Rp1.227.155	Rp1.439.185	Rp1.678.585	Rp1.937.935	Rp2.217.235	Rp2.516.485
18		Rp73.750	Rp87.563	Rp115.189	Rp190.201	Rp290.217	Rp415.237	Rp565.261	Rp700.190	Rp854.394	Rp1.027.873	Rp1.220.628	Rp1.440.078	Rp1.679.478	Rp1.938.828	Rp2.218.128
19			Rp73.750	Rp87.563	Rp137.571	Rp212.583	Rp312.599	Rp437.619	Rp553.272	Rp688.201	Rp842.405	Rp1.015.884	Rp1.215.384	Rp1.434.834	Rp1.674.234	Rp1.933.584
20				Rp73.750	Rp98.754	Rp148.762	Rp223.774	Rp323.790	Rp420.168	Rp535.821	Rp670.749	Rp824.953	Rp1.004.503	Rp1.204.003	Rp1.423.453	Rp1.662.853
21					Rp73.750	Rp98.754	Rp148.762	Rp223.774	Rp300.876	Rp397.254	Rp512.907	Rp647.835	Rp807.435	Rp986.985	Rp1.186.485	Rp1.405.935
22						Rp73.750	Rp98.754	Rp148.762	Rp206.589	Rp283.691	Rp380.068	Rp495.721	Rp635.371	Rp794.971	Rp974.521	Rp1.174.021
23							Rp73.750	Rp98.754	Rp137.305	Rp195.132	Rp272.234	Rp368.611	Rp488.311	Rp627.961	Rp787.561	Rp967.111
24								Rp73.750	Rp93.026	Rp131.577	Rp189.403	Rp266.505	Rp366.255	Rp485.955	Rp625.605	Rp785.205
25									Rp73.750	Rp93.026	Rp131.577	Rp189.403	Rp269.203	Rp368.953	Rp488.653	Rp628.303
26										Rp73.750	Rp93.026	Rp131.577	Rp191.427	Rp271.227	Rp370.977	Rp490.677
27											Rp73.750	Rp93.026	Rp132.926	Rp192.776	Rp272.576	Rp372.326
28												Rp73.750	Rp93.700	Rp133.600	Rp193.450	Rp273.250
29													Rp73.750	Rp93.700	Rp133.600	Rp193.450
30														Rp73.750	Rp93.700	Rp133.600
31															Rp73.750	Rp93.700
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fn	Rp628.205	Rp669.644	Rp711.987	Rp743.394	Rp807.215	Rp842.148	Rp892.156	Rp940.902	Rp979.453	Rp1.023.732	Rp1.072.478	Rp1.111.029	Rp1.156.658	Rp1.204.729	Rp1.244.629	Rp1.290.258

- Agen Joko Sendang Jenis AirKu botol

Matriks Biaya Total																	
O	e = 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp74.838	Rp77.013	Rp80.275	Rp89.725	Rp101.538	Rp115.713	Rp132.250	Rp142.450	Rp153.925	Rp166.675	Rp180.700	Rp190.600	Rp201.325	Rp212.875	Rp225.250	
2		Rp73.750	Rp74.838	Rp77.013	Rp84.100	Rp93.550	Rp105.363	Rp119.538	Rp128.463	Rp138.663	Rp150.138	Rp162.888	Rp171.963	Rp181.863	Rp192.588	Rp204.138	
3			Rp73.750	Rp74.838	Rp79.563	Rp86.650	Rp96.100	Rp107.913	Rp115.563	Rp124.488	Rp134.688	Rp146.163	Rp154.413	Rp163.488	Rp173.388	Rp184.113	
4				Rp73.750	Rp76.113	Rp80.838	Rp87.925	Rp97.375	Rp103.750	Rp111.400	Rp120.325	Rp130.525	Rp137.950	Rp146.200	Rp155.275	Rp165.175	
5					Rp73.750	Rp76.113	Rp80.838	Rp87.925	Rp93.025	Rp99.400	Rp107.050	Rp115.975	Rp122.575	Rp130.000	Rp138.250	Rp147.325	
6						Rp73.750	Rp76.113	Rp80.838	Rp84.663	Rp89.763	Rp96.138	Rp103.788	Rp109.563	Rp116.163	Rp123.588	Rp131.838	
7							Rp73.750	Rp76.113	Rp78.663	Rp82.488	Rp87.588	Rp93.963	Rp98.913	Rp104.688	Rp111.288	Rp118.713	
8								Rp73.750	Rp75.025	Rp77.575	Rp81.400	Rp86.500	Rp90.625	Rp95.575	Rp101.350	Rp107.950	
9									Rp73.750	Rp75.025	Rp77.575	Rp81.400	Rp84.700	Rp88.825	Rp93.775	Rp99.550	
10										Rp73.750	Rp75.025	Rp77.575	Rp80.050	Rp83.350	Rp87.475	Rp92.425	
11											Rp73.750	Rp75.025	Rp76.675	Rp79.150	Rp82.450	Rp86.575	
12												Rp73.750	Rp74.575	Rp76.225	Rp78.700	Rp82.000	
13													Rp73.750	Rp74.575	Rp76.225	Rp78.700	
14														Rp73.750	Rp74.575	Rp76.225	
15															Rp73.750	Rp74.575	
16																Rp73.750	
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fn	Rp73.750	Rp74.838	Rp77.013	Rp80.275	Rp89.725	Rp101.538	Rp115.713	Rp132.250	Rp142.450	Rp153.925	Rp166.675	Rp180.700	Rp190.600	Rp201.325	Rp212.825	Rp220.250	

Matriks Biaya Total																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp242.050	Rp259.900	Rp278.800	Rp298.750	Rp359.500	Rp423.288	Rp490.113	Rp559.975	Rp586.525	Rp614.181	Rp642.944	Rp672.813	Rp716.388	Rp761.519	Rp808.206	Rp856.450
2	Rp219.888	Rp236.688	Rp254.538	Rp273.438	Rp331.150	Rp391.900	Rp455.688	Rp522.513	Rp547.956	Rp574.506	Rp602.163	Rp630.925	Rp672.944	Rp716.519	Rp761.650	Rp808.338
3	Rp198.813	Rp214.563	Rp231.363	Rp249.213	Rp303.888	Rp361.600	Rp422.350	Rp486.138	Rp510.475	Rp535.919	Rp562.469	Rp590.125	Rp630.588	Rp672.606	Rp716.181	Rp761.313
4	Rp178.825	Rp193.525	Rp209.275	Rp226.075	Rp277.713	Rp332.388	Rp390.100	Rp450.850	Rp474.081	Rp498.419	Rp523.863	Rp550.413	Rp589.319	Rp629.781	Rp671.800	Rp715.375
5	Rp159.925	Rp173.575	Rp188.275	Rp204.025	Rp252.625	Rp304.263	Rp358.938	Rp416.650	Rp438.775	Rp462.006	Rp486.344	Rp511.788	Rp549.138	Rp588.044	Rp628.506	Rp670.525
6	Rp143.388	Rp155.988	Rp169.638	Rp184.338	Rp229.900	Rp278.500	Rp330.138	Rp384.813	Rp405.831	Rp427.956	Rp451.188	Rp475.525	Rp511.319	Rp548.669	Rp587.575	Rp628.038
7	Rp129.213	Rp140.763	Rp153.363	Rp167.013	Rp209.538	Rp255.100	Rp303.700	Rp355.338	Rp375.250	Rp396.269	Rp418.394	Rp441.625	Rp475.863	Rp511.656	Rp549.006	Rp587.913
8	Rp117.400	Rp127.900	Rp139.450	Rp152.050	Rp191.538	Rp234.063	Rp279.625	Rp328.225	Rp347.031	Rp366.944	Rp387.963	Rp410.088	Rp442.769	Rp477.006	Rp512.800	Rp550.150
9	Rp107.950	Rp117.400	Rp127.900	Rp139.450	Rp175.900	Rp215.388	Rp257.913	Rp303.475	Rp321.175	Rp339.981	Rp359.894	Rp380.913	Rp412.038	Rp444.719	Rp478.956	Rp514.750
10	Rp99.775	Rp108.175	Rp117.625	Rp128.125	Rp161.538	Rp197.988	Rp237.475	Rp280.000	Rp296.594	Rp314.294	Rp333.100	Rp353.013	Rp382.581	Rp413.706	Rp446.388	Rp480.625
11	Rp92.875	Rp100.225	Rp108.625	Rp118.075	Rp148.450	Rp181.863	Rp218.313	Rp257.800	Rp273.288	Rp289.881	Rp307.581	Rp326.388	Rp354.400	Rp383.969	Rp415.094	Rp447.775
12	Rp87.250	Rp93.550	Rp100.900	Rp109.300	Rp136.638	Rp167.013	Rp200.425	Rp236.875	Rp251.256	Rp266.744	Rp283.338	Rp301.038	Rp327.494	Rp355.506	Rp385.075	Rp416.200
13	Rp82.900	Rp88.150	Rp94.450	Rp101.800	Rp126.100	Rp153.438	Rp183.813	Rp217.225	Rp230.500	Rp244.881	Rp260.369	Rp276.963	Rp301.863	Rp328.319	Rp356.331	Rp385.900
14	Rp79.375	Rp83.575	Rp88.825	Rp95.125	Rp116.388	Rp140.688	Rp168.025	Rp198.400	Rp210.569	Rp223.844	Rp238.225	Rp253.713	Rp277.056	Rp301.956	Rp328.413	Rp356.425
15	Rp76.675	Rp79.825	Rp84.025	Rp89.275	Rp107.500	Rp128.763	Rp153.063	Rp180.400	Rp191.463	Rp203.631	Rp216.906	Rp231.288	Rp253.075	Rp276.419	Rp301.319	Rp327.775
16	Rp74.800	Rp76.900	Rp80.050	Rp84.250	Rp99.438	Rp117.663	Rp138.925	Rp163.225	Rp173.181	Rp184.244	Rp196.413	Rp209.688	Rp229.919	Rp251.706	Rp275.050	Rp299.950
17	Rp73.750	Rp74.800	Rp76.900	Rp80.050	Rp92.200	Rp107.388	Rp125.613	Rp146.875	Rp155.725	Rp165.681	Rp176.744	Rp188.913	Rp207.588	Rp227.819	Rp249.606	Rp272.950
18		Rp73.750	Rp74.800	Rp76.900	Rp86.013	Rp98.163	Rp113.350	Rp131.575	Rp139.319	Rp148.169	Rp158.125	Rp169.188	Rp186.306	Rp204.981	Rp225.213	Rp247.000
19			Rp73.750	Rp74.800	Rp80.875	Rp89.988	Rp102.138	Rp117.325	Rp123.963	Rp131.706	Rp140.556	Rp150.513	Rp166.075	Rp183.194	Rp201.869	Rp222.100
20				Rp73.750	Rp76.788	Rp82.863	Rp91.975	Rp104.125	Rp109.656	Rp116.294	Rp124.038	Rp132.888	Rp146.894	Rp162.456	Rp179.575	Rp198.250
21					Rp73.750	Rp82.863	Rp91.975	Rp96.400	Rp101.931	Rp108.569	Rp116.313	Rp128.763	Rp142.769	Rp158.331	Rp175.450	
22						Rp73.750	Rp76.788	Rp82.863	Rp86.181	Rp90.606	Rp96.138	Rp102.775	Rp113.669	Rp126.119	Rp140.125	Rp155.688
23							Rp73.750	Rp76.788	Rp79.000	Rp82.319	Rp86.744	Rp92.275	Rp101.613	Rp112.506	Rp124.956	Rp138.963
24								Rp73.750	Rp74.856	Rp77.069	Rp80.388	Rp84.813	Rp92.594	Rp101.931	Rp112.825	Rp125.275
25									Rp73.750	Rp74.856	Rp77.069	Rp80.388	Rp86.613	Rp94.394	Rp103.731	Rp114.625
26										Rp73.750	Rp74.856	Rp77.069	Rp81.738	Rp87.963	Rp95.744	Rp105.081
27											Rp73.750	Rp74.856	Rp77.969	Rp82.638	Rp88.863	Rp96.644
28												Rp73.750	Rp75.306	Rp78.419	Rp83.088	Rp89.313
29													Rp73.750	Rp75.306	Rp78.419	Rp83.088
30														Rp73.750	Rp75.306	Rp78.419
31															Rp73.750	Rp75.306
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fn	Rp230.750	Rp242.300	Rp254.900	Rp267.763	Rp302.375	Rp327.638	Rp344.100	Rp359.025	Rp364.163	Rp369.694	Rp376.331	Rp384.075	Rp396.525	Rp410.531	Rp426.094	Rp443.213

- Agen Joko Sendang Jenis AirKu galon

Matriks Biaya Total																	
O	e = 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp73.819	Rp73.956	Rp74.163	Rp74.388	Rp74.669	Rp75.006	Rp75.400	Rp75.850	Rp76.356	Rp76.919	Rp77.538	Rp78.438	Rp79.413	Rp80.463	Rp81.588	
2		Rp73.750	Rp73.819	Rp73.956	Rp74.125	Rp74.350	Rp74.631	Rp74.969	Rp75.363	Rp75.813	Rp76.319	Rp76.881	Rp77.706	Rp78.606	Rp79.581	Rp80.631	
3			Rp73.750	Rp73.819	Rp73.931	Rp74.100	Rp74.325	Rp74.606	Rp74.944	Rp75.338	Rp75.788	Rp76.294	Rp77.044	Rp77.869	Rp78.769	Rp79.744	
4				Rp73.750	Rp73.806	Rp73.919	Rp74.088	Rp74.313	Rp74.594	Rp74.931	Rp75.325	Rp75.775	Rp76.450	Rp77.200	Rp78.025	Rp78.925	
5					Rp73.750	Rp73.806	Rp73.919	Rp74.088	Rp74.313	Rp74.594	Rp74.931	Rp75.325	Rp75.925	Rp76.600	Rp77.350	Rp78.175	
6						Rp73.750	Rp73.806	Rp73.919	Rp74.088	Rp74.313	Rp74.594	Rp74.931	Rp75.456	Rp76.056	Rp76.731	Rp77.481	
7							Rp73.750	Rp73.806	Rp73.919	Rp74.088	Rp74.313	Rp74.594	Rp75.044	Rp75.569	Rp76.169	Rp76.844	
8								Rp73.750	Rp73.806	Rp74.088	Rp74.313	Rp74.688	Rp75.138	Rp75.663	Rp76.263	Rp76.938	
9									Rp73.750	Rp73.806	Rp73.919	Rp74.088	Rp74.388	Rp74.763	Rp75.213	Rp75.738	
10										Rp73.750	Rp73.806	Rp73.919	Rp74.144	Rp74.444	Rp74.819	Rp75.269	
11											Rp73.750	Rp73.806	Rp73.956	Rp74.181	Rp74.481	Rp74.856	
12												Rp73.750	Rp73.825	Rp73.975	Rp74.200	Rp74.500	
13													Rp73.750	Rp73.825	Rp73.975	Rp74.200	
14														Rp73.750	Rp73.825	Rp73.975	
15															Rp73.750	Rp73.825	
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fn	Rp73.750	Rp73.819	Rp73.956	Rp74.163	Rp74.388	Rp74.669	Rp75.006	Rp75.400	Rp75.850	Rp76.356	Rp76.919	Rp77.538	Rp78.438	Rp79.413	Rp80.463	Rp81.588	

Matriks Biaya Total																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp82.488	Rp83.444	Rp84.456	Rp85.525	Rp87.025	Rp88.600	Rp90.250	Rp91.975	Rp93.475	Rp95.038	Rp96.663	Rp98.350	Rp101.850	Rp105.475	Rp109.225	Rp113.100
2	Rp81.475	Rp82.375	Rp83.331	Rp84.344	Rp85.769	Rp87.269	Rp88.844	Rp90.494	Rp91.931	Rp93.431	Rp94.994	Rp96.619	Rp99.994	Rp103.494	Rp107.119	Rp110.869
3	Rp80.531	Rp81.375	Rp82.275	Rp83.231	Rp84.581	Rp86.006	Rp87.506	Rp89.081	Rp90.456	Rp91.894	Rp93.394	Rp94.956	Rp98.206	Rp101.581	Rp105.081	Rp108.706
4	Rp79.656	Rp80.444	Rp81.288	Rp82.188	Rp83.463	Rp84.813	Rp86.238	Rp87.738	Rp89.050	Rp90.425	Rp91.863	Rp93.363	Rp96.488	Rp99.738	Rp103.113	Rp106.613
5	Rp78.850	Rp79.581	Rp80.369	Rp81.213	Rp82.413	Rp83.688	Rp85.038	Rp86.463	Rp87.713	Rp89.025	Rp90.400	Rp91.838	Rp94.838	Rp97.963	Rp101.213	Rp104.588
6	Rp78.100	Rp78.775	Rp79.506	Rp80.294	Rp81.419	Rp82.619	Rp83.894	Rp85.244	Rp86.431	Rp87.681	Rp88.994	Rp90.369	Rp93.244	Rp96.244	Rp99.369	Rp102.619
7	Rp77.406	Rp78.025	Rp78.700	Rp79.431	Rp80.481	Rp81.606	Rp82.806	Rp84.081	Rp85.206	Rp86.394	Rp87.644	Rp88.956	Rp91.706	Rp94.581	Rp97.581	Rp100.706
8	Rp76.769	Rp77.331	Rp77.950	Rp78.625	Rp79.600	Rp80.650	Rp81.775	Rp82.975	Rp84.038	Rp85.163	Rp86.350	Rp87.600	Rp90.225	Rp92.975	Rp95.850	Rp98.850
9	Rp76.188	Rp76.694	Rp77.256	Rp77.875	Rp78.775	Rp79.750	Rp80.800	Rp81.925	Rp82.925	Rp83.988	Rp85.113	Rp86.300	Rp88.800	Rp91.425	Rp94.175	Rp97.050
10	Rp75.663	Rp76.113	Rp76.619	Rp77.181	Rp78.006	Rp78.906	Rp79.881	Rp80.931	Rp81.869	Rp82.869	Rp83.931	Rp85.056	Rp87.431	Rp89.931	Rp92.556	Rp95.306
11	Rp75.194	Rp75.588	Rp76.038	Rp76.544	Rp77.294	Rp78.119	Rp79.019	Rp80.994	Rp80.869	Rp81.806	Rp82.806	Rp83.869	Rp86.119	Rp88.494	Rp90.994	Rp93.619
12	Rp74.781	Rp75.119	Rp75.513	Rp75.963	Rp76.638	Rp77.388	Rp78.213	Rp79.113	Rp79.925	Rp80.800	Rp81.738	Rp82.738	Rp84.863	Rp87.113	Rp89.488	Rp91.988
13	Rp74.425	Rp74.706	Rp75.044	Rp75.438	Rp76.038	Rp76.713	Rp77.463	Rp78.288	Rp79.038	Rp79.850	Rp80.725	Rp81.663	Rp83.663	Rp85.788	Rp88.038	Rp90.413
14	Rp74.144	Rp74.369	Rp74.650	Rp74.988	Rp75.513	Rp76.113	Rp76.788	Rp77.538	Rp78.225	Rp78.975	Rp79.788	Rp80.663	Rp82.538	Rp84.538	Rp86.663	Rp88.913
15	Rp73.938	Rp74.106	Rp74.331	Rp74.613	Rp75.063	Rp75.588	Rp76.188	Rp76.863	Rp77.488	Rp78.175	Rp78.925	Rp79.738	Rp81.488	Rp83.363	Rp85.363	Rp87.488
16	Rp73.806	Rp73.919	Rp74.088	Rp74.313	Rp74.688	Rp75.138	Rp75.663	Rp76.263	Rp76.825	Rp77.450	Rp78.138	Rp78.888	Rp80.513	Rp82.263	Rp84.138	Rp86.138
17	Rp73.750	Rp73.806	Rp73.919	Rp74.088	Rp74.388	Rp74.763	Rp75.213	Rp75.738	Rp76.238	Rp76.800	Rp77.425	Rp78.113	Rp79.613	Rp81.238	Rp82.988	Rp84.863
18		Rp73.750	Rp73.806	Rp73.919	Rp74.144	Rp74.444	Rp74.819	Rp75.269	Rp75.706	Rp76.206	Rp76.769	Rp77.394	Rp78.769	Rp80.269	Rp81.894	Rp83.644
19			Rp73.750	Rp73.806	Rp73.956	Rp74.181	Rp74.481	Rp74.856	Rp75.231	Rp75.669	Rp76.169	Rp76.731	Rp77.981	Rp79.356	Rp80.856	Rp82.481
20				Rp73.750	Rp73.825	Rp73.975	Rp74.200	Rp74.500	Rp74.813	Rp75.188	Rp75.625	Rp76.125	Rp77.250	Rp78.500	Rp79.875	Rp81.375
21					Rp73.750	Rp73.825	Rp74.200	Rp74.500	Rp74.450	Rp74.763	Rp75.138	Rp75.575	Rp76.575	Rp77.700	Rp78.950	Rp80.325
22						Rp73.750	Rp73.825	Rp73.975	Rp74.163	Rp74.413	Rp74.725	Rp75.100	Rp75.975	Rp76.975	Rp78.100	Rp79.350
23							Rp73.750	Rp73.825	Rp73.950	Rp74.138	Rp74.388	Rp74.700	Rp75.450	Rp76.325	Rp77.325	Rp78.450
24								Rp73.750	Rp73.813	Rp73.938	Rp74.125	Rp74.375	Rp75.000	Rp75.750	Rp76.625	Rp77.625
25									Rp73.750	Rp73.813	Rp73.938	Rp74.125	Rp74.625	Rp75.250	Rp76.000	Rp76.875
26										Rp73.750	Rp73.813	Rp73.938	Rp74.313	Rp74.813	Rp75.438	Rp76.188
27											Rp73.750	Rp73.813	Rp74.063	Rp74.438	Rp74.938	Rp75.563
28												Rp73.750	Rp73.875	Rp74.125	Rp74.500	Rp75.000
29													Rp73.750	Rp73.875	Rp74.125	Rp74.500
30														Rp73.750	Rp73.875	Rp74.125
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fn	Rp82.488	Rp83.444	Rp84.456	Rp85.525	Rp87.025	Rp88.600	Rp90.250	Rp91.975	Rp93.475	Rp95.038	Rp96.663	Rp98.350	Rp101.850	Rp105.475	Rp109.225	Rp113.100

Matriks Biaya Total																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp116.500	Rp120.006	Rp123.619	Rp127.338	Rp128.913	Rp130.531	Rp132.194	Rp133.900	Rp142.900	Rp152.125	Rp161.575	Rp171.250	Rp175.650	Rp180.150	Rp184.750	Rp189.450
2	Rp114.163	Rp117.563	Rp121.069	Rp124.681	Rp126.213	Rp127.788	Rp129.406	Rp131.069	Rp139.844	Rp148.844	Rp158.069	Rp167.519	Rp171.819	Rp176.219	Rp180.719	Rp185.319
3	Rp111.894	Rp115.188	Rp118.588	Rp122.094	Rp123.581	Rp125.113	Rp126.688	Rp128.306	Rp136.856	Rp145.631	Rp154.631	Rp163.856	Rp168.056	Rp172.356	Rp176.756	Rp181.256
4	Rp109.694	Rp112.881	Rp116.175	Rp119.575	Rp121.019	Rp122.506	Rp124.038	Rp125.613	Rp133.938	Rp142.488	Rp151.263	Rp160.263	Rp164.363	Rp168.563	Rp172.863	Rp177.263
5	Rp107.563	Rp110.644	Rp113.831	Rp117.125	Rp118.525	Rp119.969	Rp121.456	Rp122.988	Rp131.088	Rp139.413	Rp147.963	Rp156.738	Rp160.738	Rp164.838	Rp169.038	Rp173.338
6	Rp105.488	Rp108.463	Rp111.544	Rp114.731	Rp116.088	Rp117.488	Rp118.931	Rp120.419	Rp128.294	Rp136.394	Rp144.719	Rp153.269	Rp157.169	Rp161.169	Rp165.269	Rp169.469
7	Rp103.469	Rp106.338	Rp109.313	Rp112.394	Rp113.706	Rp115.063	Rp116.463	Rp117.906	Rp125.556	Rp133.431	Rp141.531	Rp149.856	Rp153.656	Rp157.556	Rp161.556	Rp165.656
8	Rp101.506	Rp104.269	Rp107.138	Rp110.113	Rp111.381	Rp112.694	Rp114.050	Rp115.450	Rp122.875	Rp130.525	Rp138.400	Rp146.500	Rp150.200	Rp154.000	Rp157.900	Rp161.900
9	Rp99.600	Rp102.256	Rp105.019	Rp107.888	Rp109.113	Rp110.381	Rp111.694	Rp113.050	Rp120.250	Rp127.675	Rp135.325	Rp143.200	Rp146.800	Rp150.500	Rp154.300	Rp158.200
10	Rp97.750	Rp100.300	Rp102.956	Rp105.719	Rp106.900	Rp108.125	Rp109.394	Rp110.706	Rp117.681	Rp124.881	Rp132.306	Rp139.956	Rp143.456	Rp147.056	Rp150.756	Rp154.556
11	Rp95.956	Rp98.400	Rp100.950	Rp103.606	Rp104.744	Rp105.925	Rp107.150	Rp108.419	Rp115.169	Rp122.144	Rp129.344	Rp136.769	Rp140.169	Rp143.669	Rp147.269	Rp150.969
12	Rp94.219	Rp96.556	Rp99.000	Rp101.550	Rp102.644	Rp103.781	Rp104.963	Rp106.188	Rp112.713	Rp119.463	Rp126.438	Rp133.638	Rp136.938	Rp140.338	Rp143.838	Rp147.438
13	Rp92.538	Rp94.769	Rp97.106	Rp99.550	Rp100.600	Rp101.694	Rp102.831	Rp104.013	Rp110.313	Rp116.838	Rp123.588	Rp130.563	Rp133.763	Rp137.063	Rp140.463	Rp143.963
14	Rp90.931	Rp93.056	Rp95.288	Rp97.625	Rp98.631	Rp99.681	Rp100.775	Rp101.913	Rp107.988	Rp114.288	Rp120.813	Rp127.563	Rp130.663	Rp133.863	Rp137.163	Rp140.563
15	Rp89.400	Rp91.419	Rp93.544	Rp95.775	Rp96.738	Rp97.744	Rp98.794	Rp99.888	Rp105.738	Rp111.813	Rp118.113	Rp124.638	Rp127.638	Rp130.738	Rp133.938	Rp137.238
16	Rp87.944	Rp89.856	Rp91.875	Rp94.000	Rp94.919	Rp95.881	Rp96.888	Rp97.938	Rp103.563	Rp109.413	Rp115.488	Rp121.788	Rp124.688	Rp127.688	Rp130.788	Rp133.988
17	Rp86.563	Rp88.369	Rp90.281	Rp92.300	Rp93.175	Rp94.094	Rp95.056	Rp96.063	Rp101.463	Rp107.088	Rp112.938	Rp119.013	Rp121.813	Rp124.713	Rp127.713	Rp130.813
18	Rp85.238	Rp86.938	Rp88.744	Rp90.656	Rp91.488	Rp92.363	Rp93.281	Rp94.244	Rp99.419	Rp104.819	Rp110.444	Rp116.294	Rp118.994	Rp121.794	Rp124.694	Rp127.694
19	Rp83.969	Rp85.563	Rp87.263	Rp89.069	Rp89.856	Rp90.688	Rp91.563	Rp92.481	Rp97.431	Rp102.606	Rp108.006	Rp113.631	Rp116.231	Rp118.931	Rp121.731	Rp124.631
20	Rp82.756	Rp84.244	Rp85.838	Rp87.538	Rp88.281	Rp89.069	Rp89.900	Rp90.775	Rp95.500	Rp100.450	Rp105.625	Rp111.025	Rp113.525	Rp116.125	Rp118.825	Rp121.625
21	Rp81.600	Rp82.981	Rp84.469	Rp86.063	Rp86.763	Rp87.506	Rp88.294	Rp89.125	Rp93.625	Rp98.350	Rp103.300	Rp108.475	Rp110.875	Rp113.375	Rp115.975	Rp118.675
22	Rp80.519	Rp81.794	Rp83.175	Rp84.663	Rp85.319	Rp86.019	Rp86.763	Rp87.550	Rp91.825	Rp96.325	Rp101.050	Rp106.000	Rp108.300	Rp110.700	Rp113.200	Rp115.800
23	Rp79.513	Rp80.681	Rp81.956	Rp83.338	Rp83.950	Rp84.606	Rp85.306	Rp86.050	Rp90.100	Rp94.375	Rp98.875	Rp103.600	Rp105.800	Rp108.100	Rp110.500	Rp113.000
24	Rp78.581	Rp79.644	Rp80.813	Rp82.088	Rp82.656	Rp83.269	Rp83.925	Rp84.625	Rp88.450	Rp92.500	Rp96.775	Rp101.275	Rp103.375	Rp105.575	Rp107.875	Rp110.275
25	Rp77.725	Rp78.681	Rp79.744	Rp80.913	Rp81.438	Rp82.006	Rp82.619	Rp83.275	Rp86.875	Rp90.700	Rp94.750	Rp99.025	Rp101.025	Rp103.125	Rp105.325	Rp107.625
26	Rp76.931	Rp77.781	Rp78.738	Rp79.800	Rp80.281	Rp80.806	Rp81.375	Rp81.988	Rp85.363	Rp88.963	Rp92.788	Rp96.838	Rp98.738	Rp100.738	Rp102.838	Rp105.038
27	Rp76.200	Rp76.944	Rp77.794	Rp78.750	Rp79.188	Rp79.669	Rp80.194	Rp80.763	Rp83.913	Rp87.288	Rp90.888	Rp94.713	Rp96.513	Rp98.413	Rp100.413	Rp102.513
28	Rp75.531	Rp76.169	Rp76.913	Rp77.763	Rp78.156	Rp78.594	Rp79.075	Rp79.600	Rp82.525	Rp85.675	Rp89.050	Rp92.650	Rp94.350	Rp96.150	Rp98.050	Rp100.050
29	Rp74.925	Rp75.456	Rp76.094	Rp76.838	Rp77.188	Rp77.581	Rp78.019	Rp78.500	Rp81.200	Rp84.125	Rp87.275	Rp90.650	Rp92.250	Rp93.950	Rp95.750	Rp97.650
30	Rp74.444	Rp74.869	Rp75.400	Rp76.038	Rp76.344	Rp76.694	Rp77.088	Rp77.525	Rp80.000	Rp82.700	Rp85.625	Rp88.775	Rp90.275	Rp91.875	Rp93.575	Rp95.375
31	Rp74.088	Rp74.406	Rp74.831	Rp75.363	Rp75.625	Rp75.931	Rp76.281	Rp76.675	Rp78.925	Rp81.400	Rp84.100	Rp87.025	Rp88.425	Rp89.925	Rp91.525	Rp93.225
32	Rp73.856	Rp74.069	Rp74.388	Rp74.813	Rp75.031	Rp75.294	Rp75.600	Rp75.950	Rp77.975	Rp80.225	Rp82.700	Rp85.400	Rp86.700	Rp88.100	Rp89.600	Rp91.200
33	Rp73.750	Rp73.856	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044	Rp75.350	Rp77.150	Rp79.175	Rp81.425	Rp83.900	Rp85.100	Rp86.400	Rp87.800	Rp89.300
34		Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044	Rp75.350	Rp77.150	Rp79.175	Rp81.425	Rp83.900	Rp85.100	Rp86.400	Rp87.800	Rp89.300
35			Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044	Rp75.350	Rp77.150	Rp79.175	Rp81.425	Rp83.900	Rp85.100	Rp86.400	Rp87.800
36				Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044	Rp75.350	Rp77.150	Rp79.175	Rp81.425	Rp83.900	Rp85.100	Rp86.400
37					Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044	Rp75.350	Rp77.150	Rp79.175	Rp81.425	Rp83.900	Rp85.100
38						Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044	Rp75.350	Rp77.150	Rp79.175	Rp81.425	Rp83.900
39							Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044	Rp75.350	Rp77.150	Rp79.175	Rp81.425
40								Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044	Rp75.350	Rp77.150	Rp79.175
41									Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044	Rp75.350	Rp77.150
42										Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044	Rp75.350
43											Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781	Rp75.044
44												Rp73.750	Rp74.069	Rp74.388	Rp74.563	Rp74.781
45													Rp73.750	Rp74.069	Rp74.388	Rp74.563
46														Rp73.750	Rp74.069	Rp74.388
47															Rp73.750	Rp74.069
48																Rp73.750
fn	Rp116.500	Rp120.006	Rp123.619	Rp127.338	Rp128.913	Rp130.531	Rp132.194	Rp133.900	Rp142.900	Rp152.125	Rp161.575	Rp171.250	Rp175.650	Rp180.150	Rp184.750	Rp189.450

b. Matriks Biaya Optimal

- Agen Aneka Usaha Jenis Airku Cup

Matriks Biaya Optimal																
O	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Rp73.750	Rp89.121	Rp119.863	Rp165.976	Rp232.970	Rp316.713	Rp417.204	Rp534.443	Rp668.735	Rp819.814	Rp987.679	Rp1.172.330	Rp1.491.416	Rp1.837.093	Rp2.209.360	Rp2.608.217
2		Rp147.500	Rp162.871	Rp193.613	Rp243.859	Rp310.853	Rp394.595	Rp495.086	Rp612.592	Rp746.884	Rp897.962	Rp1.065.827	Rp1.358.323	Rp1.677.409	Rp2.023.085	Rp2.395.352
3			Rp162.871	Rp178.242	Rp211.739	Rp261.985	Rp328.979	Rp412.721	Rp513.440	Rp630.946	Rp765.238	Rp916.316	Rp1.182.221	Rp1.474.717	Rp1.793.803	Rp2.139.479
4				Rp193.613	Rp210.362	Rp243.859	Rp294.104	Rp361.098	Rp445.031	Rp545.750	Rp663.255	Rp797.547	Rp1.036.862	Rp1.302.767	Rp1.595.262	Rp1.914.348
5					Rp239.726	Rp256.475	Rp289.972	Rp340.217	Rp407.363	Rp491.296	Rp592.015	Rp709.520	Rp922.244	Rp1.161.559	Rp1.427.464	Rp1.719.959
6						Rp284.112	Rp300.860	Rp334.357	Rp384.717	Rp451.863	Rp535.795	Rp636.514	Rp822.648	Rp1.035.372	Rp1.274.686	Rp1.540.591
7							Rp317.609	Rp334.357	Rp367.930	Rp418.290	Rp485.436	Rp569.368	Rp728.911	Rp915.045	Rp1.127.769	Rp1.367.083
8								Rp363.722	Rp380.508	Rp414.081	Rp464.441	Rp531.587	Rp664.539	Rp824.082	Rp1.010.216	Rp1.222.940
9									Rp408.107	Rp424.894	Rp458.467	Rp508.826	Rp615.188	Rp748.141	Rp907.684	Rp1.093.817
10										Rp441.680	Rp458.467	Rp492.040	Rp571.811	Rp678.173	Rp811.126	Rp970.669
11											Rp487.831	Rp504.618	Rp557.799	Rp637.570	Rp743.932	Rp876.885
12												Rp532.217	Rp558.807	Rp611.988	Rp691.760	Rp798.122
13													Rp565.790	Rp592.380	Rp645.561	Rp725.333
14														Rp631.549	Rp658.139	Rp711.320
15															Rp666.130	Rp692.721
16																Rp719.311
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fn	Rp73.750	Rp89.121	Rp119.863	Rp165.976	Rp210.362	Rp243.859	Rp289.972	Rp334.357	Rp367.930	Rp414.081	Rp458.467	Rp492.040	Rp557.799	Rp592.380	Rp645.561	Rp692.721

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp2.918.297	Rp3.247.757	Rp3.596.597	Rp3.964.817	Rp4.452.927	Rp4.965.443	Rp5.502.364	Rp6.063.690	Rp6.479.562	Rp6.912.762	Rp7.363.290	Rp7.831.146	Rp8.324.310	Rp8.835.087	Rp9.363.477	Rp9.909.480
2	Rp2.686.052	Rp2.996.132	Rp3.325.592	Rp3.674.432	Rp4.138.137	Rp4.626.247	Rp5.138.762	Rp5.675.683	Rp6.074.227	Rp6.490.099	Rp6.923.299	Rp7.373.827	Rp7.849.378	Rp8.342.542	Rp8.853.319	Rp9.381.709
3	Rp2.410.799	Rp2.701.499	Rp3.011.579	Rp3.341.039	Rp3.780.338	Rp4.244.043	Rp4.732.153	Rp5.244.668	Rp5.625.884	Rp6.024.428	Rp6.440.300	Rp6.873.500	Rp7.331.438	Rp7.806.989	Rp8.300.153	Rp8.810.930
4	Rp2.166.288	Rp2.437.608	Rp2.728.308	Rp3.038.388	Rp3.453.282	Rp3.892.581	Rp4.356.285	Rp4.844.395	Rp5.208.283	Rp5.589.499	Rp5.988.043	Rp6.403.915	Rp6.844.240	Rp7.302.178	Rp7.777.729	Rp8.270.893
5	Rp1.952.519	Rp2.204.459	Rp2.475.779	Rp2.766.479	Rp3.156.967	Rp3.571.861	Rp4.011.160	Rp4.474.864	Rp4.821.424	Rp5.185.312	Rp5.566.528	Rp5.965.072	Rp6.387.784	Rp6.828.109	Rp7.286.047	Rp7.761.598
6	Rp1.753.771	Rp1.986.331	Rp2.238.271	Rp2.509.591	Rp2.875.674	Rp3.266.162	Rp3.681.055	Rp4.120.354	Rp4.449.586	Rp4.796.146	Rp5.160.034	Rp5.541.250	Rp5.946.349	Rp6.369.061	Rp6.809.386	Rp7.267.324
7	Rp1.560.883	Rp1.774.063	Rp2.006.623	Rp2.258.563	Rp2.600.240	Rp2.966.323	Rp3.356.811	Rp3.771.704	Rp4.083.608	Rp4.412.840	Rp4.759.400	Rp5.123.288	Rp5.510.774	Rp5.915.873	Rp6.338.585	Rp6.778.910
8	Rp1.397.360	Rp1.591.160	Rp1.804.340	Rp2.036.900	Rp2.354.171	Rp2.695.848	Rp3.061.931	Rp3.452.419	Rp3.746.995	Rp4.058.899	Rp4.388.131	Rp4.734.691	Rp5.104.564	Rp5.492.050	Rp5.897.149	Rp6.319.861
9	Rp1.248.857	Rp1.423.277	Rp1.617.077	Rp1.830.257	Rp2.123.123	Rp2.440.395	Rp2.782.072	Rp3.148.154	Rp3.425.402	Rp3.719.978	Rp4.031.882	Rp4.361.114	Rp4.713.374	Rp5.083.247	Rp5.470.733	Rp5.875.832
10	Rp1.106.329	Rp1.261.369	Rp1.435.789	Rp1.629.589	Rp1.898.049	Rp2.190.915	Rp2.508.187	Rp2.849.864	Rp3.109.784	Rp3.387.032	Rp3.681.608	Rp3.993.512	Rp4.328.159	Rp4.680.419	Rp5.050.292	Rp5.437.778
11	Rp993.165	Rp1.128.825	Rp1.283.865	Rp1.458.285	Rp1.702.340	Rp1.970.800	Rp2.263.666	Rp2.580.938	Rp2.823.530	Rp3.083.450	Rp3.360.698	Rp3.655.274	Rp3.972.308	Rp4.306.955	Rp4.659.215	Rp5.029.088
12	Rp895.022	Rp1.011.302	Rp1.146.962	Rp1.302.002	Rp1.521.651	Rp1.765.706	Rp2.034.167	Rp2.327.033	Rp2.552.297	Rp2.794.889	Rp3.054.809	Rp3.332.057	Rp3.631.478	Rp3.948.512	Rp4.283.159	Rp4.635.419
13	Rp802.853	Rp899.753	Rp1.016.033	Rp1.151.693	Rp1.346.937	Rp1.566.586	Rp1.810.641	Rp2.079.102	Rp2.287.038	Rp2.512.302	Rp2.754.894	Rp3.014.814	Rp3.296.622	Rp3.596.043	Rp3.913.077	Rp4.247.724
14	Rp769.460	Rp846.980	Rp943.880	Rp1.060.160	Rp1.230.999	Rp1.426.243	Rp1.645.892	Rp1.889.947	Rp2.080.555	Rp2.288.491	Rp2.513.755	Rp2.756.347	Rp3.020.542	Rp3.302.350	Rp3.601.771	Rp3.918.805
15	Rp731.481	Rp789.621	Rp867.141	Rp964.041	Rp1.110.474	Rp1.281.312	Rp1.476.556	Rp1.696.206	Rp1.869.486	Rp2.060.094	Rp2.268.030	Rp2.493.294	Rp2.739.876	Rp3.004.071	Rp3.285.879	Rp3.585.300
16	Rp738.691	Rp777.451	Rp835.591	Rp913.111	Rp1.035.139	Rp1.181.572	Rp1.352.410	Rp1.547.654	Rp1.703.606	Rp1.876.886	Rp2.067.494	Rp2.275.430	Rp2.504.399	Rp2.750.981	Rp3.015.176	Rp3.296.984
17	Rp766.471	Rp785.851	Rp824.611	Rp882.751	Rp980.373	Rp1.102.400	Rp1.248.833	Rp1.419.672	Rp1.558.296	Rp1.714.248	Rp1.887.528	Rp2.078.136	Rp2.289.492	Rp2.518.461	Rp2.765.043	Rp3.029.238
18		Rp805.231	Rp824.611	Rp863.371	Rp936.587	Rp1.034.209	Rp1.156.237	Rp1.302.670	Rp1.423.966	Rp1.562.590	Rp1.718.542	Rp1.891.822	Rp2.085.565	Rp2.296.921	Rp2.525.890	Rp2.772.472
19			Rp851.201	Rp870.581	Rp919.392	Rp992.609	Rp1.090.231	Rp1.212.258	Rp1.316.226	Rp1.437.522	Rp1.576.146	Rp1.732.098	Rp1.908.228	Rp2.101.971	Rp2.313.327	Rp2.542.296
20				Rp898.361	Rp922.766	Rp971.577	Rp1.044.794	Rp1.142.416	Rp1.229.056	Rp1.333.024	Rp1.454.320	Rp1.592.944	Rp1.751.461	Rp1.927.591	Rp2.121.334	Rp2.332.690
21					Rp937.121	Rp961.526	Rp1.010.337	Rp1.083.554	Rp1.152.866	Rp1.239.506	Rp1.343.474	Rp1.464.770	Rp1.605.674	Rp1.764.191	Rp1.940.321	Rp2.134.064
22						Rp993.142	Rp1.017.548	Rp1.066.359	Rp1.118.343	Rp1.187.655	Rp1.274.295	Rp1.378.263	Rp1.501.554	Rp1.642.458	Rp1.800.975	Rp1.977.105
23							Rp1.035.276	Rp1.059.682	Rp1.094.338	Rp1.146.322	Rp1.215.634	Rp1.302.274	Rp1.407.952	Rp1.531.243	Rp1.672.147	Rp1.830.664
24								Rp1.084.087	Rp1.101.415	Rp1.136.071	Rp1.188.055	Rp1.257.367	Rp1.345.432	Rp1.451.110	Rp1.574.401	Rp1.715.305
25									Rp1.133.432	Rp1.150.760	Rp1.185.416	Rp1.237.400	Rp1.307.852	Rp1.395.917	Rp1.501.595	Rp1.624.886
26										Rp1.168.088	Rp1.185.416	Rp1.220.072	Rp1.272.911	Rp1.343.363	Rp1.431.428	Rp1.537.106
27											Rp1.209.821	Rp1.227.149	Rp1.262.375	Rp1.315.214	Rp1.385.666	Rp1.473.731
28												Rp1.259.166	Rp1.276.779	Rp1.312.005	Rp1.364.844	Rp1.435.296
29													Rp1.293.822	Rp1.311.435	Rp1.346.661	Rp1.399.500
30														Rp1.336.125	Rp1.353.738	Rp1.388.964
31															Rp1.385.185	Rp1.402.798
32																Rp1.420.411
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fn	Rp731.481	Rp777.451	Rp824.611	Rp863.371	Rp919.392	Rp961.526	Rp1.010.337	Rp1.059.682	Rp1.094.338	Rp1.136.071	Rp1.185.416	Rp1.220.072	Rp1.262.375	Rp1.311.435	Rp1.346.661	Rp1.388.964

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp10.402.264	Rp10.910.448	Rp11.434.031	Rp11.973.013	Rp12.292.099	Rp12.620.049	Rp12.956.862	Rp13.302.538	Rp13.403.998	Rp13.507.995	Rp13.614.528	Rp13.723.597	Rp13.796.747	Rp13.871.560	Rp13.948.035	Rp14.026.172
2	Rp9.859.094	Rp10.351.878	Rp10.860.061	Rp11.383.644	Rp11.693.867	Rp12.012.953	Rp12.340.902	Rp12.677.715	Rp12.776.639	Rp12.878.099	Rp12.982.095	Rp13.088.628	Rp13.160.116	Rp13.233.266	Rp13.308.078	Rp13.384.553
3	Rp9.272.915	Rp9.750.300	Rp10.243.084	Rp10.751.267	Rp11.052.626	Rp11.362.849	Rp11.681.935	Rp12.009.884	Rp12.106.271	Rp12.205.195	Rp12.306.655	Rp12.410.651	Rp12.480.476	Rp12.551.964	Rp12.625.114	Rp12.699.926
4	Rp8.717.479	Rp9.179.464	Rp9.656.848	Rp10.149.632	Rp10.442.128	Rp10.743.487	Rp11.053.709	Rp11.372.795	Rp11.466.646	Rp11.563.033	Rp11.661.956	Rp11.763.416	Rp11.831.579	Rp11.901.404	Rp11.972.891	Rp12.046.041
5	Rp8.192.784	Rp8.639.370	Rp9.101.355	Rp9.578.739	Rp9.862.371	Rp10.154.867	Rp10.456.226	Rp10.766.448	Rp10.857.762	Rp10.951.613	Rp11.048.000	Rp11.146.923	Rp11.213.423	Rp11.281.586	Rp11.351.411	Rp11.422.898
6	Rp7.683.111	Rp8.114.297	Rp8.560.882	Rp9.022.867	Rp9.297.636	Rp9.581.268	Rp9.873.763	Rp10.175.122	Rp10.263.900	Rp10.355.214	Rp10.449.064	Rp10.545.451	Rp10.610.289	Rp10.676.789	Rp10.744.951	Rp10.814.776
7	Rp7.179.297	Rp7.595.084	Rp8.026.270	Rp8.472.855	Rp8.738.760	Rp9.013.529	Rp9.297.161	Rp9.589.656	Rp9.675.897	Rp9.764.675	Rp9.855.989	Rp9.949.839	Rp10.013.014	Rp10.077.852	Rp10.144.352	Rp10.212.514
8	Rp6.704.848	Rp7.105.235	Rp7.521.022	Rp7.952.208	Rp8.209.249	Rp8.475.154	Rp8.749.923	Rp9.033.555	Rp9.117.259	Rp9.203.500	Rp9.292.278	Rp9.383.592	Rp9.445.104	Rp9.508.279	Rp9.573.117	Rp9.639.617
9	Rp6.245.420	Rp6.630.408	Rp7.030.795	Rp7.446.581	Rp7.694.759	Rp7.951.801	Rp8.217.706	Rp8.492.474	Rp8.573.642	Rp8.657.347	Rp8.743.588	Rp8.832.365	Rp8.892.215	Rp8.953.728	Rp9.016.903	Rp9.081.740
10	Rp5.791.966	Rp6.161.554	Rp6.546.542	Rp6.946.929	Rp7.186.243	Rp7.434.421	Rp7.691.463	Rp7.957.368	Rp8.035.999	Rp8.117.167	Rp8.200.872	Rp8.287.113	Rp8.345.300	Rp8.405.150	Rp8.466.663	Rp8.529.838
11	Rp5.367.877	Rp5.722.065	Rp6.091.653	Rp6.476.641	Rp6.707.092	Rp6.946.406	Rp7.194.584	Rp7.451.626	Rp7.527.721	Rp7.606.352	Rp7.687.520	Rp7.771.225	Rp7.827.750	Rp7.885.937	Rp7.945.787	Rp8.007.300
12	Rp4.958.808	Rp5.297.597	Rp5.651.786	Rp6.021.374	Rp6.242.961	Rp6.473.412	Rp6.712.727	Rp6.960.905	Rp7.034.463	Rp7.110.558	Rp7.189.190	Rp7.270.358	Rp7.325.220	Rp7.381.745	Rp7.439.933	Rp7.499.783
13	Rp4.555.714	Rp4.879.103	Rp5.217.892	Rp5.572.081	Rp5.784.805	Rp6.006.392	Rp6.236.843	Rp6.476.158	Rp6.547.180	Rp6.620.738	Rp6.696.833	Rp6.775.465	Rp6.828.665	Rp6.883.527	Rp6.940.052	Rp6.998.240
14	Rp4.211.396	Rp4.519.386	Rp4.842.775	Rp5.181.564	Rp5.385.425	Rp5.598.149	Rp5.819.736	Rp6.050.187	Rp6.118.673	Rp6.189.695	Rp6.263.253	Rp6.339.348	Rp6.390.886	Rp6.444.086	Rp6.498.948	Rp6.555.473
15	Rp3.862.491	Rp4.155.081	Rp4.463.071	Rp4.786.461	Rp4.981.458	Rp5.185.318	Rp5.398.042	Rp5.619.630	Rp5.685.579	Rp5.754.064	Rp5.825.086	Rp5.898.645	Rp5.948.520	Rp6.000.057	Rp6.053.257	Rp6.108.120
16	Rp3.558.776	Rp3.835.967	Rp4.128.557	Rp4.436.547	Rp4.622.681	Rp4.817.678	Rp5.021.538	Rp5.234.262	Rp5.297.675	Rp5.363.624	Rp5.432.109	Rp5.503.131	Rp5.551.344	Rp5.601.219	Rp5.652.756	Rp5.705.956
17	Rp3.275.630	Rp3.537.421	Rp3.814.612	Rp4.107.203	Rp4.284.473	Rp4.470.606	Rp4.665.603	Rp4.869.464	Rp4.930.340	Rp4.993.752	Rp5.059.701	Rp5.128.187	Rp5.174.737	Rp5.222.949	Rp5.272.824	Rp5.324.362
18	Rp3.003.464	Rp3.249.856	Rp3.511.648	Rp3.788.839	Rp3.957.245	Rp4.134.515	Rp4.320.649	Rp4.515.646	Rp4.573.985	Rp4.634.861	Rp4.698.274	Rp4.764.223	Rp4.809.110	Rp4.855.660	Rp4.903.873	Rp4.953.748
19	Rp2.757.889	Rp2.988.882	Rp3.235.274	Rp3.497.065	Rp3.656.608	Rp3.825.015	Rp4.002.285	Rp4.188.418	Rp4.244.221	Rp4.302.561	Rp4.363.437	Rp4.426.849	Rp4.470.074	Rp4.514.962	Rp4.561.512	Rp4.609.724
20	Rp2.532.883	Rp2.748.476	Rp2.979.469	Rp3.225.861	Rp3.376.540	Rp3.536.083	Rp3.704.490	Rp3.881.760	Rp3.935.026	Rp3.990.829	Rp4.049.169	Rp4.110.045	Rp4.151.607	Rp4.194.832	Rp4.239.720	Rp4.286.270
21	Rp2.318.858	Rp2.519.051	Rp2.734.644	Rp2.965.637	Rp3.107.453	Rp3.258.132	Rp3.417.675	Rp3.586.082	Rp3.636.812	Rp3.690.078	Rp3.745.881	Rp3.804.221	Rp3.844.121	Rp3.885.683	Rp3.928.908	Rp3.973.796
22	Rp2.146.499	Rp2.331.293	Rp2.531.487	Rp2.747.080	Rp2.880.032	Rp3.021.848	Rp3.172.528	Rp3.332.071	Rp3.380.264	Rp3.430.994	Rp3.484.261	Rp3.540.064	Rp3.578.301	Rp3.618.201	Rp3.659.764	Rp3.702.989
23	Rp1.984.659	Rp2.154.053	Rp2.338.847	Rp2.539.041	Rp2.663.130	Rp2.796.082	Rp2.937.898	Rp3.088.578	Rp3.134.235	Rp3.182.428	Rp3.233.158	Rp3.286.425	Rp3.323.000	Rp3.361.237	Rp3.401.133	Rp3.442.700
24	Rp1.853.901	Rp2.007.896	Rp2.177.290	Rp2.362.084	Rp2.477.310	Rp2.601.399	Rp2.734.351	Rp2.876.167	Rp2.919.288	Rp2.964.945	Rp3.013.138	Rp3.063.868	Rp3.098.781	Rp3.135.356	Rp3.173.593	Rp3.213.493
25	Rp1.748.082	Rp1.886.677	Rp2.040.672	Rp2.210.067	Rp2.316.429	Rp2.431.654	Rp2.555.743	Rp2.688.696	Rp2.729.280	Rp2.772.400	Rp2.818.057	Rp2.866.251	Rp2.899.501	Rp2.934.413	Rp2.970.988	Rp3.009.226
26	Rp1.644.902	Rp1.768.098	Rp1.906.694	Rp2.060.689	Rp2.158.187	Rp2.264.549	Rp2.379.775	Rp2.503.864	Rp2.541.911	Rp2.582.495	Rp2.625.616	Rp2.671.273	Rp2.702.860	Rp2.736.110	Rp2.771.023	Rp2.807.598
27	Rp1.566.128	Rp1.673.925	Rp1.797.121	Rp1.935.716	Rp2.024.351	Rp2.121.850	Rp2.228.212	Rp2.343.437	Rp2.378.948	Rp2.416.996	Rp2.457.580	Rp2.500.700	Rp2.530.625	Rp2.562.213	Rp2.595.463	Rp2.630.375
28	Rp1.512.293	Rp1.604.690	Rp1.712.487	Rp1.835.683	Rp1.915.454	Rp2.004.089	Rp2.101.588	Rp2.207.950	Rp2.240.924	Rp2.276.435	Rp2.314.483	Rp2.355.067	Rp2.383.329	Rp2.413.254	Rp2.444.842	Rp2.478.092
29	Rp1.461.098	Rp1.538.095	Rp1.630.492	Rp1.738.289	Rp1.809.197	Rp1.888.968	Rp1.977.603	Rp2.075.102	Rp2.105.540	Rp2.138.514	Rp2.174.025	Rp2.212.073	Rp2.238.673	Rp2.266.935	Rp2.296.860	Rp2.328.448
30	Rp1.435.163	Rp1.496.761	Rp1.573.758	Rp1.666.155	Rp1.728.200	Rp1.799.108	Rp1.878.879	Rp1.967.514	Rp1.995.416	Rp2.025.854	Rp2.058.828	Rp2.094.339	Rp2.119.277	Rp2.145.877	Rp2.174.139	Rp2.204.064
31	Rp1.433.597	Rp1.479.795	Rp1.541.393	Rp1.618.391	Rp1.671.572	Rp1.733.616	Rp1.804.524	Rp1.884.296	Rp1.909.661	Rp1.937.562	Rp1.968.000	Rp2.000.979	Rp2.024.250	Rp2.049.187	Rp2.075.787	Rp2.104.050
32	Rp1.435.810	Rp1.466.609	Rp1.512.808	Rp1.574.406	Rp1.618.723	Rp1.671.904	Rp1.733.949	Rp1.804.857	Rp1.827.685	Rp1.853.050	Rp1.880.952	Rp1.911.390	Rp1.933.002	Rp1.956.277	Rp1.981.215	Rp2.007.815
33	Rp1.462.714	Rp1.478.114	Rp1.508.913	Rp1.555.111	Rp1.590.565	Rp1.634.883	Rp1.688.064	Rp1.750.108	Rp1.770.400	Rp1.793.229	Rp1.818.594	Rp1.846.495	Rp1.866.445	Rp1.888.058	Rp1.911.333	Rp1.936.270
34		Rp1.507.347	Rp1.522.746	Rp1.553.545	Rp1.580.136	Rp1.615.590	Rp1.659.907	Rp1.713.088	Rp1.730.844	Rp1.751.136	Rp1.773.964	Rp1.799.329	Rp1.817.617	Rp1.837.567	Rp1.859.179	Rp1.882.454
35			Rp1.540.359	Rp1.555.759	Rp1.573.486	Rp1.600.076	Rp1.635.530	Rp1.679.848	Rp1.695.067	Rp1.712.822	Rp1.733.114	Rp1.755.943	Rp1.772.568	Rp1.790.855	Rp1.810.805	Rp1.832.418
36				Rp1.582.663	Rp1.591.526	Rp1.609.253	Rp1.635.844	Rp1.671.298	Rp1.683.980	Rp1.699.199	Rp1.716.955	Rp1.737.247	Rp1.752.209	Rp1.768.834	Rp1.787.122	Rp1.807.072
37					Rp1.627.295	Rp1.636.159	Rp1.653.886	Rp1.680.476	Rp1.690.622	Rp1.703.305	Rp1.718.524	Rp1.736.279	Rp1.749.579	Rp1.764.542	Rp1.781.167	Rp1.799.454
38						Rp1.647.236	Rp1.673.826	Rp1.681.436	Rp1.691.582	Rp1.704.264	Rp1.719.483	Rp1.731.121	Rp1.744.421	Rp1.759.383	Rp1.776.008	
39							Rp1.673.826	Rp1.682.690	Rp1.687.763	Rp1.695.372	Rp1.705.518	Rp1.718.201	Rp1.728.176	Rp1.739.813	Rp1.753.113	Rp1.768.076
40								Rp1.709.280	Rp1.711.817	Rp1.716.890	Rp1.724.499	Rp1.734.645	Rp1.742.958	Rp1.752.933	Rp1.764.570	Rp1.777.870
41									Rp1.745.048	Rp1.760.267	Rp1.752.657	Rp1.766.917	Rp1.775.229	Rp1.785.204	Rp1.796.842	
42										Rp1.755.186	Rp1.757.722	Rp1.762.795	Rp1.767.783	Rp1.774.433	Rp1.782.745	Rp1.792.720
43											Rp1.765.332	Rp1.767.868	Rp1.771.193	Rp1.776.181	Rp1.782.831	Rp1.791.143
44												Rp1.778.014	Rp1.779.677	Rp1.783.002	Rp1.789.899	Rp1.794.639
45													Rp1.791.951	Rp1.793.613	Rp1.796.938	Rp1.801.926
46														Rp1.801.926	Rp1.803.588	Rp1.806.913
47															Rp1.813.563	Rp1.815.226
48																Rp1.826.863
fn	Rp1.433.597	Rp1.466.609	Rp1.508.913	Rp1.553.545	Rp1.573.486	Rp1.600.076	Rp1.635.530	Rp1.671.298	Rp1.681.436	Rp1.691.582	Rp1.704.264	Rp1.718.201	Rp1.728.176	Rp1.739.813	Rp1.753.113	Rp1.768.076

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Matriks Biaya Optimal																
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Rp73.750	Rp74.969	Rp77.406	Rp81.063	Rp84.588	Rp88.994	Rp94.281	Rp100.450	Rp108.700	Rp117.981	Rp128.294	Rp139.638	Rp154.038	Rp169.638	Rp186.438	Rp204.438
2		Rp147.500	Rp148.719	Rp151.156	Rp153.800	Rp157.325	Rp161.731	Rp167.019	Rp174.238	Rp182.488	Rp191.769	Rp202.081	Rp215.281	Rp229.681	Rp245.281	Rp262.081
3			Rp148.719	Rp149.938	Rp151.700	Rp154.344	Rp157.869	Rp162.275	Rp168.463	Rp175.681	Rp183.931	Rp193.213	Rp205.213	Rp218.413	Rp232.813	Rp248.413
4				Rp151.156	Rp152.038	Rp153.800	Rp156.444	Rp159.969	Rp165.125	Rp171.313	Rp178.531	Rp186.781	Rp197.581	Rp209.581	Rp222.781	Rp237.181
5					Rp154.813	Rp155.694	Rp157.456	Rp160.100	Rp164.225	Rp169.381	Rp175.569	Rp182.788	Rp192.388	Rp203.188	Rp215.188	Rp228.388
6						Rp158.338	Rp159.219	Rp160.981	Rp164.075	Rp168.200	Rp173.356	Rp179.544	Rp187.944	Rp197.544	Rp208.344	Rp220.344
7							Rp162.744	Rp163.625	Rp165.688	Rp168.781	Rp172.906	Rp178.063	Rp185.263	Rp193.663	Rp203.263	Rp214.063
8								Rp168.031	Rp169.063	Rp171.125	Rp174.219	Rp178.344	Rp184.344	Rp191.544	Rp199.944	Rp209.544
9									Rp174.200	Rp175.231	Rp177.294	Rp180.388	Rp185.188	Rp191.188	Rp198.388	Rp206.788
10										Rp182.450	Rp183.481	Rp185.544	Rp189.144	Rp193.944	Rp199.944	Rp207.144
11											Rp191.731	Rp192.763	Rp195.163	Rp198.763	Rp203.563	Rp209.563
12												Rp202.044	Rp203.244	Rp205.644	Rp209.244	Rp214.044
13													Rp213.388	Rp214.588	Rp216.988	Rp220.588
14														Rp227.788	Rp228.988	Rp231.388
15															Rp243.388	Rp244.588
16																Rp260.188
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fn	Rp73.750	Rp74.969	Rp77.406	Rp81.063	Rp84.588	Rp88.994	Rp94.281	Rp100.450	Rp108.700	Rp117.981	Rp128.294	Rp139.638	Rp154.038	Rp169.638	Rp186.438	Rp204.438

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp222.738	Rp242.181	Rp262.769	Rp284.500	Rp360.250	Rp439.788	Rp523.113	Rp610.225	Rp679.525	Rp751.713	Rp826.788	Rp904.750	Rp967.750	Rp1.033.000	Rp1.100.500	Rp1.170.250
2	Rp279.238	Rp297.538	Rp316.981	Rp337.569	Rp409.531	Rp485.281	Rp564.819	Rp648.144	Rp714.556	Rp783.856	Rp856.044	Rp931.119	Rp991.869	Rp1.054.869	Rp1.120.119	Rp1.187.619
3	Rp264.425	Rp281.581	Rp299.881	Rp319.325	Rp387.500	Rp459.463	Rp535.213	Rp614.750	Rp678.275	Rp744.688	Rp813.988	Rp886.175	Rp944.675	Rp1.005.425	Rp1.068.425	Rp1.133.675
4	Rp252.050	Rp268.063	Rp285.219	Rp303.519	Rp367.906	Rp436.081	Rp508.044	Rp583.794	Rp644.431	Rp707.956	Rp774.369	Rp843.669	Rp899.919	Rp958.419	Rp1.019.169	Rp1.082.169
5	Rp242.113	Rp256.981	Rp272.994	Rp290.150	Rp350.750	Rp415.138	Rp483.313	Rp555.275	Rp613.025	Rp673.663	Rp737.188	Rp803.600	Rp857.600	Rp913.850	Rp972.350	Rp1.033.100
6	Rp232.925	Rp246.650	Rp261.519	Rp277.531	Rp334.344	Rp394.944	Rp459.331	Rp527.506	Rp582.369	Rp640.119	Rp700.756	Rp764.281	Rp816.031	Rp870.031	Rp926.281	Rp984.781
7	Rp225.500	Rp238.081	Rp251.806	Rp266.675	Rp319.700	Rp376.513	Rp437.113	Rp501.500	Rp553.475	Rp608.338	Rp666.088	Rp726.725	Rp776.225	Rp827.975	Rp881.975	Rp938.225
8	Rp219.838	Rp231.275	Rp243.856	Rp257.581	Rp306.819	Rp359.844	Rp416.656	Rp477.256	Rp526.344	Rp578.319	Rp633.181	Rp690.931	Rp738.181	Rp787.681	Rp839.431	Rp893.431
9	Rp215.938	Rp226.231	Rp237.669	Rp250.250	Rp295.700	Rp344.938	Rp397.963	Rp454.775	Rp500.975	Rp550.063	Rp602.038	Rp656.900	Rp701.900	Rp749.150	Rp798.650	Rp850.400
10	Rp215.150	Rp224.300	Rp234.594	Rp246.031	Rp287.694	Rp333.144	Rp382.381	Rp435.406	Rp478.719	Rp524.919	Rp574.006	Rp625.981	Rp668.731	Rp713.731	Rp760.981	Rp810.481
11	Rp216.425	Rp224.431	Rp233.581	Rp243.875	Rp281.750	Rp323.413	Rp368.863	Rp418.100	Rp458.525	Rp501.838	Rp548.038	Rp597.125	Rp637.625	Rp680.375	Rp725.375	Rp772.625
12	Rp219.763	Rp226.625	Rp234.631	Rp243.781	Rp277.869	Rp315.744	Rp357.406	Rp402.856	Rp440.394	Rp480.819	Rp524.131	Rp570.331	Rp608.581	Rp649.081	Rp691.831	Rp736.831
13	Rp225.163	Rp230.881	Rp237.744	Rp245.750	Rp276.050	Rp310.138	Rp348.013	Rp389.675	Rp424.325	Rp461.863	Rp502.288	Rp545.600	Rp581.600	Rp619.850	Rp660.350	Rp703.100
14	Rp234.819	Rp239.394	Rp245.113	Rp251.975	Rp278.488	Rp308.788	Rp342.875	Rp380.750	Rp412.513	Rp447.163	Rp484.700	Rp525.125	Rp558.875	Rp594.875	Rp633.125	Rp673.625
15	Rp246.875	Rp250.306	Rp254.881	Rp260.600	Rp283.325	Rp309.838	Rp340.138	Rp374.225	Rp403.100	Rp434.863	Rp469.513	Rp507.050	Rp538.550	Rp572.300	Rp608.300	Rp646.550
16	Rp261.331	Rp263.619	Rp267.050	Rp271.625	Rp290.563	Rp313.288	Rp339.800	Rp370.100	Rp396.088	Rp424.963	Rp456.725	Rp491.375	Rp520.625	Rp552.125	Rp585.875	Rp621.875
17	Rp278.188	Rp279.331	Rp281.619	Rp285.050	Rp300.200	Rp319.138	Rp341.863	Rp368.375	Rp391.475	Rp417.463	Rp446.338	Rp478.100	Rp505.100	Rp534.350	Rp565.850	Rp599.600
18		Rp288.900	Rp290.044	Rp292.331	Rp303.694	Rp318.844	Rp337.781	Rp360.506	Rp380.719	Rp403.819	Rp429.806	Rp458.681	Rp483.431	Rp510.431	Rp539.681	Rp571.181
19			Rp298.050	Rp299.194	Rp306.769	Rp318.131	Rp333.281	Rp352.219	Rp369.544	Rp389.756	Rp412.856	Rp438.844	Rp461.344	Rp486.094	Rp513.094	Rp542.344
20				Rp307.331	Rp311.119	Rp318.694	Rp330.056	Rp345.206	Rp359.644	Rp376.969	Rp397.181	Rp420.281	Rp440.531	Rp463.031	Rp487.781	Rp514.781
21					Rp317.531	Rp321.319	Rp328.894	Rp340.256	Rp351.806	Rp366.244	Rp383.569	Rp403.781	Rp421.781	Rp442.031	Rp464.531	Rp489.281
22						Rp349.800	Rp353.588	Rp361.163	Rp369.825	Rp381.375	Rp395.813	Rp413.138	Rp428.888	Rp446.888	Rp467.138	Rp489.638
23							Rp382.538	Rp386.325	Rp392.100	Rp400.763	Rp412.313	Rp426.750	Rp440.250	Rp456.000	Rp474.000	Rp494.250
24								Rp402.644	Rp405.531	Rp411.306	Rp419.969	Rp431.519	Rp442.769	Rp456.269	Rp472.019	Rp490.019
25									Rp414.006	Rp416.894	Rp422.669	Rp431.331	Rp440.331	Rp451.581	Rp465.081	Rp480.831
26										Rp425.556	Rp428.444	Rp434.219	Rp440.969	Rp449.969	Rp461.219	Rp474.719
27											Rp439.994	Rp442.881	Rp447.381	Rp454.131	Rp463.131	Rp474.381
28												Rp457.319	Rp459.569	Rp464.069	Rp470.819	Rp479.819
29													Rp477.531	Rp479.781	Rp484.281	Rp491.031
30														Rp495.531	Rp497.781	Rp502.281
31															Rp515.781	Rp518.031
32																Rp534.969
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fn	Rp215.150	Rp224.300	Rp233.581	Rp243.781	Rp276.050	Rp308.788	Rp328.894	Rp340.256	Rp351.806	Rp366.244	Rp383.569	Rp403.781	Rp421.781	Rp442.031	Rp461.219	Rp474.381

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp1.242.250	Rp1.316.500	Rp1.393.000	Rp1.471.750	Rp1.766.725	Rp2.069.894	Rp2.381.256	Rp2.700.813	Rp2.787.813	Rp2.876.988	Rp2.968.338	Rp3.061.863	Rp3.145.188	Rp3.230.406	Rp3.317.519	Rp3.406.525
2	Rp1.257.369	Rp1.329.369	Rp1.403.619	Rp1.480.119	Rp1.766.900	Rp2.061.875	Rp2.365.044	Rp2.676.406	Rp2.761.231	Rp2.848.231	Rp2.937.406	Rp3.028.756	Rp3.110.188	Rp3.193.513	Rp3.278.731	Rp3.365.844
3	Rp1.201.175	Rp1.270.925	Rp1.342.925	Rp1.417.175	Rp1.695.763	Rp1.982.544	Rp2.277.519	Rp2.580.688	Rp2.663.338	Rp2.748.163	Rp2.835.163	Rp2.924.338	Rp3.003.875	Rp3.085.306	Rp3.168.631	Rp3.253.850
4	Rp1.147.419	Rp1.214.919	Rp1.284.669	Rp1.356.669	Rp1.627.063	Rp1.905.650	Rp2.192.431	Rp2.487.406	Rp2.567.881	Rp2.650.531	Rp2.735.356	Rp2.822.356	Rp2.900.000	Rp2.979.538	Rp3.060.969	Rp3.144.294
5	Rp1.096.100	Rp1.161.350	Rp1.228.850	Rp1.298.600	Rp1.560.800	Rp1.831.194	Rp2.109.781	Rp2.396.563	Rp2.474.863	Rp2.555.338	Rp2.637.988	Rp2.722.813	Rp2.798.563	Rp2.876.206	Rp2.955.744	Rp3.037.175
6	Rp1.045.531	Rp1.108.531	Rp1.173.781	Rp1.241.281	Rp1.495.288	Rp1.757.488	Rp2.027.881	Rp2.306.469	Rp2.382.594	Rp2.460.894	Rp2.541.369	Rp2.624.019	Rp2.697.875	Rp2.773.625	Rp2.851.269	Rp2.930.806
7	Rp996.725	Rp1.057.475	Rp1.120.475	Rp1.185.725	Rp1.431.538	Rp1.685.544	Rp1.947.744	Rp2.218.138	Rp2.292.088	Rp2.368.213	Rp2.446.513	Rp2.526.988	Rp2.598.950	Rp2.672.806	Rp2.748.556	Rp2.826.200
8	Rp949.681	Rp1.008.181	Rp1.068.931	Rp1.131.931	Rp1.369.550	Rp1.615.363	Rp1.869.369	Rp2.131.569	Rp2.203.344	Rp2.277.294	Rp2.353.419	Rp2.431.719	Rp2.501.788	Rp2.573.750	Rp2.647.606	Rp2.723.356
9	Rp904.400	Rp960.650	Rp1.019.150	Rp1.079.900	Rp1.309.325	Rp1.546.944	Rp1.792.756	Rp2.046.763	Rp2.116.363	Rp2.188.138	Rp2.262.088	Rp2.338.213	Rp2.406.388	Rp2.476.456	Rp2.548.419	Rp2.622.275
10	Rp862.231	Rp916.231	Rp972.481	Rp1.030.981	Rp1.252.213	Rp1.481.638	Rp1.719.256	Rp1.965.069	Rp2.032.494	Rp2.102.094	Rp2.173.869	Rp2.247.819	Rp2.314.100	Rp2.382.275	Rp2.452.344	Rp2.524.306
11	Rp822.125	Rp873.875	Rp927.875	Rp984.125	Rp1.197.163	Rp1.418.394	Rp1.647.819	Rp1.885.438	Rp1.950.688	Rp2.018.113	Rp2.087.713	Rp2.159.488	Rp2.223.875	Rp2.290.156	Rp2.358.331	Rp2.428.400
12	Rp784.081	Rp833.581	Rp885.331	Rp939.331	Rp1.144.175	Rp1.357.213	Rp1.578.444	Rp1.807.869	Rp1.870.944	Rp1.936.194	Rp2.003.619	Rp2.073.219	Rp2.135.713	Rp2.200.100	Rp2.266.381	Rp2.334.556
13	Rp748.100	Rp795.350	Rp844.850	Rp896.600	Rp1.093.250	Rp1.298.094	Rp1.511.131	Rp1.732.363	Rp1.793.263	Rp1.856.338	Rp1.921.588	Rp1.989.013	Rp2.049.613	Rp2.112.106	Rp2.176.494	Rp2.242.775
14	Rp716.375	Rp761.375	Rp808.625	Rp858.125	Rp1.046.581	Rp1.243.231	Rp1.448.075	Rp1.661.113	Rp1.719.838	Rp1.780.738	Rp1.843.813	Rp1.909.063	Rp1.967.769	Rp2.028.369	Rp2.090.863	Rp2.155.250
15	Rp687.050	Rp729.800	Rp774.800	Rp822.050	Rp1.002.313	Rp1.190.769	Rp1.387.419	Rp1.592.263	Rp1.648.813	Rp1.707.538	Rp1.768.438	Rp1.831.513	Rp1.888.325	Rp1.947.031	Rp2.007.631	Rp2.070.125
16	Rp660.125	Rp700.625	Rp743.375	Rp788.375	Rp960.444	Rp1.140.706	Rp1.329.163	Rp1.525.813	Rp1.580.188	Rp1.636.738	Rp1.695.463	Rp1.756.363	Rp1.811.281	Rp1.868.094	Rp1.926.800	Rp1.987.400
17	Rp635.600	Rp673.850	Rp714.350	Rp757.100	Rp920.975	Rp1.093.044	Rp1.273.306	Rp1.461.763	Rp1.513.963	Rp1.568.338	Rp1.624.888	Rp1.683.613	Rp1.736.638	Rp1.791.556	Rp1.848.369	Rp1.907.075
18	Rp604.931	Rp640.931	Rp679.181	Rp719.681	Rp875.363	Rp1.039.238	Rp1.211.306	Rp1.391.569	Rp1.441.594	Rp1.493.794	Rp1.548.169	Rp1.604.719	Rp1.655.850	Rp1.708.875	Rp1.763.794	Rp1.820.606
19	Rp573.844	Rp607.594	Rp643.594	Rp681.844	Rp829.331	Rp985.013	Rp1.148.888	Rp1.320.956	Rp1.368.806	Rp1.418.831	Rp1.471.031	Rp1.525.406	Rp1.574.644	Rp1.625.775	Rp1.678.800	Rp1.733.719
20	Rp544.031	Rp575.531	Rp609.281	Rp645.281	Rp784.575	Rp932.063	Rp1.087.744	Rp1.251.619	Rp1.297.294	Rp1.345.144	Rp1.395.169	Rp1.447.369	Rp1.494.713	Rp1.543.950	Rp1.595.081	Rp1.648.106
21	Rp516.281	Rp545.531	Rp577.031	Rp610.781	Rp741.881	Rp881.175	Rp1.028.663	Rp1.184.344	Rp1.227.844	Rp1.273.519	Rp1.321.369	Rp1.371.394	Rp1.416.844	Rp1.464.188	Rp1.513.425	Rp1.564.556
22	Rp514.388	Rp541.388	Rp570.638	Rp602.138	Rp725.044	Rp856.144	Rp995.438	Rp1.142.925	Rp1.184.250	Rp1.227.750	Rp1.273.425	Rp1.321.275	Rp1.364.831	Rp1.410.281	Rp1.457.625	Rp1.506.863
23	Rp516.750	Rp541.500	Rp568.500	Rp597.750	Rp712.463	Rp835.369	Rp966.469	Rp1.105.763	Rp1.144.913	Rp1.186.238	Rp1.229.738	Rp1.275.413	Rp1.317.075	Rp1.360.631	Rp1.406.081	Rp1.453.425
24	Rp510.269	Rp532.769	Rp557.519	Rp584.519	Rp691.038	Rp805.750	Rp928.656	Rp1.059.756	Rp1.096.731	Rp1.135.881	Rp1.177.206	Rp1.220.706	Rp1.260.475	Rp1.302.138	Rp1.345.694	Rp1.391.144
25	Rp498.831	Rp519.081	Rp541.581	Rp566.331	Rp664.656	Rp771.175	Rp885.888	Rp1.008.794	Rp1.043.594	Rp1.080.569	Rp1.119.719	Rp1.161.044	Rp1.198.919	Rp1.238.688	Rp1.280.350	Rp1.323.906
26	Rp490.469	Rp508.469	Rp528.719	Rp551.219	Rp641.350	Rp739.675	Rp846.194	Rp960.906	Rp993.531	Rp1.028.331	Rp1.065.306	Rp1.104.456	Rp1.140.438	Rp1.178.313	Rp1.218.081	Rp1.259.744
27	Rp487.881	Rp503.631	Rp521.631	Rp541.881	Rp623.819	Rp713.950	Rp812.275	Rp918.794	Rp949.244	Rp981.869	Rp1.016.669	Rp1.053.644	Rp1.087.731	Rp1.123.713	Rp1.161.588	Rp1.201.356
28	Rp491.069	Rp504.569	Rp520.319	Rp538.319	Rp612.063	Rp694.000	Rp784.131	Rp882.456	Rp910.731	Rp941.181	Rp973.806	Rp1.008.606	Rp1.040.800	Rp1.074.888	Rp1.110.869	Rp1.148.744
29	Rp500.031	Rp511.281	Rp524.781	Rp540.531	Rp606.081	Rp679.825	Rp761.763	Rp851.894	Rp877.994	Rp906.269	Rp936.719	Rp969.344	Rp999.644	Rp1.031.838	Rp1.065.925	Rp1.101.906
30	Rp509.031	Rp518.031	Rp529.281	Rp542.781	Rp600.138	Rp665.688	Rp739.431	Rp821.369	Rp845.294	Rp871.394	Rp899.669	Rp930.119	Rp958.525	Rp988.825	Rp1.021.019	Rp1.055.106
31	Rp522.531	Rp529.281	Rp538.281	Rp549.531	Rp598.694	Rp656.050	Rp721.600	Rp795.344	Rp817.094	Rp841.019	Rp867.119	Rp895.394	Rp921.906	Rp950.313	Rp980.613	Rp1.012.806
32	Rp537.219	Rp541.719	Rp548.469	Rp557.469	Rp598.438	Rp647.600	Rp704.956	Rp770.506	Rp790.081	Rp811.831	Rp835.756	Rp861.856	Rp886.475	Rp912.988	Rp941.394	Rp971.694
33	Rp548.131	Rp550.381	Rp554.881	Rp561.631	Rp594.406	Rp635.375	Rp684.538	Rp741.894	Rp759.294	Rp778.869	Rp800.619	Rp824.544	Rp847.269	Rp871.888	Rp898.400	Rp926.806
34		Rp561.631	Rp563.881	Rp568.381	Rp592.963	Rp625.738	Rp666.706	Rp715.869	Rp731.094	Rp748.494	Rp768.069	Rp789.819	Rp810.650	Rp833.375	Rp857.994	Rp884.506
35			Rp577.381	Rp579.631	Rp596.019	Rp620.600	Rp653.375	Rp694.344	Rp707.394	Rp722.619	Rp740.019	Rp759.594	Rp778.531	Rp799.363	Rp822.088	Rp846.706
36				Rp594.069	Rp602.263	Rp618.650	Rp643.231	Rp676.006	Rp686.881	Rp699.931	Rp715.156	Rp732.556	Rp749.600	Rp768.538	Rp789.369	Rp812.094
37					Rp612.069	Rp620.263	Rp636.650	Rp661.231	Rp669.931	Rp680.806	Rp693.856	Rp709.081	Rp724.231	Rp741.275	Rp760.213	Rp781.044
38						Rp674.906	Rp691.294	Rp706.519	Rp717.394	Rp730.444	Rp743.700	Rp758.850	Rp775.894	Rp794.831		
39							Rp692.400	Rp700.594	Rp704.944	Rp711.469	Rp720.169	Rp731.044	Rp742.406	Rp755.663	Rp770.813	Rp787.856
40								Rp710.400	Rp712.575	Rp716.925	Rp723.450	Rp732.150	Rp741.619	Rp752.981	Rp766.238	Rp781.388
41									Rp734.981	Rp737.156	Rp741.506	Rp748.031	Rp755.606	Rp765.075	Rp776.438	Rp789.694
42										Rp743.681	Rp745.856	Rp750.206	Rp755.888	Rp763.463	Rp772.931	Rp784.294
43											Rp754.556	Rp756.731	Rp760.519	Rp766.200	Rp773.775	Rp783.244
44												Rp767.606	Rp769.500	Rp773.288	Rp778.969	Rp786.544
45													Rp782.831	Rp784.725	Rp788.513	Rp794.194
46														Rp797.981	Rp799.875	Rp803.663
47															Rp815.025	Rp816.919
48																Rp833.963
fn	Rp487.881	Rp503.631	Rp520.319	Rp538.319	Rp592.963	Rp618.650	Rp636.650	Rp661.231	Rp669.931	Rp680.806	Rp693.856	Rp709.081	Rp724.231	Rp741.275	Rp760.213	Rp781.044

- Agen Aneka Usaha Jenis AirKu galon

Matriks Biaya Optimal																
O	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Rp73.750	Rp73.838	Rp74.013	Rp74.275	Rp74.625	Rp75.063	Rp75.588	Rp76.200	Rp76.750	Rp77.369	Rp78.056	Rp78.813	Rp80.088	Rp81.469	Rp82.956	Rp84.550
2		Rp147.500	Rp147.588	Rp147.763	Rp148.025	Rp148.375	Rp148.813	Rp149.338	Rp149.819	Rp150.369	Rp150.988	Rp151.675	Rp152.844	Rp154.119	Rp155.500	Rp156.988
3			Rp147.588	Rp147.675	Rp147.850	Rp148.113	Rp148.463	Rp148.900	Rp149.313	Rp149.794	Rp150.344	Rp150.963	Rp152.025	Rp153.194	Rp154.469	Rp155.850
4				Rp147.763	Rp147.850	Rp148.025	Rp148.288	Rp148.638	Rp148.981	Rp149.394	Rp149.875	Rp150.425	Rp151.381	Rp152.444	Rp153.613	Rp154.888
5					Rp148.025	Rp148.113	Rp148.288	Rp148.550	Rp148.825	Rp149.169	Rp149.581	Rp150.063	Rp150.913	Rp151.869	Rp152.931	Rp154.100
6						Rp148.375	Rp148.463	Rp148.638	Rp148.844	Rp149.119	Rp149.463	Rp149.875	Rp150.619	Rp151.469	Rp152.425	Rp153.488
7							Rp148.813	Rp148.900	Rp149.038	Rp149.244	Rp149.519	Rp149.863	Rp150.500	Rp151.244	Rp152.094	Rp153.050
8								Rp149.338	Rp149.406	Rp149.544	Rp149.750	Rp150.025	Rp150.556	Rp151.194	Rp151.938	Rp152.788
9									Rp149.950	Rp150.019	Rp150.156	Rp150.363	Rp150.788	Rp151.319	Rp151.956	Rp152.700
10										Rp150.500	Rp150.569	Rp150.706	Rp151.025	Rp151.450	Rp151.981	Rp152.619
11											Rp151.119	Rp151.188	Rp151.400	Rp151.719	Rp152.144	Rp152.675
12												Rp151.806	Rp151.913	Rp152.125	Rp152.444	Rp152.869
13													Rp152.563	Rp152.669	Rp152.881	Rp153.200
14														Rp153.838	Rp153.944	Rp154.156
15															Rp155.219	Rp155.325
16																Rp156.706
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fn	Rp73.750	Rp73.838	Rp74.013	Rp74.275	Rp74.625	Rp75.063	Rp75.588	Rp76.200	Rp76.750	Rp77.369	Rp78.056	Rp78.813	Rp80.088	Rp81.469	Rp82.956	Rp84.550

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp87.250	Rp90.119	Rp93.156	Rp96.363	Rp97.488	Rp98.669	Rp99.906	Rp101.200	Rp103.000	Rp104.875	Rp106.825	Rp108.850	Rp110.950	Rp113.125	Rp115.375	Rp117.700
2	Rp159.519	Rp162.219	Rp165.088	Rp168.125	Rp169.194	Rp170.319	Rp171.500	Rp172.738	Rp174.463	Rp176.263	Rp178.138	Rp180.088	Rp182.113	Rp184.213	Rp186.388	Rp188.638
3	Rp158.213	Rp160.744	Rp163.444	Rp166.313	Rp167.325	Rp168.394	Rp169.519	Rp170.700	Rp172.350	Rp174.075	Rp175.875	Rp177.750	Rp179.700	Rp181.725	Rp183.825	Rp186.000
4	Rp157.081	Rp159.444	Rp161.975	Rp164.675	Rp165.631	Rp166.644	Rp167.713	Rp168.838	Rp170.413	Rp172.063	Rp173.788	Rp175.588	Rp177.463	Rp179.413	Rp181.438	Rp183.538
5	Rp156.125	Rp158.319	Rp160.681	Rp163.213	Rp164.113	Rp165.069	Rp166.081	Rp167.150	Rp168.650	Rp170.225	Rp171.875	Rp173.600	Rp175.400	Rp177.275	Rp179.225	Rp181.250
6	Rp155.344	Rp157.369	Rp159.563	Rp161.925	Rp162.769	Rp163.669	Rp164.625	Rp165.638	Rp167.063	Rp168.563	Rp170.138	Rp171.788	Rp173.513	Rp175.313	Rp177.188	Rp179.138
7	Rp154.738	Rp156.594	Rp158.619	Rp160.813	Rp161.600	Rp162.444	Rp163.344	Rp164.300	Rp165.650	Rp167.075	Rp168.575	Rp170.150	Rp171.800	Rp173.525	Rp175.325	Rp177.200
8	Rp154.306	Rp155.994	Rp157.850	Rp159.875	Rp160.606	Rp161.394	Rp162.238	Rp163.138	Rp164.413	Rp165.763	Rp167.188	Rp168.688	Rp170.263	Rp171.913	Rp173.638	Rp175.438
9	Rp154.050	Rp155.569	Rp157.256	Rp159.113	Rp159.788	Rp160.519	Rp161.306	Rp162.150	Rp163.350	Rp164.625	Rp165.975	Rp167.400	Rp168.900	Rp170.475	Rp172.125	Rp173.850
10	Rp153.800	Rp155.150	Rp156.669	Rp158.356	Rp158.975	Rp159.650	Rp160.381	Rp161.169	Rp162.294	Rp163.494	Rp164.769	Rp166.119	Rp167.544	Rp169.044	Rp170.619	Rp172.269
11	Rp153.688	Rp154.869	Rp156.219	Rp157.738	Rp158.300	Rp158.919	Rp159.594	Rp160.325	Rp161.375	Rp162.500	Rp163.700	Rp164.975	Rp166.325	Rp167.750	Rp169.250	Rp170.825
12	Rp153.713	Rp154.725	Rp155.906	Rp157.256	Rp157.763	Rp158.325	Rp158.944	Rp159.619	Rp160.594	Rp161.644	Rp162.769	Rp163.969	Rp165.244	Rp166.594	Rp168.019	Rp169.519
13	Rp153.875	Rp154.719	Rp155.731	Rp156.913	Rp157.363	Rp157.869	Rp158.431	Rp159.050	Rp159.950	Rp160.925	Rp161.975	Rp163.100	Rp164.300	Rp165.575	Rp166.925	Rp168.350
14	Rp154.663	Rp155.338	Rp156.181	Rp157.194	Rp157.588	Rp158.038	Rp158.544	Rp159.106	Rp159.931	Rp160.831	Rp161.806	Rp162.856	Rp163.981	Rp165.181	Rp166.456	Rp167.806
15	Rp155.663	Rp156.169	Rp156.844	Rp157.688	Rp158.025	Rp158.419	Rp158.869	Rp159.375	Rp160.125	Rp160.950	Rp161.850	Rp162.825	Rp163.875	Rp165.000	Rp166.200	Rp167.475
16	Rp156.875	Rp157.213	Rp157.719	Rp158.394	Rp158.675	Rp159.013	Rp159.406	Rp159.856	Rp160.531	Rp161.281	Rp162.106	Rp163.006	Rp163.981	Rp165.031	Rp166.156	Rp167.356
17	Rp158.300	Rp158.469	Rp158.806	Rp159.313	Rp159.538	Rp159.819	Rp160.156	Rp160.550	Rp161.150	Rp161.825	Rp162.575	Rp163.400	Rp164.300	Rp165.275	Rp166.325	Rp167.450
18		Rp161.000	Rp161.169	Rp161.506	Rp161.675	Rp161.900	Rp162.181	Rp162.519	Rp163.044	Rp163.644	Rp164.319	Rp165.069	Rp165.894	Rp166.794	Rp167.769	Rp168.819
19			Rp163.869	Rp164.038	Rp164.150	Rp164.319	Rp164.544	Rp164.825	Rp165.275	Rp165.800	Rp166.400	Rp167.075	Rp167.825	Rp168.650	Rp169.550	Rp170.525
20				Rp166.906	Rp166.963	Rp167.075	Rp167.244	Rp167.469	Rp167.844	Rp168.294	Rp168.819	Rp169.419	Rp170.094	Rp170.844	Rp171.669	Rp172.569
21					Rp170.113	Rp170.169	Rp170.281	Rp170.450	Rp170.750	Rp171.125	Rp171.575	Rp172.100	Rp172.700	Rp173.375	Rp174.125	Rp174.950
22						Rp171.238	Rp171.294	Rp171.406	Rp171.631	Rp171.931	Rp172.306	Rp172.756	Rp173.281	Rp173.881	Rp174.556	Rp175.306
23							Rp172.419	Rp172.475	Rp172.625	Rp172.850	Rp173.150	Rp173.525	Rp173.975	Rp174.500	Rp175.100	Rp175.775
24								Rp173.656	Rp173.731	Rp173.881	Rp174.106	Rp174.406	Rp174.781	Rp175.231	Rp175.756	Rp176.356
25									Rp174.950	Rp175.025	Rp175.175	Rp175.400	Rp175.700	Rp176.075	Rp176.525	Rp177.050
26										Rp176.750	Rp176.825	Rp176.975	Rp177.200	Rp177.500	Rp177.875	Rp178.325
27											Rp178.625	Rp178.700	Rp178.850	Rp179.075	Rp179.375	Rp179.750
28												Rp180.575	Rp180.650	Rp180.800	Rp181.025	Rp181.325
29													Rp182.600	Rp182.675	Rp182.825	Rp183.050
30														Rp184.700	Rp184.775	Rp184.925
31															Rp186.875	Rp186.950
32																Rp189.125
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fn	Rp87.250	Rp90.119	Rp93.156	Rp96.363	Rp97.488	Rp98.669	Rp99.906	Rp101.200	Rp103.000	Rp104.875	Rp106.825	Rp108.850	Rp110.950	Rp113.125	Rp115.375	Rp117.700

Matriks Biaya Optimal

O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp121.300	Rp125.013	Rp128.838	Rp132.775	Rp135.250	Rp137.794	Rp140.406	Rp143.088	Rp147.588	Rp152.200	Rp156.925	Rp161.763	Rp164.788	Rp167.881	Rp171.044	Rp174.275
2	Rp192.125	Rp195.725	Rp199.438	Rp203.263	Rp205.669	Rp208.144	Rp210.688	Rp213.300	Rp217.688	Rp222.188	Rp226.800	Rp231.525	Rp234.481	Rp237.506	Rp240.600	Rp243.763
3	Rp189.375	Rp192.863	Rp196.463	Rp200.175	Rp202.513	Rp204.919	Rp207.394	Rp209.938	Rp214.213	Rp218.600	Rp223.100	Rp227.713	Rp230.600	Rp233.556	Rp236.581	Rp239.675
4	Rp186.800	Rp190.175	Rp193.663	Rp197.263	Rp199.531	Rp201.869	Rp204.275	Rp206.750	Rp210.913	Rp215.188	Rp219.575	Rp224.075	Rp226.894	Rp229.781	Rp232.738	Rp235.763
5	Rp184.400	Rp187.663	Rp191.038	Rp194.525	Rp196.725	Rp198.994	Rp201.331	Rp203.738	Rp207.788	Rp211.950	Rp216.225	Rp220.613	Rp223.363	Rp226.181	Rp229.069	Rp232.025
6	Rp182.175	Rp185.325	Rp188.588	Rp191.963	Rp194.094	Rp196.294	Rp198.563	Rp200.900	Rp204.838	Rp208.888	Rp213.050	Rp217.325	Rp220.006	Rp222.756	Rp225.575	Rp228.463
7	Rp180.125	Rp183.163	Rp186.313	Rp189.575	Rp191.638	Rp193.769	Rp195.969	Rp198.238	Rp202.063	Rp206.000	Rp210.050	Rp214.213	Rp216.825	Rp219.506	Rp222.256	Rp225.075
8	Rp178.250	Rp181.175	Rp184.213	Rp187.363	Rp189.356	Rp191.419	Rp193.550	Rp195.750	Rp199.463	Rp203.288	Rp207.225	Rp211.275	Rp213.819	Rp216.431	Rp219.113	Rp221.863
9	Rp176.550	Rp179.363	Rp182.288	Rp185.325	Rp187.250	Rp189.244	Rp191.306	Rp193.438	Rp197.038	Rp200.750	Rp204.575	Rp208.513	Rp210.988	Rp213.531	Rp216.144	Rp218.825
10	Rp174.856	Rp177.556	Rp180.369	Rp183.294	Rp185.150	Rp187.075	Rp189.069	Rp191.131	Rp194.619	Rp198.219	Rp201.931	Rp205.756	Rp208.163	Rp210.638	Rp213.181	Rp215.794
11	Rp173.300	Rp175.888	Rp178.588	Rp181.400	Rp183.188	Rp185.044	Rp186.969	Rp188.963	Rp192.338	Rp195.825	Rp199.425	Rp203.138	Rp205.475	Rp207.881	Rp210.356	Rp212.900
12	Rp171.881	Rp174.356	Rp176.944	Rp179.644	Rp181.363	Rp183.150	Rp185.006	Rp186.931	Rp190.194	Rp193.569	Rp197.056	Rp200.656	Rp202.925	Rp205.263	Rp207.669	Rp210.144
13	Rp170.600	Rp172.963	Rp175.438	Rp178.025	Rp179.675	Rp181.394	Rp183.181	Rp185.038	Rp188.188	Rp191.450	Rp194.825	Rp198.313	Rp200.513	Rp202.781	Rp205.119	Rp207.525
14	Rp169.944	Rp172.194	Rp174.556	Rp177.031	Rp178.613	Rp180.263	Rp181.981	Rp183.769	Rp186.806	Rp189.956	Rp193.219	Rp196.594	Rp198.725	Rp200.925	Rp203.194	Rp205.531
15	Rp169.500	Rp171.638	Rp173.888	Rp176.250	Rp177.763	Rp179.344	Rp180.994	Rp182.713	Rp185.638	Rp188.675	Rp191.825	Rp195.088	Rp197.150	Rp199.281	Rp201.481	Rp203.750
16	Rp169.269	Rp171.294	Rp173.431	Rp175.681	Rp177.125	Rp178.638	Rp180.219	Rp181.869	Rp184.681	Rp187.606	Rp190.644	Rp193.794	Rp195.788	Rp197.850	Rp199.981	Rp202.181
17	Rp169.250	Rp171.163	Rp173.188	Rp175.325	Rp176.700	Rp178.144	Rp179.656	Rp181.238	Rp183.938	Rp186.750	Rp189.675	Rp192.713	Rp194.638	Rp196.631	Rp198.694	Rp200.825
18	Rp170.506	Rp172.306	Rp174.219	Rp176.244	Rp177.550	Rp178.925	Rp180.369	Rp181.881	Rp184.469	Rp187.169	Rp189.981	Rp192.906	Rp194.763	Rp196.688	Rp198.681	Rp200.744
19	Rp172.100	Rp173.788	Rp175.588	Rp177.500	Rp178.738	Rp180.044	Rp181.419	Rp182.863	Rp185.338	Rp187.925	Rp190.625	Rp193.438	Rp195.225	Rp197.081	Rp199.006	Rp201.000
20	Rp174.031	Rp175.606	Rp177.294	Rp179.094	Rp180.263	Rp181.500	Rp182.806	Rp184.181	Rp186.544	Rp189.019	Rp191.606	Rp194.306	Rp196.025	Rp197.813	Rp199.669	Rp201.594
21	Rp176.300	Rp177.763	Rp179.338	Rp181.025	Rp182.125	Rp183.294	Rp184.531	Rp185.838	Rp188.088	Rp190.450	Rp192.925	Rp195.513	Rp197.163	Rp198.881	Rp200.669	Rp202.525
22	Rp176.544	Rp177.894	Rp179.356	Rp180.931	Rp181.963	Rp183.063	Rp184.231	Rp185.469	Rp187.606	Rp189.856	Rp192.219	Rp194.694	Rp196.275	Rp197.925	Rp199.644	Rp201.431
23	Rp176.900	Rp178.138	Rp179.488	Rp180.950	Rp181.913	Rp182.944	Rp184.044	Rp185.213	Rp187.238	Rp189.375	Rp191.625	Rp193.988	Rp195.500	Rp197.081	Rp198.731	Rp200.450
24	Rp177.369	Rp178.494	Rp179.731	Rp181.081	Rp181.975	Rp182.938	Rp183.969	Rp185.069	Rp186.981	Rp189.006	Rp191.144	Rp193.394	Rp194.838	Rp196.350	Rp197.931	Rp199.581
25	Rp177.950	Rp178.963	Rp180.088	Rp181.325	Rp182.150	Rp183.044	Rp184.006	Rp185.038	Rp186.838	Rp188.750	Rp190.775	Rp192.913	Rp194.288	Rp195.731	Rp197.244	Rp198.825
26	Rp179.113	Rp180.013	Rp181.025	Rp182.150	Rp182.906	Rp183.731	Rp184.625	Rp185.588	Rp187.275	Rp189.075	Rp190.988	Rp193.013	Rp194.319	Rp195.694	Rp197.138	Rp198.650
27	Rp180.425	Rp181.213	Rp182.113	Rp183.125	Rp183.813	Rp184.569	Rp185.394	Rp186.288	Rp187.863	Rp189.550	Rp191.350	Rp193.263	Rp194.500	Rp195.806	Rp197.181	Rp198.625
28	Rp181.888	Rp182.563	Rp183.350	Rp184.250	Rp184.869	Rp185.556	Rp186.313	Rp187.138	Rp188.600	Rp190.175	Rp191.863	Rp193.663	Rp194.831	Rp196.069	Rp197.375	Rp198.750
29	Rp183.500	Rp184.063	Rp184.738	Rp185.525	Rp186.075	Rp186.694	Rp187.381	Rp188.138	Rp189.488	Rp190.950	Rp192.525	Rp194.213	Rp195.313	Rp196.481	Rp197.719	Rp199.025
30	Rp185.263	Rp185.713	Rp186.275	Rp186.950	Rp187.431	Rp187.981	Rp188.600	Rp189.288	Rp190.525	Rp191.875	Rp193.338	Rp194.913	Rp195.944	Rp197.044	Rp198.213	Rp199.450
31	Rp187.175	Rp187.513	Rp187.963	Rp188.525	Rp188.938	Rp189.419	Rp189.969	Rp190.588	Rp191.713	Rp192.950	Rp194.300	Rp195.763	Rp196.725	Rp197.756	Rp198.856	Rp200.025
32	Rp189.238	Rp189.463	Rp189.800	Rp190.250	Rp190.594	Rp191.006	Rp191.488	Rp192.038	Rp193.050	Rp194.175	Rp195.413	Rp196.763	Rp197.656	Rp198.619	Rp199.650	Rp200.750
33	Rp191.450	Rp191.563	Rp191.788	Rp192.125	Rp192.400	Rp192.744	Rp193.156	Rp193.638	Rp194.538	Rp195.550	Rp196.675	Rp197.913	Rp198.738	Rp199.631	Rp200.594	Rp201.625
34		Rp195.050	Rp195.163	Rp195.388	Rp195.594	Rp195.869	Rp196.213	Rp196.625	Rp197.413	Rp198.313	Rp199.325	Rp200.450	Rp201.206	Rp202.031	Rp202.925	Rp203.888
35			Rp198.763	Rp198.875	Rp199.013	Rp199.219	Rp199.494	Rp199.838	Rp200.513	Rp201.300	Rp202.200	Rp203.213	Rp203.900	Rp204.656	Rp205.481	Rp206.375
36				Rp202.588	Rp202.656	Rp202.794	Rp203.000	Rp203.275	Rp203.838	Rp204.513	Rp205.300	Rp206.200	Rp206.819	Rp207.506	Rp208.263	Rp209.088
37					Rp206.525	Rp206.594	Rp206.731	Rp206.938	Rp207.388	Rp207.950	Rp208.625	Rp209.413	Rp209.963	Rp210.581	Rp211.269	Rp212.025
38						Rp209.000	Rp209.069	Rp209.206	Rp209.544	Rp209.994	Rp210.556	Rp211.231	Rp211.713	Rp212.263	Rp212.881	Rp213.569
39							Rp211.544	Rp211.613	Rp211.838	Rp212.175	Rp212.625	Rp213.188	Rp213.600	Rp214.081	Rp214.631	Rp215.250
40								Rp214.156	Rp214.269	Rp214.494	Rp214.831	Rp215.281	Rp215.625	Rp216.038	Rp216.519	Rp217.069
41									Rp216.838	Rp216.950	Rp217.175	Rp217.513	Rp217.788	Rp218.131	Rp218.544	Rp219.025
42										Rp221.338	Rp221.450	Rp221.675	Rp221.881	Rp222.156	Rp222.500	Rp222.913
43											Rp225.950	Rp226.063	Rp226.200	Rp226.406	Rp226.681	Rp227.025
44												Rp230.675	Rp230.744	Rp230.881	Rp231.088	Rp231.363
45													Rp235.513	Rp235.581	Rp235.719	Rp235.925
46														Rp238.538	Rp238.606	Rp238.744
47															Rp241.631	Rp241.700
48																Rp244.794
fn	Rp121.300	Rp125.013	Rp128.838	Rp132.775	Rp135.250	Rp137.794	Rp140.406	Rp143.088	Rp147.588	Rp152.200	Rp156.925	Rp161.763	Rp164.788	Rp167.881	Rp171.044	Rp174.275

- Agen Kantor Pos Jenis AirKu cup

Matriks Biaya Optimal																	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp75.840	Rp80.020	Rp86.290	Rp93.928	Rp103.476	Rp114.933	Rp128.299	Rp137.267	Rp147.356	Rp158.566	Rp170.897	Rp190.505	Rp211.747	Rp234.623	Rp259.133	
2		Rp147.500	Rp149.590	Rp153.770	Rp159.499	Rp167.137	Rp176.684	Rp188.141	Rp195.988	Rp204.956	Rp215.045	Rp226.255	Rp244.229	Rp263.837	Rp285.079	Rp307.955	
3			Rp149.590	Rp151.680	Rp155.499	Rp161.228	Rp168.866	Rp178.413	Rp185.139	Rp192.986	Rp201.954	Rp212.043	Rp228.383	Rp246.357	Rp265.965	Rp287.207	
4				Rp153.770	Rp155.680	Rp159.499	Rp165.227	Rp172.865	Rp178.470	Rp185.196	Rp193.043	Rp202.011	Rp216.717	Rp233.057	Rp251.031	Rp270.639	
5					Rp160.040	Rp161.950	Rp165.769	Rp171.497	Rp175.981	Rp181.586	Rp188.312	Rp196.159	Rp209.231	Rp223.937	Rp240.277	Rp258.251	
6						Rp167.678	Rp169.588	Rp173.407	Rp176.770	Rp181.254	Rp186.859	Rp193.585	Rp205.023	Rp218.095	Rp232.801	Rp249.141	
7							Rp177.226	Rp179.135	Rp181.377	Rp184.740	Rp189.224	Rp194.829	Rp204.633	Rp216.071	Rp229.143	Rp243.849	
8								Rp188.683	Rp189.804	Rp192.046	Rp195.409	Rp199.893	Rp208.063	Rp217.867	Rp229.305	Rp242.377	
9									Rp202.049	Rp203.170	Rp205.412	Rp208.775	Rp215.311	Rp223.481	Rp233.285	Rp244.723	
10										Rp211.017	Rp212.138	Rp214.380	Rp219.282	Rp225.818	Rp233.988	Rp243.792	
11											Rp221.106	Rp222.227	Rp225.495	Rp230.397	Rp236.933	Rp245.103	
12												Rp232.316	Rp233.950	Rp237.218	Rp242.120	Rp248.656	
13													Rp244.647	Rp246.281	Rp249.549	Rp254.451	
14														Rp264.255	Rp265.889	Rp269.157	
15															Rp285.497	Rp287.131	
16																Rp302.893	
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47																	
48																	
fn	Rp73.750	Rp75.840	Rp80.020	Rp86.290	Rp93.928	Rp103.476	Rp114.933	Rp128.299	Rp137.267	Rp147.356	Rp158.566	Rp170.897	Rp190.505	Rp211.747	Rp229.143	Rp242.377	

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp332.853	Rp411.181	Rp494.116	Rp581.658	Rp682.738	Rp788.872	Rp900.060	Rp1.016.302	Rp1.073.758	Rp1.133.608	Rp1.195.852	Rp1.260.490	Rp1.373.274	Rp1.490.086	Rp1.610.926	Rp1.735.794
2	Rp377.068	Rp450.788	Rp529.115	Rp612.050	Rp708.076	Rp809.156	Rp915.290	Rp1.026.478	Rp1.081.540	Rp1.138.996	Rp1.198.846	Rp1.261.090	Rp1.369.846	Rp1.482.630	Rp1.599.442	Rp1.720.282
3	Rp351.712	Rp420.825	Rp494.545	Rp572.872	Rp663.844	Rp759.870	Rp860.950	Rp967.084	Rp1.019.752	Rp1.074.814	Rp1.132.270	Rp1.192.120	Rp1.296.848	Rp1.405.604	Rp1.518.388	Rp1.635.200
4	Rp330.537	Rp395.042	Rp464.154	Rp537.874	Rp623.792	Rp714.764	Rp810.790	Rp911.870	Rp962.144	Rp1.014.812	Rp1.069.874	Rp1.127.330	Rp1.228.030	Rp1.332.758	Rp1.441.514	Rp1.554.298
5	Rp313.541	Rp373.439	Rp437.944	Rp507.056	Rp587.920	Rp673.838	Rp764.810	Rp860.836	Rp908.716	Rp958.990	Rp1.011.658	Rp1.066.720	Rp1.163.392	Rp1.264.092	Rp1.368.820	Rp1.477.576
6	Rp299.823	Rp355.113	Rp415.011	Rp479.516	Rp555.326	Rp636.190	Rp722.108	Rp813.080	Rp858.566	Rp906.446	Rp956.720	Rp1.009.388	Rp1.102.032	Rp1.198.704	Rp1.299.404	Rp1.404.132
7	Rp289.924	Rp340.607	Rp395.897	Rp455.794	Rp526.550	Rp602.360	Rp683.224	Rp769.142	Rp812.234	Rp857.720	Rp905.600	Rp955.874	Rp1.044.490	Rp1.137.134	Rp1.233.806	Rp1.334.506
8	Rp283.844	Rp329.919	Rp380.602	Rp435.892	Rp501.594	Rp572.350	Rp648.160	Rp729.024	Rp769.722	Rp812.814	Rp858.300	Rp906.180	Rp990.768	Rp1.079.384	Rp1.172.028	Rp1.268.700
9	Rp281.583	Rp323.051	Rp369.126	Rp419.808	Rp480.456	Rp546.158	Rp616.914	Rp692.724	Rp731.028	Rp771.726	Rp814.818	Rp860.304	Rp940.864	Rp1.025.452	Rp1.114.068	Rp1.206.712
10	Rp276.045	Rp312.905	Rp354.372	Rp400.447	Rp456.041	Rp516.689	Rp582.391	Rp653.147	Rp689.057	Rp727.361	Rp768.059	Rp811.151	Rp887.683	Rp968.243	Rp1.052.831	Rp1.141.447
11	Rp272.748	Rp305.001	Rp341.861	Rp383.328	Rp433.868	Rp489.462	Rp550.110	Rp615.812	Rp649.328	Rp685.238	Rp723.542	Rp764.240	Rp836.744	Rp913.276	Rp993.836	Rp1.078.424
12	Rp271.694	Rp299.339	Rp331.591	Rp368.451	Rp413.937	Rp464.477	Rp520.071	Rp580.719	Rp611.841	Rp645.357	Rp681.267	Rp719.571	Rp788.047	Rp860.551	Rp937.083	Rp1.017.643
13	Rp272.881	Rp295.919	Rp323.564	Rp355.816	Rp396.248	Rp441.734	Rp492.274	Rp547.868	Rp576.596	Rp607.718	Rp641.234	Rp677.144	Rp741.592	Rp810.068	Rp882.572	Rp959.104
14	Rp282.980	Rp301.410	Rp324.447	Rp352.092	Rp387.470	Rp427.902	Rp473.388	Rp523.928	Rp550.262	Rp578.990	Rp610.112	Rp643.628	Rp704.048	Rp768.496	Rp836.972	Rp909.476
15	Rp296.346	Rp310.169	Rp328.599	Rp351.636	Rp381.960	Rp417.338	Rp457.770	Rp503.256	Rp527.196	Rp553.530	Rp582.258	Rp613.380	Rp669.772	Rp730.192	Rp794.640	Rp863.116
16	Rp307.501	Rp316.716	Rp330.538	Rp348.968	Rp374.238	Rp404.562	Rp439.940	Rp480.372	Rp501.918	Rp525.858	Rp552.192	Rp580.920	Rp633.284	Rp689.676	Rp750.096	Rp814.544
17	Rp316.127	Rp320.734	Rp329.949	Rp343.772	Rp363.988	Rp389.258	Rp419.582	Rp454.960	Rp474.112	Rp495.658	Rp519.598	Rp545.932	Rp594.268	Rp646.632	Rp703.024	Rp763.444
18		Rp345.444		Rp350.051	Rp359.266	Rp374.428	Rp394.644	Rp419.914	Rp450.238	Rp466.996	Rp486.148	Rp507.694	Rp531.634	Rp575.942	Rp624.278	Rp676.642
19			Rp369.669	Rp374.276	Rp384.384	Rp399.546	Rp419.762	Rp445.032	Rp459.396	Rp476.154	Rp495.306	Rp516.852	Rp557.132	Rp601.440	Rp649.776	Rp702.140
20				Rp397.314	Rp402.368	Rp412.476	Rp427.638	Rp447.854	Rp459.824	Rp474.188	Rp490.946	Rp510.098	Rp546.350	Rp586.630	Rp630.938	Rp679.274
21					Rp417.522	Rp432.684	Rp447.846	Rp457.422	Rp469.392	Rp483.756	Rp500.514	Rp532.738	Rp568.990	Rp609.270	Rp653.578	
22						Rp437.738	Rp442.792	Rp452.900	Rp460.082	Rp469.658	Rp481.628	Rp495.992	Rp524.188	Rp556.412	Rp592.664	Rp632.944
23							Rp463.008	Rp468.062	Rp472.850	Rp480.032	Rp489.608	Rp501.578	Rp525.746	Rp553.942	Rp586.166	Rp622.418
24								Rp493.332	Rp495.726	Rp500.514	Rp507.696	Rp517.272	Rp537.412	Rp561.580	Rp589.776	Rp622.000
25									Rp518.782	Rp521.176	Rp525.964	Rp533.146	Rp549.258	Rp569.398	Rp593.566	Rp621.762
26										Rp531.172	Rp533.566	Rp538.354	Rp550.438	Rp566.550	Rp586.690	Rp610.858
27											Rp543.142	Rp545.536	Rp553.592	Rp565.676	Rp581.788	Rp601.928
28												Rp555.378	Rp559.406	Rp567.462	Rp579.646	Rp595.658
29													Rp569.742	Rp573.770	Rp581.826	Rp593.910
30														Rp597.938	Rp601.966	Rp610.022
31															Rp627.692	Rp631.720
32																Rp653.296
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fn	Rp271.694	Rp295.919	Rp323.564	Rp343.772	Rp363.988	Rp389.258	Rp419.582	Rp445.032	Rp457.422	Rp469.392	Rp481.628	Rp495.992	Rp524.188	Rp553.942	Rp579.546	Rp593.910

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp1.812.402	Rp1.891.404	Rp1.972.800	Rp2.056.590	Rp2.163.294	Rp2.272.962	Rp2.385.594	Rp2.501.190	Rp2.660.790	Rp2.824.380	Rp2.991.960	Rp3.163.530	Rp3.268.030	Rp3.374.905	Rp3.484.155	Rp3.595.780
2	Rp1.794.496	Rp1.871.104	Rp1.950.106	Rp2.031.502	Rp2.135.242	Rp2.241.946	Rp2.351.614	Rp2.464.246	Rp2.619.856	Rp2.779.456	Rp2.943.046	Rp3.110.626	Rp3.212.751	Rp3.317.251	Rp3.424.126	Rp3.533.376
3	Rp1.707.020	Rp1.781.234	Rp1.857.842	Rp1.936.844	Rp2.037.620	Rp2.141.360	Rp2.248.064	Rp2.357.732	Rp2.509.352	Rp2.664.962	Rp2.824.562	Rp2.988.152	Rp3.087.902	Rp3.190.027	Rp3.294.527	Rp3.401.402
4	Rp1.623.724	Rp1.695.544	Rp1.769.758	Rp1.846.366	Rp1.944.178	Rp2.044.954	Rp2.148.694	Rp2.255.398	Rp2.403.028	Rp2.554.648	Rp2.710.258	Rp2.869.858	Rp2.967.233	Rp3.066.983	Rp3.169.108	Rp3.273.608
5	Rp1.544.608	Rp1.614.034	Rp1.685.854	Rp1.760.068	Rp1.854.916	Rp1.952.728	Rp2.053.504	Rp2.157.244	Rp2.300.884	Rp2.448.514	Rp2.600.134	Rp2.755.744	Rp2.850.744	Rp2.948.119	Rp3.047.869	Rp3.149.994
6	Rp1.468.770	Rp1.535.802	Rp1.605.228	Rp1.677.048	Rp1.768.932	Rp1.863.780	Rp1.961.592	Rp2.062.368	Rp2.202.018	Rp2.345.658	Rp2.493.288	Rp2.644.908	Rp2.737.533	Rp2.832.533	Rp2.929.908	Rp3.029.658
7	Rp1.396.750	Rp1.461.388	Rp1.528.420	Rp1.597.846	Rp1.686.766	Rp1.778.650	Rp1.873.498	Rp1.971.310	Rp2.106.970	Rp2.246.620	Rp2.390.260	Rp2.537.890	Rp2.628.140	Rp2.720.765	Rp2.815.765	Rp2.913.140
8	Rp1.328.550	Rp1.390.794	Rp1.455.432	Rp1.522.464	Rp1.608.420	Rp1.697.340	Rp1.789.224	Rp1.884.072	Rp2.015.742	Rp2.151.402	Rp2.291.052	Rp2.434.692	Rp2.522.567	Rp2.612.817	Rp2.705.442	Rp2.800.442
9	Rp1.264.168	Rp1.324.018	Rp1.386.262	Rp1.450.900	Rp1.533.892	Rp1.619.848	Rp1.708.768	Rp1.800.652	Rp1.928.332	Rp2.060.002	Rp2.195.662	Rp2.335.312	Rp2.420.812	Rp2.508.687	Rp2.598.937	Rp2.691.562
10	Rp1.196.509	Rp1.253.965	Rp1.313.815	Rp1.376.059	Rp1.456.087	Rp1.539.079	Rp1.625.035	Rp1.713.955	Rp1.837.645	Rp1.965.325	Rp2.096.995	Rp2.232.655	Rp2.315.780	Rp2.401.280	Rp2.489.155	Rp2.579.405
11	Rp1.131.092	Rp1.186.154	Rp1.243.610	Rp1.303.460	Rp1.380.524	Rp1.460.552	Rp1.543.544	Rp1.629.500	Rp1.749.200	Rp1.872.890	Rp2.000.570	Rp2.132.240	Rp2.212.990	Rp2.296.115	Rp2.381.615	Rp2.469.490
12	Rp1.067.917	Rp1.120.585	Rp1.175.647	Rp1.233.103	Rp1.307.203	Rp1.384.267	Rp1.464.295	Rp1.547.287	Rp1.662.997	Rp1.782.697	Rp1.906.387	Rp2.034.067	Rp2.112.442	Rp2.193.192	Rp2.276.317	Rp2.361.817
13	Rp1.006.984	Rp1.057.258	Rp1.109.926	Rp1.164.988	Rp1.236.124	Rp1.310.224	Rp1.387.288	Rp1.467.316	Rp1.579.036	Rp1.694.746	Rp1.814.446	Rp1.938.136	Rp2.014.136	Rp2.092.511	Rp2.173.261	Rp2.256.386
14	Rp954.962	Rp1.002.842	Rp1.053.116	Rp1.105.784	Rp1.173.956	Rp1.245.092	Rp1.319.192	Rp1.396.256	Rp1.503.986	Rp1.615.706	Rp1.731.416	Rp1.851.116	Rp1.924.741	Rp2.000.741	Rp2.079.116	Rp2.159.866
15	Rp906.208	Rp951.694	Rp999.574	Rp1.049.848	Rp1.115.056	Rp1.183.228	Rp1.254.364	Rp1.328.464	Rp1.432.204	Rp1.539.934	Rp1.651.654	Rp1.767.364	Rp1.838.614	Rp1.912.239	Rp1.988.239	Rp2.066.614
16	Rp855.242	Rp898.334	Rp943.820	Rp991.700	Rp1.053.944	Rp1.119.152	Rp1.187.324	Rp1.258.460	Rp1.358.210	Rp1.461.950	Rp1.569.680	Rp1.681.400	Rp1.750.275	Rp1.821.525	Rp1.895.150	Rp1.971.150
17	Rp801.748	Rp842.446	Rp885.538	Rp931.024	Rp990.304	Rp1.052.548	Rp1.117.756	Rp1.185.928	Rp1.281.688	Rp1.381.438	Rp1.485.178	Rp1.592.908	Rp1.659.408	Rp1.728.283	Rp1.799.533	Rp1.873.158
18	Rp768.944	Rp807.248	Rp847.946	Rp891.038	Rp947.354	Rp1.006.634	Rp1.068.878	Rp1.134.086	Rp1.225.856	Rp1.321.616	Rp1.421.366	Rp1.525.106	Rp1.589.231	Rp1.655.731	Rp1.724.606	Rp1.795.856
19	Rp735.656	Rp771.566	Rp809.870	Rp850.568	Rp903.920	Rp960.236	Rp1.019.516	Rp1.081.760	Rp1.169.540	Rp1.261.310	Rp1.357.070	Rp1.456.820	Rp1.518.570	Rp1.582.695	Rp1.649.195	Rp1.718.070
20	Rp710.396	Rp743.912	Rp779.822	Rp818.126	Rp868.514	Rp921.866	Rp978.182	Rp1.037.462	Rp1.121.252	Rp1.209.032	Rp1.300.802	Rp1.396.562	Rp1.455.937	Rp1.517.687	Rp1.581.812	Rp1.648.312
21	Rp682.306	Rp713.428	Rp746.944	Rp782.854	Rp830.278	Rp880.666	Rp934.018	Rp990.334	Rp1.070.134	Rp1.153.924	Rp1.241.704	Rp1.333.474	Rp1.390.474	Rp1.449.849	Rp1.511.599	Rp1.575.724
22	Rp659.278	Rp688.006	Rp719.128	Rp752.644	Rp797.104	Rp844.528	Rp894.916	Rp948.268	Rp1.024.078	Rp1.103.878	Rp1.187.668	Rp1.275.448	Rp1.330.073	Rp1.387.073	Rp1.446.448	Rp1.508.198
23	Rp646.358	Rp672.692	Rp701.420	Rp732.542	Rp774.038	Rp818.498	Rp865.922	Rp916.310	Rp988.130	Rp1.063.940	Rp1.143.740	Rp1.227.530	Rp1.279.780	Rp1.334.405	Rp1.391.405	Rp1.450.740
24	Rp643.546	Rp667.486	Rp693.820	Rp722.548	Rp761.080	Rp802.576	Rp847.036	Rp894.660	Rp962.290	Rp1.034.110	Rp1.109.920	Rp1.189.720	Rp1.239.595	Rp1.291.845	Rp1.346.470	Rp1.403.470
25	Rp640.914	Rp662.460	Rp686.400	Rp712.734	Rp748.302	Rp786.834	Rp828.330	Rp872.790	Rp936.630	Rp1.004.460	Rp1.076.280	Rp1.152.090	Rp1.199.590	Rp1.249.465	Rp1.301.715	Rp1.356.340
26	Rp627.616	Rp646.768	Rp668.314	Rp692.254	Rp724.858	Rp760.426	Rp798.958	Rp840.454	Rp900.304	Rp964.144	Rp1.031.974	Rp1.103.794	Rp1.148.919	Rp1.196.419	Rp1.246.294	Rp1.298.544
27	Rp616.292	Rp633.050	Rp652.202	Rp673.748	Rp703.388	Rp735.992	Rp771.560	Rp810.092	Rp865.952	Rp925.802	Rp989.642	Rp1.057.472	Rp1.100.222	Rp1.145.347	Rp1.192.847	Rp1.242.722
28	Rp607.628	Rp621.992	Rp638.750	Rp657.902	Rp684.578	Rp714.218	Rp746.822	Rp782.390	Rp834.260	Rp890.120	Rp949.970	Rp1.013.810	Rp1.054.185	Rp1.096.935	Rp1.142.060	Rp1.189.560
29	Rp603.486	Rp615.456	Rp629.820	Rp646.578	Rp670.290	Rp696.966	Rp726.606	Rp759.210	Rp807.090	Rp858.960	Rp914.820	Rp974.670	Rp1.012.670	Rp1.053.045	Rp1.095.795	Rp1.140.920
30	Rp617.204	Rp626.780	Rp638.750	Rp653.114	Rp673.862	Rp697.574	Rp724.250	Rp753.890	Rp797.780	Rp845.660	Rp897.530	Rp953.390	Rp989.015	Rp1.027.015	Rp1.067.390	Rp1.110.140
31	Rp636.508	Rp643.690	Rp653.266	Rp665.236	Rp683.020	Rp703.768	Rp727.480	Rp754.156	Rp794.056	Rp837.946	Rp885.826	Rp937.696	Rp970.946	Rp1.006.571	Rp1.044.571	Rp1.084.946
32	Rp655.690	Rp660.478	Rp667.660	Rp677.236	Rp692.056	Rp709.840	Rp730.588	Rp754.300	Rp790.210	Rp830.110	Rp874.000	Rp921.880	Rp952.755	Rp986.005	Rp1.021.630	Rp1.059.630
33	Rp667.660	Rp670.054	Rp674.842	Rp682.024	Rp693.880	Rp708.700	Rp726.484	Rp747.232	Rp779.152	Rp815.062	Rp854.962	Rp898.852	Rp927.352	Rp958.227	Rp991.477	Rp1.027.102
34		Rp677.236	Rp679.630	Rp684.418	Rp693.310	Rp705.166	Rp719.986	Rp737.770	Rp765.500	Rp797.620	Rp833.530	Rp873.430	Rp899.555	Rp928.055	Rp958.930	Rp992.180
35			Rp689.206	Rp691.600	Rp697.528	Rp706.420	Rp718.276	Rp733.096	Rp757.036	Rp784.966	Rp816.886	Rp852.796	Rp876.546	Rp902.671	Rp931.171	Rp962.046
36				Rp703.570	Rp706.534	Rp712.462	Rp721.354	Rp733.210	Rp753.160	Rp777.100	Rp805.030	Rp836.950	Rp858.325	Rp882.075	Rp908.200	Rp936.700
37					Rp720.328	Rp723.292	Rp729.220	Rp738.112	Rp754.072	Rp774.022	Rp797.962	Rp825.892	Rp844.892	Rp866.267	Rp890.017	Rp916.142
38						Rp744.040	Rp747.004	Rp752.932	Rp764.902	Rp780.862	Rp800.812	Rp824.752	Rp841.377	Rp860.377	Rp881.752	Rp905.502
39							Rp770.716	Rp773.680	Rp781.660	Rp793.630	Rp809.590	Rp829.540	Rp843.790	Rp860.415	Rp879.415	Rp900.790
40								Rp792.026	Rp796.016	Rp803.996	Rp815.966	Rp831.926	Rp843.801	Rp858.051	Rp874.676	Rp893.676
41									Rp806.846	Rp810.836	Rp818.816	Rp830.786	Rp840.286	Rp852.161	Rp866.411	Rp883.036
42										Rp826.910	Rp830.900	Rp838.880	Rp846.005	Rp855.505	Rp867.380	Rp881.630
43											Rp847.772	Rp851.712	Rp856.512	Rp863.637	Rp873.137	Rp885.012
44												Rp871.712	Rp874.087	Rp878.837	Rp885.962	Rp895.462
45													Rp898.502	Rp900.877	Rp905.627	Rp912.752
46														Rp914.036	Rp916.411	Rp921.161
47															Rp925.911	Rp928.286
48																Rp940.161
fn	Rp603.486	Rp615.456	Rp629.820	Rp646.578	Rp670.290	Rp696.966	Rp718.276	Rp733.096	Rp753.160	Rp774.022	Rp797.962	Rp824.752	Rp840.286	Rp852.161	Rp866.411	Rp881.630

- Agen Kantor Pos Jenis AirKu botol

Matriks Biaya Optimal																	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp73.975	Rp74.425	Rp75.100	Rp75.850	Rp76.788	Rp77.913	Rp79.225	Rp82.975	Rp87.194	Rp91.881	Rp97.038	Rp100.413	Rp104.069	Rp108.006	Rp112.225	
2		Rp147.500	Rp147.725	Rp148.175	Rp148.738	Rp149.488	Rp150.425	Rp151.550	Rp154.831	Rp158.581	Rp162.800	Rp167.488	Rp170.581	Rp173.956	Rp177.613	Rp181.550	
3			Rp147.725	Rp147.950	Rp148.325	Rp148.888	Rp149.638	Rp150.575	Rp153.388	Rp156.669	Rp160.419	Rp164.638	Rp167.450	Rp170.544	Rp173.919	Rp177.575	
4				Rp148.175	Rp148.363	Rp148.738	Rp149.300	Rp150.050	Rp152.394	Rp155.206	Rp158.488	Rp162.238	Rp164.769	Rp167.581	Rp170.675	Rp174.050	
5					Rp148.850	Rp149.038	Rp149.413	Rp149.975	Rp151.850	Rp154.194	Rp157.006	Rp160.288	Rp162.538	Rp165.069	Rp167.881	Rp170.975	
6						Rp149.600	Rp149.788	Rp150.163	Rp151.569	Rp153.444	Rp155.788	Rp158.600	Rp160.569	Rp162.819	Rp165.350	Rp168.163	
7							Rp150.538	Rp150.725	Rp151.663	Rp153.069	Rp154.944	Rp157.288	Rp158.975	Rp160.944	Rp163.194	Rp165.725	
8								Rp151.663	Rp152.131	Rp153.069	Rp154.475	Rp156.350	Rp157.756	Rp159.444	Rp161.413	Rp163.663	
9									Rp152.975	Rp153.444	Rp154.381	Rp155.788	Rp156.913	Rp158.319	Rp160.006	Rp161.975	
10										Rp156.725	Rp157.194	Rp158.131	Rp158.975	Rp160.100	Rp161.506	Rp163.194	
11											Rp160.944	Rp161.413	Rp161.975	Rp162.819	Rp163.944	Rp165.350	
12												Rp165.631	Rp165.913	Rp166.475	Rp167.319	Rp168.444	
13													Rp170.788	Rp171.069	Rp171.631	Rp172.475	
14														Rp174.163	Rp174.444	Rp175.006	
15															Rp177.819	Rp178.100	
16																Rp181.756	
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fn	Rp73.750	Rp73.975	Rp74.425	Rp75.100	Rp75.850	Rp76.788	Rp77.913	Rp79.225	Rp82.975	Rp87.194	Rp91.881	Rp97.038	Rp100.413	Rp104.069	Rp108.006	Rp112.225	

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp119.725	Rp127.694	Rp136.131	Rp145.038	Rp149.163	Rp153.494	Rp158.031	Rp162.775	Rp171.325	Rp180.231	Rp189.494	Rp199.113	Rp208.563	Rp218.350	Rp228.475	Rp238.938
2	Rp188.581	Rp196.081	Rp204.050	Rp212.488	Rp216.406	Rp220.531	Rp224.863	Rp229.400	Rp237.594	Rp246.144	Rp255.050	Rp264.313	Rp273.425	Rp282.875	Rp292.663	Rp302.788
3	Rp184.138	Rp191.169	Rp198.669	Rp206.638	Rp210.350	Rp214.269	Rp218.394	Rp222.725	Rp230.563	Rp238.756	Rp247.306	Rp256.213	Rp264.988	Rp274.100	Rp283.550	Rp293.338
4	Rp180.144	Rp186.706	Rp193.738	Rp201.238	Rp204.744	Rp208.456	Rp212.375	Rp216.500	Rp223.981	Rp231.819	Rp240.013	Rp248.563	Rp257.000	Rp265.775	Rp274.888	Rp284.338
5	Rp176.600	Rp182.694	Rp189.256	Rp196.288	Rp199.588	Rp203.094	Rp206.806	Rp210.725	Rp217.850	Rp225.331	Rp233.169	Rp241.363	Rp249.463	Rp257.900	Rp266.675	Rp275.788
6	Rp173.319	Rp178.944	Rp185.038	Rp191.600	Rp194.694	Rp197.994	Rp201.500	Rp205.213	Rp211.981	Rp219.106	Rp226.588	Rp234.425	Rp242.188	Rp250.288	Rp258.725	Rp267.500
7	Rp170.413	Rp175.569	Rp181.194	Rp187.288	Rp190.175	Rp193.269	Rp196.569	Rp200.075	Rp206.488	Rp213.256	Rp220.381	Rp227.863	Rp235.288	Rp243.050	Rp251.150	Rp259.588
8	Rp167.881	Rp172.569	Rp177.725	Rp183.350	Rp186.031	Rp188.919	Rp192.013	Rp195.313	Rp201.369	Rp207.781	Rp214.550	Rp221.675	Rp228.763	Rp236.188	Rp243.950	Rp252.050
9	Rp165.725	Rp169.944	Rp174.631	Rp179.788	Rp182.263	Rp184.944	Rp187.831	Rp190.925	Rp196.625	Rp202.681	Rp209.094	Rp215.863	Rp222.613	Rp229.700	Rp237.125	Rp244.888
10	Rp166.475	Rp170.225	Rp174.444	Rp179.131	Rp181.400	Rp183.875	Rp186.556	Rp189.444	Rp194.788	Rp200.488	Rp206.544	Rp212.956	Rp219.369	Rp226.119	Rp233.206	Rp240.631
11	Rp168.163	Rp171.444	Rp175.194	Rp179.413	Rp181.475	Rp183.744	Rp186.219	Rp188.900	Rp193.888	Rp199.231	Rp204.931	Rp210.988	Rp217.063	Rp223.475	Rp230.225	Rp237.313
12	Rp170.788	Rp173.600	Rp176.881	Rp180.631	Rp182.488	Rp184.550	Rp186.819	Rp189.294	Rp193.925	Rp198.913	Rp204.256	Rp209.956	Rp215.694	Rp221.769	Rp228.181	Rp234.931
13	Rp174.350	Rp176.694	Rp179.506	Rp182.788	Rp184.438	Rp186.294	Rp188.356	Rp190.625	Rp194.900	Rp199.531	Rp204.519	Rp209.863	Rp215.263	Rp221.000	Rp227.075	Rp233.488
14	Rp176.413	Rp178.288	Rp180.631	Rp183.444	Rp184.888	Rp186.538	Rp188.394	Rp190.456	Rp194.375	Rp198.650	Rp203.281	Rp208.269	Rp213.331	Rp218.731	Rp224.469	Rp230.544
15	Rp179.038	Rp180.444	Rp182.319	Rp184.663	Rp185.900	Rp187.344	Rp188.994	Rp190.850	Rp194.413	Rp198.331	Rp202.606	Rp207.238	Rp211.963	Rp217.025	Rp222.425	Rp228.163
16	Rp182.225	Rp183.163	Rp184.569	Rp186.444	Rp187.475	Rp188.713	Rp190.156	Rp191.806	Rp195.013	Rp198.575	Rp202.494	Rp206.769	Rp211.156	Rp215.881	Rp220.944	Rp226.344
17	Rp185.975	Rp186.444	Rp187.381	Rp188.788	Rp189.613	Rp190.644	Rp191.881	Rp193.325	Rp196.175	Rp199.381	Rp202.944	Rp206.863	Rp210.913	Rp215.300	Rp220.025	Rp225.088
18		Rp193.475	Rp193.944	Rp194.881	Rp195.500	Rp196.325	Rp197.356	Rp198.594	Rp201.088	Rp203.938	Rp207.144	Rp210.706	Rp214.419	Rp218.469	Rp222.856	Rp227.581
19			Rp201.444	Rp201.913	Rp202.325	Rp202.944	Rp203.769	Rp204.800	Rp206.938	Rp209.431	Rp212.281	Rp215.488	Rp218.863	Rp222.575	Rp226.625	Rp231.013
20				Rp209.881	Rp210.088	Rp210.500	Rp211.119	Rp211.944	Rp213.725	Rp215.863	Rp218.356	Rp221.206	Rp224.244	Rp227.619	Rp231.331	Rp235.381
21					Rp218.788	Rp218.994	Rp219.406	Rp220.025	Rp221.450	Rp223.231	Rp225.369	Rp227.863	Rp230.563	Rp233.600	Rp236.975	Rp240.688
22						Rp222.913	Rp223.119	Rp223.531	Rp224.600	Rp226.025	Rp227.806	Rp229.944	Rp232.306	Rp235.006	Rp238.044	Rp241.419
23							Rp227.244	Rp227.450	Rp228.163	Rp229.231	Rp230.656	Rp232.438	Rp234.463	Rp236.825	Rp239.525	Rp242.563
24								Rp231.781	Rp232.138	Rp232.850	Rp233.919	Rp235.344	Rp237.031	Rp239.056	Rp241.419	Rp244.119
25									Rp236.525	Rp236.881	Rp237.594	Rp238.663	Rp240.013	Rp241.700	Rp243.725	Rp246.088
26										Rp245.075	Rp245.431	Rp246.144	Rp247.156	Rp248.506	Rp250.194	Rp252.219
27											Rp253.981	Rp254.338	Rp255.013	Rp256.025	Rp257.375	Rp259.063
28												Rp263.244	Rp263.581	Rp264.256	Rp265.269	Rp266.619
29													Rp272.863	Rp273.200	Rp273.875	Rp274.888
30														Rp282.313	Rp282.650	Rp283.325
31															Rp289.050	Rp289.388
32																Rp293.775
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fn	Rp119.725	Rp127.694	Rp136.131	Rp145.038	Rp149.163	Rp153.494	Rp158.031	Rp162.775	Rp171.325	Rp180.231	Rp189.494	Rp199.113	Rp208.563	Rp215.300	Rp220.025	Rp225.088

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp244.938	Rp251.125	Rp257.500	Rp264.063	Rp266.763	Rp269.538	Rp272.388	Rp275.313	Rp279.813	Rp284.425	Rp289.150	Rp293.988	Rp312.138	Rp330.700	Rp349.675	Rp369.063
2	Rp308.600	Rp314.600	Rp320.788	Rp327.163	Rp329.788	Rp332.488	Rp335.263	Rp338.113	Rp342.500	Rp347.000	Rp351.613	Rp356.338	Rp374.075	Rp392.225	Rp410.788	Rp429.763
3	Rp298.963	Rp304.775	Rp310.775	Rp316.963	Rp319.513	Rp322.138	Rp324.838	Rp327.613	Rp331.888	Rp336.275	Rp340.775	Rp345.388	Rp362.713	Rp380.450	Rp398.600	Rp417.163
4	Rp289.775	Rp295.400	Rp301.213	Rp307.213	Rp309.688	Rp312.238	Rp314.863	Rp317.563	Rp321.725	Rp326.000	Rp330.388	Rp334.888	Rp351.800	Rp369.125	Rp386.863	Rp405.013
5	Rp281.038	Rp286.475	Rp292.100	Rp297.913	Rp300.313	Rp302.788	Rp305.338	Rp307.963	Rp312.013	Rp316.175	Rp320.450	Rp324.838	Rp341.338	Rp358.250	Rp375.575	Rp393.313
6	Rp272.563	Rp277.813	Rp283.250	Rp288.875	Rp291.200	Rp293.600	Rp296.075	Rp298.625	Rp302.563	Rp306.613	Rp310.775	Rp315.050	Rp331.138	Rp347.638	Rp364.550	Rp381.875
7	Rp264.463	Rp269.525	Rp274.775	Rp280.213	Rp282.463	Rp284.788	Rp287.188	Rp289.663	Rp293.488	Rp297.425	Rp301.475	Rp305.638	Rp321.313	Rp337.400	Rp353.900	Rp370.813
8	Rp256.738	Rp261.613	Rp266.675	Rp271.925	Rp274.100	Rp276.350	Rp278.675	Rp281.075	Rp284.788	Rp288.613	Rp292.550	Rp296.600	Rp311.863	Rp327.538	Rp343.625	Rp360.125
9	Rp249.388	Rp254.075	Rp258.950	Rp264.013	Rp266.113	Rp268.288	Rp270.538	Rp272.863	Rp276.463	Rp280.175	Rp284.000	Rp287.938	Rp302.788	Rp318.050	Rp333.725	Rp349.813
10	Rp244.944	Rp249.444	Rp254.131	Rp259.006	Rp261.031	Rp263.131	Rp265.306	Rp267.556	Rp271.044	Rp274.644	Rp278.356	Rp282.181	Rp296.619	Rp311.469	Rp326.731	Rp342.406
11	Rp241.438	Rp245.750	Rp250.250	Rp254.938	Rp256.888	Rp258.938	Rp261.013	Rp263.188	Rp266.563	Rp270.050	Rp273.650	Rp277.363	Rp291.388	Rp305.825	Rp320.675	Rp335.938
12	Rp238.869	Rp242.994	Rp247.306	Rp251.806	Rp253.681	Rp255.631	Rp257.656	Rp259.756	Rp263.019	Rp266.394	Rp269.881	Rp273.481	Rp287.094	Rp301.119	Rp315.556	Rp330.406
13	Rp237.238	Rp241.175	Rp245.300	Rp249.613	Rp251.413	Rp253.288	Rp255.238	Rp257.263	Rp260.413	Rp263.675	Rp267.050	Rp270.538	Rp283.738	Rp297.350	Rp311.375	Rp325.813
14	Rp234.106	Rp237.856	Rp241.794	Rp245.919	Rp247.644	Rp249.444	Rp251.319	Rp253.269	Rp256.306	Rp259.456	Rp262.719	Rp266.094	Rp278.881	Rp292.081	Rp305.694	Rp319.719
15	Rp231.538	Rp235.100	Rp238.850	Rp242.788	Rp244.438	Rp246.163	Rp247.963	Rp249.838	Rp252.763	Rp255.800	Rp258.950	Rp262.213	Rp274.588	Rp287.375	Rp300.575	Rp314.188
16	Rp229.531	Rp232.906	Rp236.469	Rp240.219	Rp241.794	Rp243.444	Rp245.169	Rp246.969	Rp249.781	Rp252.706	Rp255.744	Rp258.894	Rp270.856	Rp283.231	Rp296.019	Rp309.219
17	Rp228.088	Rp231.275	Rp234.650	Rp238.213	Rp239.713	Rp241.288	Rp242.938	Rp244.663	Rp247.363	Rp250.175	Rp253.100	Rp256.138	Rp267.688	Rp279.650	Rp292.025	Rp304.813
18	Rp230.394	Rp233.394	Rp236.581	Rp239.956	Rp241.381	Rp242.881	Rp244.456	Rp246.106	Rp248.694	Rp251.394	Rp254.206	Rp257.131	Rp268.269	Rp279.819	Rp291.781	Rp304.156
19	Rp233.638	Rp236.450	Rp239.450	Rp242.638	Rp243.988	Rp245.413	Rp246.913	Rp248.488	Rp250.963	Rp253.550	Rp256.250	Rp259.063	Rp269.788	Rp280.925	Rp292.475	Rp304.438
20	Rp237.819	Rp240.444	Rp243.256	Rp246.256	Rp247.531	Rp248.881	Rp250.306	Rp251.806	Rp254.169	Rp256.644	Rp259.231	Rp261.931	Rp272.244	Rp282.969	Rp294.106	Rp305.656
21	Rp242.938	Rp245.375	Rp248.000	Rp250.813	Rp252.013	Rp253.288	Rp254.638	Rp256.063	Rp258.313	Rp260.675	Rp263.150	Rp265.738	Rp275.638	Rp285.950	Rp296.675	Rp307.813
22	Rp243.481	Rp245.731	Rp248.169	Rp250.794	Rp251.919	Rp253.119	Rp254.394	Rp255.744	Rp257.881	Rp260.131	Rp262.494	Rp264.969	Rp274.456	Rp284.356	Rp294.669	Rp305.394
23	Rp244.438	Rp246.500	Rp248.750	Rp251.188	Rp252.238	Rp253.363	Rp254.563	Rp255.838	Rp257.863	Rp260.000	Rp262.250	Rp264.613	Rp273.688	Rp283.175	Rp293.075	Rp303.388
24	Rp245.806	Rp247.681	Rp249.744	Rp251.994	Rp252.969	Rp254.019	Rp255.144	Rp256.344	Rp258.256	Rp260.281	Rp262.419	Rp264.669	Rp273.331	Rp282.406	Rp291.894	Rp301.794
25	Rp247.588	Rp249.275	Rp251.150	Rp253.213	Rp254.113	Rp255.088	Rp256.138	Rp257.263	Rp259.063	Rp260.975	Rp263.000	Rp265.138	Rp273.388	Rp282.050	Rp291.125	Rp300.613
26	Rp253.531	Rp255.031	Rp256.719	Rp258.594	Rp259.419	Rp260.319	Rp261.294	Rp262.344	Rp264.031	Rp265.831	Rp267.744	Rp269.769	Rp277.606	Rp285.856	Rp294.519	Rp303.594
27	Rp260.188	Rp261.500	Rp263.000	Rp264.688	Rp265.438	Rp266.263	Rp267.163	Rp268.138	Rp269.713	Rp271.400	Rp273.200	Rp275.113	Rp282.538	Rp290.375	Rp298.625	Rp307.288
28	Rp267.556	Rp268.681	Rp269.994	Rp271.494	Rp272.169	Rp272.919	Rp273.744	Rp274.644	Rp276.106	Rp277.681	Rp279.369	Rp281.169	Rp288.181	Rp295.606	Rp303.444	Rp311.694
29	Rp275.638	Rp276.575	Rp277.700	Rp279.013	Rp279.613	Rp280.288	Rp281.038	Rp281.863	Rp283.213	Rp284.675	Rp286.250	Rp287.938	Rp294.538	Rp301.550	Rp308.975	Rp316.813
30	Rp283.888	Rp284.638	Rp285.575	Rp286.700	Rp287.225	Rp287.825	Rp288.500	Rp289.250	Rp290.488	Rp291.838	Rp293.300	Rp294.875	Rp301.063	Rp307.663	Rp314.675	Rp322.100
31	Rp289.763	Rp290.325	Rp291.075	Rp292.013	Rp292.463	Rp292.988	Rp293.588	Rp294.263	Rp295.388	Rp296.625	Rp297.975	Rp299.438	Rp305.213	Rp311.400	Rp318.000	Rp325.013
32	Rp293.963	Rp294.338	Rp294.900	Rp295.650	Rp296.025	Rp296.475	Rp297.000	Rp297.600	Rp298.613	Rp299.738	Rp300.975	Rp302.325	Rp307.688	Rp313.463	Rp319.650	Rp326.250
33	Rp298.838	Rp299.025	Rp299.400	Rp299.963	Rp300.263	Rp300.638	Rp301.088	Rp301.613	Rp302.513	Rp303.525	Rp304.650	Rp305.888	Rp310.838	Rp316.200	Rp321.975	Rp328.163
34		Rp301.838	Rp302.025	Rp302.400	Rp302.625	Rp302.925	Rp303.300	Rp303.750	Rp304.538	Rp305.438	Rp306.450	Rp307.575	Rp312.113	Rp317.063	Rp322.425	Rp328.200
35			Rp305.025	Rp305.213	Rp305.363	Rp305.588	Rp305.888	Rp306.263	Rp306.938	Rp307.725	Rp308.625	Rp309.638	Rp313.763	Rp318.300	Rp323.250	Rp328.613
36				Rp308.400	Rp308.475	Rp308.625	Rp308.850	Rp309.150	Rp309.713	Rp310.388	Rp311.175	Rp312.075	Rp315.788	Rp319.913	Rp324.450	Rp329.400
37					Rp311.963	Rp312.038	Rp312.188	Rp312.413	Rp312.863	Rp313.425	Rp314.100	Rp314.888	Rp318.188	Rp321.900	Rp326.025	Rp330.563
38						Rp313.538	Rp313.688	Rp313.813	Rp314.025	Rp314.475	Rp315.038	Rp315.713	Rp318.600	Rp321.900	Rp325.613	Rp329.738
39							Rp315.038	Rp315.113	Rp315.338	Rp315.675	Rp316.125	Rp316.688	Rp319.163	Rp322.050	Rp325.350	Rp329.063
40								Rp316.688	Rp316.800	Rp317.025	Rp317.363	Rp317.813	Rp319.875	Rp322.350	Rp325.238	Rp328.538
41									Rp318.413	Rp318.525	Rp318.750	Rp319.088	Rp320.738	Rp322.800	Rp325.275	Rp328.163
42										Rp321.113	Rp321.225	Rp321.450	Rp322.688	Rp324.338	Rp326.400	Rp328.875
43											Rp323.925	Rp324.038	Rp324.863	Rp326.100	Rp327.750	Rp329.813
44												Rp326.850	Rp327.263	Rp328.088	Rp329.325	Rp329.975
45													Rp329.888	Rp330.300	Rp331.125	Rp332.363
46														Rp341.438	Rp341.850	Rp342.675
47															Rp353.400	Rp353.813
48																Rp364.875
fn	Rp228.088	Rp231.275	Rp234.650	Rp238.213	Rp239.713	Rp241.288	Rp242.938	Rp244.663	Rp247.363	Rp250.175	Rp253.100	Rp256.138	Rp267.688	Rp279.650	Rp291.125	Rp300.613

- Agen Kantor Pos Jenis AirKu galon

Matriks Biaya Optimal																
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Rp73.750	Rp73.856	Rp74.069	Rp74.388	Rp74.988	Rp75.738	Rp76.638	Rp77.688	Rp78.938	Rp80.344	Rp81.906	Rp83.625	Rp85.275	Rp87.063	Rp88.988	Rp91.050
2		Rp147.500	Rp147.606	Rp147.819	Rp148.269	Rp148.869	Rp149.619	Rp150.519	Rp151.613	Rp152.863	Rp154.269	Rp155.831	Rp157.344	Rp158.994	Rp160.781	Rp162.706
3			Rp147.606	Rp147.713	Rp148.013	Rp148.463	Rp149.063	Rp149.813	Rp150.750	Rp151.844	Rp153.094	Rp154.500	Rp155.875	Rp157.388	Rp159.038	Rp160.825
4				Rp147.819	Rp147.969	Rp148.269	Rp148.719	Rp149.319	Rp150.100	Rp151.038	Rp152.131	Rp153.381	Rp154.619	Rp155.994	Rp157.506	Rp159.156
5					Rp148.138	Rp148.288	Rp148.588	Rp149.038	Rp149.663	Rp150.444	Rp151.381	Rp152.475	Rp153.575	Rp154.813	Rp156.188	Rp157.700
6						Rp148.738	Rp148.888	Rp149.188	Rp149.656	Rp150.281	Rp151.063	Rp152.000	Rp152.963	Rp154.063	Rp155.300	Rp156.675
7							Rp149.488	Rp149.638	Rp149.950	Rp150.419	Rp151.044	Rp151.825	Rp152.650	Rp153.613	Rp154.713	Rp155.950
8								Rp150.388	Rp150.544	Rp150.856	Rp151.325	Rp151.950	Rp152.638	Rp153.463	Rp154.425	Rp155.525
9									Rp151.438	Rp151.594	Rp151.906	Rp152.375	Rp152.925	Rp153.613	Rp154.438	Rp155.400
10										Rp152.688	Rp152.844	Rp153.156	Rp153.569	Rp154.119	Rp154.806	Rp155.631
11											Rp154.094	Rp154.250	Rp154.525	Rp154.938	Rp155.488	Rp156.175
12												Rp155.656	Rp155.794	Rp156.069	Rp156.481	Rp157.031
13													Rp157.375	Rp157.513	Rp157.788	Rp158.200
14														Rp159.025	Rp159.163	Rp159.438
15															Rp160.813	Rp160.950
16																Rp162.738
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fn	Rp73.750	Rp73.856	Rp74.069	Rp74.388	Rp74.988	Rp75.738	Rp76.638	Rp77.688	Rp78.938	Rp80.344	Rp81.906	Rp83.625	Rp85.275	Rp87.063	Rp88.988	Rp91.050

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp93.150	Rp95.381	Rp97.744	Rp100.238	Rp103.238	Rp106.388	Rp109.688	Rp113.138	Rp115.838	Rp118.650	Rp121.575	Rp124.613	Rp129.163	Rp133.875	Rp138.750	Rp143.788
2	Rp164.675	Rp166.775	Rp169.006	Rp171.369	Rp174.219	Rp177.219	Rp180.369	Rp183.669	Rp186.256	Rp188.956	Rp191.769	Rp194.694	Rp199.081	Rp203.631	Rp208.344	Rp213.219
3	Rp162.663	Rp164.631	Rp166.731	Rp168.963	Rp171.663	Rp174.513	Rp177.513	Rp180.663	Rp183.138	Rp185.725	Rp188.425	Rp191.238	Rp195.463	Rp199.850	Rp204.400	Rp209.113
4	Rp160.863	Rp162.700	Rp164.669	Rp166.769	Rp169.319	Rp172.019	Rp174.869	Rp177.869	Rp180.231	Rp182.706	Rp185.294	Rp187.994	Rp192.056	Rp196.281	Rp200.669	Rp205.219
5	Rp159.275	Rp160.981	Rp162.819	Rp164.788	Rp167.188	Rp169.738	Rp172.438	Rp175.288	Rp177.538	Rp179.900	Rp182.375	Rp184.963	Rp188.863	Rp192.925	Rp197.150	Rp201.538
6	Rp158.119	Rp159.694	Rp161.400	Rp163.238	Rp165.488	Rp167.888	Rp170.438	Rp173.138	Rp175.275	Rp177.525	Rp179.888	Rp182.363	Rp186.100	Rp190.000	Rp194.063	Rp198.288
7	Rp157.263	Rp158.706	Rp160.281	Rp161.988	Rp164.088	Rp166.338	Rp168.738	Rp171.288	Rp173.313	Rp175.450	Rp177.700	Rp180.063	Rp183.638	Rp187.375	Rp191.275	Rp195.338
8	Rp156.706	Rp158.019	Rp159.463	Rp161.038	Rp162.988	Rp165.088	Rp167.338	Rp169.738	Rp171.650	Rp173.675	Rp175.813	Rp178.063	Rp181.475	Rp185.050	Rp188.788	Rp192.688
9	Rp156.450	Rp157.631	Rp158.944	Rp160.388	Rp162.188	Rp164.138	Rp166.238	Rp168.488	Rp170.288	Rp172.200	Rp174.225	Rp176.363	Rp179.613	Rp183.025	Rp186.600	Rp190.338
10	Rp156.550	Rp157.600	Rp158.781	Rp160.094	Rp161.744	Rp163.544	Rp165.494	Rp167.594	Rp169.281	Rp171.081	Rp172.994	Rp175.019	Rp178.106	Rp181.356	Rp184.769	Rp188.344
11	Rp156.963	Rp157.881	Rp158.931	Rp160.113	Rp161.613	Rp163.263	Rp165.063	Rp167.013	Rp168.588	Rp170.275	Rp172.075	Rp173.988	Rp176.913	Rp180.000	Rp183.250	Rp186.663
12	Rp157.688	Rp158.475	Rp159.394	Rp160.444	Rp161.794	Rp163.294	Rp164.944	Rp166.744	Rp168.206	Rp169.781	Rp171.469	Rp173.269	Rp176.031	Rp178.956	Rp182.044	Rp185.294
13	Rp158.725	Rp159.381	Rp160.169	Rp161.088	Rp162.288	Rp163.638	Rp165.138	Rp166.788	Rp168.138	Rp169.600	Rp171.175	Rp172.863	Rp175.463	Rp178.225	Rp181.150	Rp184.238
14	Rp159.831	Rp160.356	Rp161.013	Rp161.800	Rp162.850	Rp164.050	Rp165.400	Rp166.900	Rp168.138	Rp169.488	Rp170.950	Rp172.525	Rp174.963	Rp177.563	Rp180.325	Rp183.250
15	Rp161.213	Rp161.606	Rp162.131	Rp162.788	Rp163.688	Rp164.738	Rp165.938	Rp167.288	Rp168.413	Rp169.650	Rp171.000	Rp172.463	Rp174.738	Rp177.175	Rp179.775	Rp182.538
16	Rp162.869	Rp163.131	Rp163.525	Rp164.050	Rp164.800	Rp165.700	Rp166.750	Rp167.950	Rp168.963	Rp170.088	Rp171.325	Rp172.675	Rp174.788	Rp177.063	Rp179.500	Rp182.100
17	Rp164.800	Rp164.931	Rp165.194	Rp165.588	Rp166.188	Rp166.938	Rp167.838	Rp168.888	Rp169.788	Rp170.800	Rp171.925	Rp173.163	Rp175.113	Rp177.225	Rp179.500	Rp181.938
18		Rp166.900	Rp167.031	Rp167.294	Rp167.744	Rp168.344	Rp169.094	Rp169.994	Rp170.781	Rp171.681	Rp172.694	Rp173.819	Rp175.606	Rp177.556	Rp179.669	Rp181.944
19			Rp169.131	Rp169.263	Rp169.563	Rp170.013	Rp170.613	Rp171.363	Rp172.038	Rp172.825	Rp173.725	Rp174.738	Rp176.363	Rp178.150	Rp180.100	Rp182.213
20				Rp171.494	Rp171.644	Rp171.944	Rp172.394	Rp172.994	Rp173.556	Rp174.231	Rp175.019	Rp175.919	Rp177.381	Rp179.006	Rp180.794	Rp182.744
21					Rp173.988	Rp174.138	Rp174.438	Rp174.888	Rp175.338	Rp175.900	Rp176.575	Rp177.363	Rp178.663	Rp180.125	Rp181.750	Rp183.538
22						Rp176.988	Rp177.138	Rp177.438	Rp177.775	Rp178.225	Rp178.788	Rp179.463	Rp180.600	Rp181.900	Rp183.363	Rp184.988
23							Rp180.138	Rp180.288	Rp180.513	Rp180.850	Rp181.300	Rp181.863	Rp182.838	Rp183.975	Rp185.275	Rp186.738
24								Rp183.438	Rp183.550	Rp183.775	Rp184.113	Rp184.563	Rp185.375	Rp186.350	Rp187.488	Rp188.788
25									Rp186.888	Rp187.000	Rp187.225	Rp187.563	Rp188.213	Rp189.025	Rp190.000	Rp191.138
26										Rp189.588	Rp189.700	Rp189.925	Rp190.413	Rp191.063	Rp191.875	Rp192.850
27											Rp192.400	Rp192.513	Rp192.838	Rp193.325	Rp193.975	Rp194.788
28												Rp195.325	Rp195.488	Rp195.813	Rp196.300	Rp196.950
29													Rp198.363	Rp198.525	Rp198.850	Rp199.338
30														Rp202.913	Rp203.075	Rp203.400
31															Rp207.625	Rp207.788
32																Rp212.500
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fn	Rp93.150	Rp95.381	Rp97.744	Rp100.238	Rp103.238	Rp106.388	Rp109.688	Rp113.138	Rp115.838	Rp118.650	Rp121.575	Rp124.613	Rp129.163	Rp133.875	Rp138.750	Rp143.788

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp147.588	Rp151.506	Rp155.544	Rp159.700	Rp165.550	Rp171.563	Rp177.738	Rp184.075	Rp190.325	Rp196.731	Rp203.294	Rp210.013	Rp217.438	Rp225.031	Rp232.794	Rp240.725
2	Rp216.900	Rp220.700	Rp224.619	Rp228.656	Rp234.344	Rp240.194	Rp246.206	Rp252.381	Rp258.475	Rp264.725	Rp271.131	Rp277.694	Rp284.950	Rp292.375	Rp299.969	Rp307.731
3	Rp212.675	Rp216.356	Rp220.156	Rp224.075	Rp229.600	Rp235.288	Rp241.138	Rp247.150	Rp253.088	Rp259.181	Rp265.431	Rp271.838	Rp278.925	Rp286.181	Rp293.606	Rp301.200
4	Rp208.663	Rp212.225	Rp215.906	Rp219.706	Rp225.069	Rp230.594	Rp236.281	Rp242.131	Rp247.913	Rp253.850	Rp259.944	Rp266.194	Rp273.113	Rp280.200	Rp287.456	Rp294.881
5	Rp204.863	Rp208.306	Rp211.869	Rp215.550	Rp220.750	Rp226.113	Rp231.638	Rp237.325	Rp242.950	Rp248.731	Rp254.669	Rp260.763	Rp267.513	Rp274.431	Rp281.956	Rp288.775
6	Rp201.494	Rp204.819	Rp208.263	Rp211.825	Rp216.863	Rp222.063	Rp227.425	Rp232.950	Rp238.419	Rp244.044	Rp249.825	Rp255.763	Rp262.344	Rp269.094	Rp276.013	Rp283.100
7	Rp198.425	Rp201.631	Rp204.956	Rp208.400	Rp213.275	Rp218.313	Rp223.513	Rp228.875	Rp234.188	Rp239.656	Rp245.281	Rp251.063	Rp257.475	Rp264.056	Rp270.806	Rp277.725
8	Rp195.656	Rp198.744	Rp201.950	Rp205.275	Rp209.988	Rp214.863	Rp219.900	Rp225.100	Rp230.256	Rp235.569	Rp241.038	Rp246.663	Rp252.906	Rp259.319	Rp265.900	Rp272.650
9	Rp193.188	Rp196.156	Rp199.244	Rp202.450	Rp207.000	Rp211.713	Rp216.588	Rp221.625	Rp226.625	Rp231.781	Rp237.094	Rp242.563	Rp248.638	Rp254.881	Rp261.294	Rp267.875
10	Rp191.075	Rp193.925	Rp196.894	Rp199.981	Rp204.369	Rp208.919	Rp213.631	Rp218.506	Rp223.350	Rp228.350	Rp233.506	Rp238.819	Rp244.725	Rp250.800	Rp257.044	Rp263.456
11	Rp189.275	Rp192.006	Rp194.856	Rp197.825	Rp202.050	Rp206.438	Rp210.988	Rp215.700	Rp220.388	Rp225.231	Rp230.231	Rp235.388	Rp241.125	Rp247.031	Rp253.106	Rp259.350
12	Rp187.788	Rp190.400	Rp193.131	Rp195.981	Rp200.044	Rp204.269	Rp208.656	Rp213.206	Rp217.738	Rp222.425	Rp227.269	Rp232.269	Rp237.838	Rp243.575	Rp249.481	Rp255.556
13	Rp186.613	Rp189.106	Rp191.719	Rp194.450	Rp198.350	Rp202.413	Rp206.638	Rp211.025	Rp215.400	Rp219.931	Rp224.619	Rp229.463	Rp234.863	Rp240.431	Rp246.169	Rp252.075
14	Rp185.506	Rp187.881	Rp190.375	Rp192.988	Rp196.725	Rp200.625	Rp204.688	Rp208.913	Rp213.131	Rp217.506	Rp222.038	Rp226.725	Rp231.956	Rp237.356	Rp242.925	Rp248.663
15	Rp184.675	Rp186.931	Rp189.306	Rp191.800	Rp195.375	Rp199.113	Rp203.013	Rp207.075	Rp211.138	Rp215.356	Rp219.731	Rp224.263	Rp229.325	Rp234.556	Rp239.956	Rp245.525
16	Rp184.119	Rp186.256	Rp188.513	Rp190.888	Rp194.300	Rp197.875	Rp201.613	Rp205.513	Rp209.419	Rp213.481	Rp217.700	Rp222.075	Rp226.969	Rp232.031	Rp237.263	Rp242.663
17	Rp183.838	Rp185.856	Rp187.994	Rp190.250	Rp193.500	Rp196.913	Rp200.488	Rp204.225	Rp207.975	Rp211.881	Rp215.944	Rp220.163	Rp224.888	Rp229.781	Rp234.844	Rp240.075
18	Rp183.725	Rp185.625	Rp187.644	Rp189.781	Rp192.869	Rp196.119	Rp199.531	Rp203.106	Rp206.700	Rp210.450	Rp218.419	Rp218.419	Rp222.975	Rp227.700	Rp232.594	Rp237.656
19	Rp183.875	Rp185.656	Rp187.556	Rp189.575	Rp192.500	Rp195.588	Rp198.838	Rp202.250	Rp205.688	Rp209.281	Rp213.031	Rp216.938	Rp221.325	Rp225.881	Rp230.606	Rp235.500
20	Rp184.288	Rp185.950	Rp187.731	Rp189.631	Rp192.394	Rp195.319	Rp198.406	Rp201.656	Rp204.938	Rp208.375	Rp211.969	Rp215.719	Rp219.938	Rp224.325	Rp228.881	Rp233.606
21	Rp184.963	Rp186.506	Rp188.169	Rp189.950	Rp192.550	Rp195.313	Rp198.238	Rp201.325	Rp204.450	Rp207.731	Rp211.169	Rp214.763	Rp218.813	Rp223.031	Rp227.419	Rp231.975
22	Rp186.294	Rp187.719	Rp189.263	Rp190.925	Rp193.363	Rp195.963	Rp198.725	Rp201.650	Rp204.619	Rp207.744	Rp211.025	Rp214.463	Rp218.344	Rp222.394	Rp226.613	Rp231.000
23	Rp187.925	Rp189.231	Rp190.656	Rp192.200	Rp194.475	Rp196.913	Rp199.513	Rp202.275	Rp205.088	Rp208.056	Rp211.181	Rp214.463	Rp218.175	Rp222.056	Rp226.106	Rp230.325
24	Rp189.856	Rp191.044	Rp192.350	Rp193.775	Rp195.888	Rp198.163	Rp200.600	Rp203.200	Rp205.856	Rp208.669	Rp211.638	Rp214.763	Rp218.306	Rp222.019	Rp225.900	Rp229.950
25	Rp192.088	Rp193.156	Rp194.344	Rp195.650	Rp197.600	Rp199.713	Rp201.988	Rp204.425	Rp206.925	Rp209.581	Rp212.394	Rp215.363	Rp218.738	Rp222.281	Rp225.994	Rp229.875
26	Rp193.681	Rp194.631	Rp195.700	Rp196.888	Rp198.675	Rp200.625	Rp202.738	Rp205.013	Rp207.356	Rp209.856	Rp212.513	Rp215.325	Rp218.531	Rp221.906	Rp225.450	Rp229.163
27	Rp195.500	Rp196.331	Rp197.281	Rp198.350	Rp199.975	Rp201.763	Rp203.713	Rp205.825	Rp208.013	Rp210.356	Rp212.856	Rp215.513	Rp218.550	Rp221.756	Rp225.131	Rp228.675
28	Rp197.544	Rp198.256	Rp199.088	Rp200.038	Rp201.500	Rp203.125	Rp204.913	Rp206.863	Rp208.894	Rp211.081	Rp213.425	Rp215.925	Rp218.794	Rp221.831	Rp225.038	Rp228.413
29	Rp199.813	Rp200.406	Rp201.119	Rp201.950	Rp203.250	Rp204.713	Rp206.338	Rp208.125	Rp210.000	Rp212.031	Rp214.219	Rp216.563	Rp219.263	Rp222.131	Rp225.169	Rp228.375
30	Rp203.756	Rp204.231	Rp204.825	Rp205.538	Rp206.675	Rp207.975	Rp209.438	Rp211.063	Rp212.781	Rp214.656	Rp216.688	Rp218.875	Rp221.406	Rp224.106	Rp226.975	Rp230.013
31	Rp208.025	Rp208.381	Rp208.856	Rp209.450	Rp210.425	Rp211.563	Rp212.863	Rp214.325	Rp215.888	Rp217.606	Rp219.481	Rp221.513	Rp223.875	Rp226.406	Rp229.106	Rp231.975
32	Rp212.619	Rp212.856	Rp213.213	Rp213.688	Rp214.500	Rp215.475	Rp216.613	Rp217.913	Rp219.319	Rp220.881	Rp222.600	Rp224.475	Rp226.669	Rp229.031	Rp231.563	Rp234.263
33	Rp217.538	Rp217.656	Rp217.894	Rp218.250	Rp218.900	Rp219.713	Rp220.688	Rp221.825	Rp223.075	Rp224.481	Rp226.044	Rp227.763	Rp229.788	Rp231.981	Rp234.344	Rp236.875
34		Rp221.338	Rp221.456	Rp221.694	Rp222.181	Rp222.831	Rp223.644	Rp224.619	Rp225.713	Rp226.963	Rp228.369	Rp229.931	Rp231.788	Rp233.813	Rp236.006	Rp238.369
35			Rp225.256	Rp225.375	Rp225.700	Rp226.188	Rp226.838	Rp227.650	Rp228.588	Rp229.681	Rp230.931	Rp232.338	Rp234.025	Rp235.881	Rp237.906	Rp240.100
36				Rp229.294	Rp229.456	Rp229.781	Rp230.269	Rp230.919	Rp231.700	Rp232.638	Rp233.731	Rp234.981	Rp236.500	Rp238.188	Rp240.444	Rp242.069
37					Rp233.450	Rp233.613	Rp233.938	Rp234.425	Rp235.050	Rp235.831	Rp236.769	Rp237.863	Rp239.213	Rp240.731	Rp242.419	Rp244.275
38						Rp239.300	Rp239.463	Rp239.788	Rp240.256	Rp240.881	Rp241.663	Rp242.600	Rp243.781	Rp245.131	Rp246.650	Rp248.338
39							Rp245.313	Rp245.475	Rp245.788	Rp246.256	Rp246.881	Rp247.663	Rp248.675	Rp249.856	Rp251.206	Rp252.725
40								Rp251.488	Rp251.644	Rp251.956	Rp252.425	Rp253.050	Rp253.894	Rp254.906	Rp256.088	Rp257.438
41									Rp257.825	Rp257.981	Rp258.294	Rp258.763	Rp259.438	Rp260.281	Rp261.294	Rp262.475
42										Rp264.075	Rp264.231	Rp264.544	Rp265.050	Rp265.725	Rp266.569	Rp267.581
43											Rp270.481	Rp270.638	Rp270.975	Rp271.481	Rp272.156	Rp273.000
44												Rp277.044	Rp277.213	Rp277.550	Rp278.056	Rp278.731
45													Rp283.763	Rp283.931	Rp284.269	Rp284.775
46														Rp291.188	Rp291.356	Rp291.694
47															Rp295.506	Rp295.675
48																Rp298.788
fn	Rp147.588	Rp151.506	Rp155.544	Rp159.700	Rp165.550	Rp171.563	Rp177.738	Rp184.075	Rp190.325	Rp196.731	Rp203.294	Rp210.013	Rp217.438	Rp221.756	Rp225.038	Rp228.375

- Agen Umar Jenis AirKu cup

Matriks Biaya Optimal																
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Rp73.750	Rp80.144	Rp92.931	Rp112.111	Rp159.269	Rp218.217	Rp288.954	Rp371.480	Rp468.228	Rp577.070	Rp698.005	Rp831.033	Rp1.013.775	Rp1.211.746	Rp1.424.945	Rp1.653.372
2		Rp147.500	Rp153.894	Rp166.681	Rp202.049	Rp249.207	Rp308.155	Rp378.892	Rp463.546	Rp560.294	Rp669.136	Rp790.071	Rp957.584	Rp1.140.326	Rp1.338.297	Rp1.551.496
3			Rp153.894	Rp160.287	Rp183.866	Rp219.235	Rp266.393	Rp325.340	Rp397.901	Rp482.556	Rp579.304	Rp688.145	Rp840.430	Rp1.007.944	Rp1.190.686	Rp1.388.656
4				Rp166.681	Rp178.470	Rp202.049	Rp237.418	Rp284.576	Rp345.043	Rp417.604	Rp502.259	Rp599.007	Rp736.063	Rp888.348	Rp1.055.862	Rp1.238.604
5					Rp185.861	Rp197.651	Rp221.230	Rp256.598	Rp304.972	Rp365.440	Rp438.001	Rp522.655	Rp644.483	Rp781.540	Rp933.825	Rp1.101.338
6						Rp233.019	Rp244.809	Rp268.388	Rp304.668	Rp353.042	Rp413.510	Rp486.071	Rp592.670	Rp714.498	Rp851.555	Rp1.003.840
7							Rp271.401	Rp283.190	Rp307.377	Rp343.658	Rp392.032	Rp452.499	Rp543.870	Rp650.470	Rp772.298	Rp909.354
8								Rp294.980	Rp307.073	Rp331.260	Rp367.541	Rp415.915	Rp492.057	Rp583.428	Rp690.028	Rp811.856
9									Rp330.348	Rp342.442	Rp366.629	Rp402.909	Rp463.823	Rp539.966	Rp631.337	Rp737.936
10										Rp378.418	Rp390.512	Rp414.699	Rp460.384	Rp521.298	Rp597.441	Rp688.812
11											Rp405.010	Rp417.104	Rp447.561	Rp493.246	Rp554.160	Rp630.303
12												Rp440.379	Rp455.607	Rp486.064	Rp531.750	Rp592.664
13													Rp476.659	Rp491.888	Rp522.345	Rp568.030
14														Rp521.311	Rp536.539	Rp566.996
15															Rp559.814	Rp575.043
16																Rp596.095
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fn	Rp73.750	Rp80.144	Rp92.931	Rp112.111	Rp159.269	Rp197.651	Rp221.230	Rp256.598	Rp304.668	Rp331.260	Rp366.629	Rp402.909	Rp447.561	Rp486.064	Rp522.345	Rp566.996

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp1.840.788	Rp2.039.918	Rp2.250.761	Rp2.473.317	Rp2.753.377	Rp3.047.440	Rp3.355.506	Rp3.677.575	Rp4.064.491	Rp4.467.529	Rp4.886.688	Rp5.321.968	Rp5.708.200	Rp6.108.226	Rp6.522.046	Rp6.949.660
2	Rp1.727.198	Rp1.914.614	Rp2.113.744	Rp2.324.587	Rp2.590.644	Rp2.870.704	Rp3.164.767	Rp3.472.833	Rp3.843.627	Rp4.230.543	Rp4.633.581	Rp5.052.740	Rp5.425.178	Rp5.811.410	Rp6.211.436	Rp6.625.256
3	Rp1.552.645	Rp1.728.348	Rp1.915.764	Rp2.114.893	Rp2.366.947	Rp2.633.004	Rp2.913.064	Rp3.207.127	Rp3.561.800	Rp3.932.595	Rp4.319.511	Rp4.722.548	Rp5.081.192	Rp5.453.630	Rp5.839.862	Rp6.239.888
4	Rp1.390.879	Rp1.554.868	Rp1.730.571	Rp1.917.987	Rp2.156.038	Rp2.408.092	Rp2.674.149	Rp2.954.209	Rp3.292.760	Rp3.647.433	Rp4.018.228	Rp4.405.144	Rp4.749.994	Rp5.108.638	Rp5.481.076	Rp5.867.308
5	Rp1.241.900	Rp1.394.176	Rp1.558.165	Rp1.733.867	Rp1.957.915	Rp2.195.966	Rp2.448.020	Rp2.714.077	Rp3.036.507	Rp3.375.059	Rp3.729.732	Rp4.100.526	Rp4.431.582	Rp4.776.432	Rp5.135.076	Rp5.507.514
6	Rp1.132.688	Rp1.273.250	Rp1.425.526	Rp1.589.515	Rp1.799.560	Rp2.023.608	Rp2.261.659	Rp2.513.713	Rp2.820.021	Rp3.142.451	Rp3.481.003	Rp3.835.676	Rp4.152.938	Rp4.483.994	Rp4.828.844	Rp5.187.488
7	Rp1.026.489	Rp1.155.338	Rp1.295.900	Rp1.448.175	Rp1.644.217	Rp1.854.262	Rp2.078.310	Rp2.316.361	Rp2.606.548	Rp2.912.857	Rp3.235.287	Rp3.573.838	Rp3.877.306	Rp4.194.568	Rp4.525.624	Rp4.870.474
8	Rp917.277	Rp1.034.412	Rp1.163.261	Rp1.303.823	Rp1.485.862	Rp1.681.904	Rp1.891.949	Rp2.115.997	Rp2.390.062	Rp2.680.249	Rp2.986.558	Rp3.308.988	Rp3.598.662	Rp3.902.130	Rp4.219.392	Rp4.550.448
9	Rp831.644	Rp937.066	Rp1.054.201	Rp1.183.049	Rp1.351.085	Rp1.533.124	Rp1.729.166	Rp1.939.211	Rp2.197.155	Rp2.471.221	Rp2.761.408	Rp3.067.716	Rp3.343.596	Rp3.633.270	Rp3.936.738	Rp4.254.000
10	Rp770.806	Rp864.514	Rp969.936	Rp1.087.071	Rp1.241.104	Rp1.409.140	Rp1.591.179	Rp1.787.221	Rp2.029.043	Rp2.286.987	Rp2.561.053	Rp2.851.240	Rp3.113.326	Rp3.389.206	Rp3.678.880	Rp3.982.348
11	Rp700.584	Rp782.578	Rp876.286	Rp981.708	Rp1.121.738	Rp1.275.771	Rp1.443.807	Rp1.625.846	Rp1.851.547	Rp2.093.369	Rp2.351.313	Rp2.625.379	Rp2.873.671	Rp3.135.757	Rp3.411.637	Rp3.701.311
12	Rp651.231	Rp721.512	Rp803.507	Rp897.215	Rp1.023.242	Rp1.163.272	Rp1.317.305	Rp1.485.341	Rp1.694.920	Rp1.920.621	Rp2.162.444	Rp2.420.388	Rp2.654.886	Rp2.903.178	Rp3.165.264	Rp3.441.144
13	Rp614.884	Rp673.452	Rp743.733	Rp825.727	Rp937.751	Rp1.063.778	Rp1.203.808	Rp1.357.841	Rp1.551.299	Rp1.760.879	Rp1.986.580	Rp2.228.402	Rp2.449.106	Rp2.683.604	Rp2.931.896	Rp3.193.982
14	Rp602.137	Rp648.991	Rp707.558	Rp777.839	Rp875.860	Rp987.884	Rp1.113.911	Rp1.253.941	Rp1.431.278	Rp1.624.736	Rp1.834.315	Rp2.060.016	Rp2.266.926	Rp2.487.630	Rp2.722.128	Rp2.970.420
15	Rp598.470	Rp633.610	Rp680.464	Rp739.032	Rp823.050	Rp921.071	Rp1.033.095	Rp1.159.122	Rp1.320.337	Rp1.497.673	Rp1.691.131	Rp1.900.711	Rp2.093.827	Rp2.300.737	Rp2.521.441	Rp2.755.939
16	Rp607.808	Rp631.235	Rp666.376	Rp713.230	Rp783.245	Rp867.263	Rp965.284	Rp1.077.308	Rp1.222.401	Rp1.383.616	Rp1.560.953	Rp1.754.411	Rp1.933.733	Rp2.126.849	Rp2.333.759	Rp2.554.463
17	Rp640.746	Rp652.460	Rp675.887	Rp711.027	Rp767.039	Rp837.054	Rp921.072	Rp1.019.093	Rp1.148.065	Rp1.293.159	Rp1.454.374	Rp1.631.710	Rp1.797.238	Rp1.976.560	Rp2.169.676	Rp2.376.586
18		Rp672.220	Rp683.933	Rp707.360	Rp749.369	Rp805.381	Rp875.396	Rp959.414	Rp1.072.265	Rp1.201.237	Rp1.346.330	Rp1.507.545	Rp1.659.279	Rp1.824.807	Rp2.004.129	Rp2.197.245
19			Rp704.985	Rp716.699	Rp744.705	Rp786.714	Rp842.726	Rp912.741	Rp1.009.470	Rp1.122.320	Rp1.251.292	Rp1.396.386	Rp1.534.326	Rp1.686.060	Rp1.851.588	Rp2.030.910
20				Rp740.126	Rp754.129	Rp782.135	Rp824.144	Rp880.156	Rp960.763	Rp1.057.492	Rp1.170.343	Rp1.299.315	Rp1.423.461	Rp1.561.401	Rp1.713.135	Rp1.878.663
21					Rp781.110	Rp795.113	Rp823.119	Rp865.128	Rp929.614	Rp1.010.222	Rp1.106.951	Rp1.219.801	Rp1.330.153	Rp1.454.299	Rp1.592.239	Rp1.743.973
22							Rp818.455	Rp832.458	Rp860.464	Rp908.828	Rp973.314	Rp1.053.922	Rp1.150.651	Rp1.247.209	Rp1.357.561	Rp1.481.707
23								Rp855.885	Rp869.888	Rp902.131	Rp950.495	Rp1.014.981	Rp1.095.589	Rp1.178.353	Rp1.274.911	Rp1.385.263
24									Rp896.869	Rp912.991	Rp945.234	Rp993.598	Rp1.058.084	Rp1.127.054	Rp1.209.818	Rp1.306.376
25										Rp934.214	Rp950.335	Rp982.578	Rp1.030.943	Rp1.086.119	Rp1.155.089	Rp1.237.853
26											Rp975.881	Rp992.002	Rp1.024.245	Rp1.065.627	Rp1.120.803	Rp1.189.773
27												Rp1.018.984	Rp1.035.105	Rp1.062.693	Rp1.104.075	Rp1.159.251
28													Rp1.056.328	Rp1.070.122	Rp1.097.710	Rp1.139.092
29														Rp1.097.995	Rp1.111.789	Rp1.139.377
30															Rp1.136.443	Rp1.150.237
31																Rp1.171.460
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fn	Rp598.470	Rp631.235	Rp666.376	Rp707.360	Rp744.705	Rp782.135	Rp823.119	Rp860.464	Rp902.131	Rp945.234	Rp982.578	Rp1.024.245	Rp1.062.693	Rp1.097.710	Rp1.139.092	Rp1.177.825

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp7.373.740	Rp7.811.073	Rp8.261.658	Rp8.725.495	Rp9.244.993	Rp9.778.922	Rp10.327.281	Rp10.890.070	Rp11.397.370	Rp11.917.353	Rp12.450.018	Rp12.995.365	Rp13.458.927	Rp13.933.025	Rp14.417.658	Rp14.912.826
2	Rp7.036.083	Rp7.460.163	Rp7.897.496	Rp8.348.081	Rp8.853.148	Rp9.372.646	Rp9.906.575	Rp10.454.934	Rp10.949.551	Rp11.456.851	Rp11.976.834	Rp12.509.499	Rp12.962.525	Rp13.426.087	Rp13.900.185	Rp14.384.818
3	Rp6.637.463	Rp7.048.291	Rp7.472.371	Rp7.909.703	Rp8.400.340	Rp8.905.408	Rp9.424.906	Rp9.958.834	Rp10.440.769	Rp10.935.387	Rp11.442.687	Rp11.962.669	Rp12.405.160	Rp12.858.187	Rp13.321.749	Rp13.795.846
4	Rp6.251.630	Rp6.649.205	Rp7.060.033	Rp7.484.113	Rp7.960.319	Rp8.450.956	Rp8.956.024	Rp9.475.522	Rp9.944.774	Rp10.426.709	Rp10.921.327	Rp11.428.627	Rp11.860.582	Rp12.303.073	Rp12.756.100	Rp13.219.662
5	Rp5.878.584	Rp6.262.907	Rp6.660.482	Rp7.071.309	Rp7.533.085	Rp8.009.292	Rp8.499.929	Rp9.004.996	Rp9.461.566	Rp9.930.819	Rp10.412.754	Rp10.907.371	Rp11.328.791	Rp11.760.747	Rp12.203.238	Rp12.656.264
6	Rp5.545.305	Rp5.916.375	Rp6.300.698	Rp6.698.273	Rp7.145.618	Rp7.607.394	Rp8.083.601	Rp8.574.238	Rp9.018.125	Rp9.474.695	Rp9.943.948	Rp10.425.883	Rp10.836.767	Rp11.258.187	Rp11.690.143	Rp12.132.634
7	Rp5.215.039	Rp5.572.857	Rp5.943.927	Rp6.328.249	Rp6.761.164	Rp7.208.510	Rp7.670.286	Rp8.146.492	Rp8.577.697	Rp9.021.585	Rp9.478.155	Rp9.947.407	Rp10.347.756	Rp10.758.641	Rp11.180.061	Rp11.612.016
8	Rp4.881.760	Rp5.226.325	Rp5.584.143	Rp5.955.213	Rp6.373.697	Rp6.806.612	Rp7.253.958	Rp7.715.734	Rp8.134.256	Rp8.565.461	Rp9.009.349	Rp9.465.919	Rp9.855.732	Rp10.256.081	Rp10.666.966	Rp11.088.386
9	Rp4.572.060	Rp4.903.373	Rp5.247.938	Rp5.605.755	Rp6.009.809	Rp6.428.294	Rp6.861.209	Rp7.308.554	Rp7.714.394	Rp8.132.917	Rp8.564.122	Rp9.008.009	Rp9.387.287	Rp9.777.101	Rp10.177.450	Rp10.588.334
10	Rp4.287.155	Rp4.605.215	Rp4.936.528	Rp5.281.093	Rp5.670.716	Rp6.074.770	Rp6.493.255	Rp6.926.170	Rp7.319.327	Rp7.725.167	Rp8.143.690	Rp8.574.895	Rp8.943.637	Rp9.322.915	Rp9.712.729	Rp10.113.078
11	Rp3.992.866	Rp4.297.673	Rp4.615.733	Rp4.947.046	Rp5.322.239	Rp5.711.862	Rp6.115.916	Rp6.534.401	Rp6.914.876	Rp7.308.033	Rp7.713.873	Rp8.132.396	Rp8.490.603	Rp8.859.345	Rp9.238.623	Rp9.628.437
12	Rp3.719.446	Rp4.011.001	Rp4.315.809	Rp4.633.869	Rp4.994.631	Rp5.369.824	Rp5.759.448	Rp6.163.502	Rp6.531.294	Rp6.911.769	Rp7.304.927	Rp7.710.767	Rp8.058.438	Rp8.416.645	Rp8.785.388	Rp9.164.666
13	Rp3.459.032	Rp3.737.335	Rp4.028.890	Rp4.333.697	Rp4.680.029	Rp5.040.792	Rp5.415.985	Rp5.805.608	Rp6.160.718	Rp6.528.511	Rp6.908.986	Rp7.302.143	Rp7.639.279	Rp7.986.951	Rp8.345.158	Rp8.713.900
14	Rp3.222.218	Rp3.487.268	Rp3.765.570	Rp4.057.125	Rp4.389.027	Rp4.735.359	Rp5.096.121	Rp5.471.314	Rp5.813.742	Rp6.168.852	Rp6.536.644	Rp6.917.119	Rp7.243.720	Rp7.580.856	Rp7.928.527	Rp8.286.734
15	Rp2.994.484	Rp3.246.281	Rp3.511.331	Rp3.789.634	Rp4.107.105	Rp4.439.006	Rp4.785.338	Rp5.146.101	Rp5.475.846	Rp5.818.273	Rp6.173.383	Rp6.541.176	Rp6.857.241	Rp7.183.841	Rp7.520.977	Rp7.868.649
16	Rp2.779.755	Rp3.018.300	Rp3.270.098	Rp3.535.148	Rp3.838.188	Rp4.155.659	Rp4.487.561	Rp4.833.893	Rp5.150.955	Rp5.480.700	Rp5.823.128	Rp6.178.238	Rp6.483.767	Rp6.799.832	Rp7.126.433	Rp7.463.569
17	Rp2.588.626	Rp2.813.919	Rp3.052.464	Rp3.304.261	Rp3.592.871	Rp3.895.912	Rp4.213.383	Rp4.545.284	Rp4.849.664	Rp5.166.727	Rp5.496.472	Rp5.838.899	Rp6.133.893	Rp6.439.423	Rp6.755.488	Rp7.082.088
18	Rp2.396.033	Rp2.608.073	Rp2.833.365	Rp3.071.910	Rp3.346.090	Rp3.634.700	Rp3.937.740	Rp4.255.211	Rp4.546.909	Rp4.851.289	Rp5.168.351	Rp5.498.096	Rp5.782.555	Rp6.077.549	Rp6.383.078	Rp6.699.143
19	Rp2.216.445	Rp2.415.232	Rp2.627.272	Rp2.852.565	Rp3.112.314	Rp3.386.493	Rp3.675.103	Rp3.978.144	Rp4.257.159	Rp4.548.856	Rp4.853.236	Rp5.170.299	Rp5.444.222	Rp5.728.680	Rp6.023.674	Rp6.329.204
20	Rp2.050.945	Rp2.236.480	Rp2.435.268	Rp2.647.308	Rp2.892.626	Rp3.152.375	Rp3.426.555	Rp3.715.165	Rp3.981.497	Rp4.260.512	Rp4.552.210	Rp4.856.590	Rp5.119.977	Rp5.393.900	Rp5.678.359	Rp5.973.353
21	Rp1.903.003	Rp2.075.286	Rp2.260.821	Rp2.459.608	Rp2.690.496	Rp2.935.815	Rp3.195.564	Rp3.469.743	Rp3.723.393	Rp3.989.726	Rp4.268.741	Rp4.560.438	Rp4.813.290	Rp5.076.678	Rp5.350.601	Rp5.635.059
22	Rp1.765.424	Rp1.924.454	Rp2.096.737	Rp2.282.272	Rp2.498.729	Rp2.729.617	Rp2.974.936	Rp3.234.685	Rp3.475.652	Rp3.729.302	Rp3.995.635	Rp4.274.650	Rp4.516.966	Rp4.769.818	Rp5.033.206	Rp5.307.129
23	Rp1.641.934	Rp1.787.711	Rp1.946.741	Rp2.119.024	Rp2.321.051	Rp2.537.508	Rp2.768.396	Rp3.013.715	Rp3.242.000	Rp3.482.967	Rp3.736.617	Rp4.002.950	Rp4.234.731	Rp4.477.047	Rp4.729.899	Rp4.993.287
24	Rp1.536.001	Rp1.668.526	Rp1.814.303	Rp1.973.333	Rp2.160.930	Rp2.362.957	Rp2.579.414	Rp2.810.302	Rp3.025.905	Rp3.254.190	Rp3.495.157	Rp3.748.807	Rp3.970.053	Rp4.201.834	Rp4.444.150	Rp4.697.002
25	Rp1.440.431	Rp1.559.703	Rp1.692.228	Rp1.838.006	Rp2.011.172	Rp2.198.768	Rp2.400.795	Rp2.617.253	Rp2.820.173	Rp3.035.775	Rp3.264.060	Rp3.505.028	Rp3.715.738	Rp3.936.983	Rp4.168.764	Rp4.411.081
26	Rp1.365.305	Rp1.471.325	Rp1.590.597	Rp1.723.122	Rp1.881.858	Rp2.055.024	Rp2.242.620	Rp2.444.647	Rp2.634.885	Rp2.837.805	Rp3.053.407	Rp3.281.692	Rp3.481.867	Rp3.692.577	Rp3.913.822	Rp4.145.603
27	Rp1.307.736	Rp1.400.504	Rp1.506.524	Rp1.625.796	Rp1.770.101	Rp1.928.837	Rp2.102.003	Rp2.289.599	Rp2.467.154	Rp2.657.392	Rp2.860.312	Rp3.075.914	Rp3.265.553	Rp3.465.728	Rp3.676.438	Rp3.897.683
28	Rp1.260.531	Rp1.340.046	Rp1.432.813	Rp1.538.833	Rp1.668.708	Rp1.813.013	Rp1.971.748	Rp2.144.914	Rp2.309.787	Rp2.487.342	Rp2.677.579	Rp2.880.499	Rp3.059.603	Rp3.249.242	Rp3.449.416	Rp3.660.126
29	Rp1.233.769	Rp1.300.032	Rp1.379.547	Rp1.472.314	Rp1.587.758	Rp1.717.633	Rp1.861.938	Rp2.020.673	Rp2.172.863	Rp2.337.736	Rp2.515.291	Rp2.705.528	Rp2.874.096	Rp3.053.200	Rp3.242.839	Rp3.443.013
30	Rp1.217.583	Rp1.270.593	Rp1.336.855	Rp1.416.370	Rp1.517.384	Rp1.632.828	Rp1.762.702	Rp1.907.007	Rp2.046.515	Rp2.198.705	Rp2.363.577	Rp2.541.132	Rp2.699.165	Rp2.867.733	Rp3.046.836	Rp3.236.475
31	Rp1.211.759	Rp1.251.517	Rp1.304.527	Rp1.370.789	Rp1.457.372	Rp1.558.386	Rp1.673.830	Rp1.803.704	Rp1.930.529	Rp2.070.037	Rp2.222.227	Rp2.387.099	Rp2.534.596	Rp2.692.629	Rp2.861.197	Rp3.040.300
32	Rp1.226.095	Rp1.252.600	Rp1.292.357	Rp1.345.367	Rp1.417.520	Rp1.504.103	Rp1.605.116	Rp1.720.560	Rp1.834.703	Rp1.961.528	Rp2.101.035	Rp2.253.225	Rp2.390.187	Rp2.537.684	Rp2.695.716	Rp2.864.284
33	Rp1.251.575	Rp1.264.828	Rp1.291.333	Rp1.331.090	Rp1.388.812	Rp1.460.965	Rp1.547.548	Rp1.648.516	Rp1.750.021	Rp1.864.164	Rp1.990.989	Rp2.130.496	Rp2.256.922	Rp2.393.884	Rp2.541.381	Rp2.699.413
34		Rp1.285.509	Rp1.298.762	Rp1.325.267	Rp1.368.558	Rp1.426.280	Rp1.498.433	Rp1.585.016	Rp1.673.793	Rp1.775.253	Rp1.889.396	Rp2.016.221	Rp2.132.111	Rp2.258.537	Rp2.395.489	Rp2.542.996
35			Rp1.325.267	Rp1.338.519	Rp1.367.380	Rp1.410.672	Rp1.468.394	Rp1.540.546	Rp1.616.641	Rp1.705.419	Rp1.806.879	Rp1.921.021	Rp2.026.376	Rp2.142.267	Rp2.268.693	Rp2.405.654
36				Rp1.365.083	Rp1.379.513	Rp1.408.374	Rp1.451.666	Rp1.509.388	Rp1.572.800	Rp1.648.895	Rp1.737.673	Rp1.839.133	Rp1.933.952	Rp2.039.307	Rp2.155.198	Rp2.281.624
37					Rp1.399.017	Rp1.413.447	Rp1.442.308	Rp1.485.600	Rp1.536.330	Rp1.599.742	Rp1.675.837	Rp1.764.615	Rp1.848.899	Rp1.943.718	Rp2.049.073	Rp2.164.964
38						Rp1.441.130	Rp1.455.561	Rp1.484.422	Rp1.522.469	Rp1.573.199	Rp1.636.612	Rp1.712.707	Rp1.786.455	Rp1.870.739	Rp1.965.559	Rp2.070.914
39							Rp1.482.124	Rp1.496.555	Rp1.521.920	Rp1.559.967	Rp1.610.697	Rp1.674.110	Rp1.737.323	Rp1.811.071	Rp1.895.355	Rp1.990.175
40								Rp1.516.058	Rp1.528.741	Rp1.554.106	Rp1.592.153	Rp1.642.883	Rp1.695.561	Rp1.758.774	Rp1.832.522	Rp1.916.806
41									Rp1.558.172	Rp1.596.219	Rp1.634.267	Rp1.676.409	Rp1.729.086	Rp1.792.599	Rp1.866.048	
42										Rp1.595.670	Rp1.608.352	Rp1.633.717	Rp1.665.324	Rp1.707.466	Rp1.760.143	Rp1.823.356
43											Rp1.627.856	Rp1.640.538	Rp1.661.609	Rp1.693.216	Rp1.735.358	Rp1.788.035
44												Rp1.665.903	Rp1.676.439	Rp1.697.510	Rp1.729.116	Rp1.771.258
45													Rp1.707.467	Rp1.718.003	Rp1.739.074	Rp1.770.680
46														Rp1.735.359	Rp1.745.895	Rp1.766.966
47															Rp1.766.966	Rp1.777.501
48																Rp1.802.866
fn	Rp1.211.759	Rp1.251.517	Rp1.291.333	Rp1.325.267	Rp1.367.380	Rp1.408.374	Rp1.442.308	Rp1.484.422	Rp1.521.920	Rp1.554.106	Rp1.592.153	Rp1.633.717	Rp1.661.609	Rp1.693.216	Rp1.729.116	Rp1.766.966

- Agen Umar Jenis AirKu botol

Matriks Biaya Optimal																
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Rp73.750	Rp74.406	Rp75.719	Rp77.688	Rp82.863	Rp89.331	Rp97.094	Rp106.150	Rp114.850	Rp124.638	Rp135.513	Rp147.475	Rp158.725	Rp170.913	Rp184.038	Rp198.100
2		Rp147.500	Rp148.156	Rp149.469	Rp153.350	Rp158.525	Rp164.994	Rp172.756	Rp180.369	Rp189.069	Rp198.856	Rp209.731	Rp220.044	Rp231.294	Rp243.481	Rp256.606
3			Rp148.156	Rp148.813	Rp151.400	Rp155.281	Rp160.456	Rp166.925	Rp173.450	Rp181.063	Rp189.763	Rp199.550	Rp208.925	Rp219.238	Rp230.488	Rp242.675
4				Rp149.469	Rp150.763	Rp153.350	Rp157.231	Rp162.406	Rp167.844	Rp174.369	Rp181.981	Rp190.681	Rp199.119	Rp208.494	Rp218.806	Rp230.056
5					Rp151.438	Rp152.731	Rp155.319	Rp159.200	Rp163.550	Rp168.988	Rp175.513	Rp183.125	Rp190.625	Rp199.063	Rp208.438	Rp218.750
6						Rp156.613	Rp157.906	Rp160.494	Rp163.756	Rp168.106	Rp173.544	Rp180.069	Rp186.631	Rp194.131	Rp202.569	Rp211.944
7							Rp163.081	Rp164.375	Rp166.550	Rp169.813	Rp174.163	Rp179.600	Rp185.225	Rp191.788	Rp199.288	Rp207.725
8								Rp170.844	Rp171.931	Rp174.106	Rp177.369	Rp181.719	Rp186.406	Rp192.031	Rp198.594	Rp206.094
9									Rp179.900	Rp180.988	Rp183.163	Rp186.425	Rp190.175	Rp194.863	Rp200.488	Rp207.050
10										Rp188.600	Rp189.688	Rp191.863	Rp194.675	Rp198.425	Rp203.113	Rp208.738
11											Rp198.388	Rp199.475	Rp201.350	Rp204.163	Rp207.913	Rp212.600
12												Rp209.263	Rp210.200	Rp212.075	Rp214.888	Rp218.638
13													Rp221.225	Rp222.163	Rp224.038	Rp226.850
14														Rp232.475	Rp233.413	Rp235.288
15															Rp244.663	Rp245.600
16																Rp257.788
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fn	Rp73.750	Rp74.406	Rp75.719	Rp77.688	Rp82.863	Rp89.331	Rp97.094	Rp106.150	Rp114.850	Rp124.638	Rp135.513	Rp147.475	Rp158.725	Rp170.913	Rp184.038	Rp198.100

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp217.300	Rp237.700	Rp259.300	Rp282.100	Rp300.100	Rp319.000	Rp338.800	Rp359.500	Rp376.600	Rp394.413	Rp412.938	Rp432.175	Rp452.650	Rp473.856	Rp495.794	Rp518.463
2	Rp274.606	Rp293.806	Rp314.206	Rp335.806	Rp352.906	Rp370.906	Rp389.806	Rp409.606	Rp425.994	Rp443.094	Rp460.906	Rp479.431	Rp499.175	Rp519.650	Rp540.856	Rp562.794
3	Rp259.475	Rp277.475	Rp296.675	Rp317.075	Rp333.275	Rp350.375	Rp368.375	Rp387.275	Rp402.950	Rp419.338	Rp436.438	Rp454.250	Rp473.263	Rp493.006	Rp513.481	Rp534.688
4	Rp245.656	Rp262.456	Rp280.456	Rp299.656	Rp314.956	Rp331.156	Rp348.256	Rp366.256	Rp381.219	Rp396.894	Rp413.281	Rp430.381	Rp448.663	Rp467.675	Rp487.419	Rp507.894
5	Rp233.150	Rp248.750	Rp265.550	Rp283.550	Rp297.950	Rp313.250	Rp329.450	Rp346.550	Rp360.800	Rp375.763	Rp391.438	Rp407.825	Rp425.375	Rp443.656	Rp462.669	Rp482.413
6	Rp225.144	Rp239.544	Rp255.144	Rp271.944	Rp285.444	Rp299.844	Rp315.144	Rp331.344	Rp344.881	Rp359.131	Rp374.094	Rp389.769	Rp406.588	Rp424.138	Rp442.419	Rp461.431
7	Rp219.725	Rp232.925	Rp247.325	Rp262.925	Rp275.525	Rp289.025	Rp303.425	Rp318.725	Rp331.550	Rp345.088	Rp359.338	Rp374.300	Rp390.388	Rp407.206	Rp424.756	Rp443.038
8	Rp216.894	Rp228.894	Rp242.094	Rp256.494	Rp268.194	Rp280.794	Rp294.294	Rp308.694	Rp320.806	Rp333.631	Rp347.169	Rp361.419	Rp376.775	Rp392.863	Rp409.681	Rp427.231
9	Rp216.650	Rp227.450	Rp239.450	Rp252.650	Rp263.450	Rp275.150	Rp287.750	Rp301.250	Rp312.650	Rp324.763	Rp337.588	Rp351.125	Rp365.750	Rp381.106	Rp397.194	Rp414.013
10	Rp217.138	Rp226.738	Rp237.538	Rp249.538	Rp259.438	Rp270.238	Rp281.938	Rp294.538	Rp305.225	Rp316.625	Rp328.738	Rp341.563	Rp355.456	Rp370.081	Rp385.438	Rp401.525
11	Rp219.800	Rp228.200	Rp237.800	Rp248.600	Rp257.600	Rp267.500	Rp278.300	Rp290.000	Rp299.975	Rp310.663	Rp322.063	Rp334.175	Rp347.338	Rp361.231	Rp375.856	Rp391.213
12	Rp224.638	Rp231.838	Rp240.238	Rp249.838	Rp257.938	Rp266.938	Rp276.838	Rp287.638	Rp296.900	Rp306.875	Rp317.563	Rp328.963	Rp341.394	Rp354.556	Rp368.450	Rp383.075
13	Rp231.650	Rp237.650	Rp244.850	Rp253.250	Rp260.450	Rp268.550	Rp277.550	Rp287.450	Rp296.000	Rp305.263	Rp315.238	Rp325.925	Rp337.625	Rp350.056	Rp363.219	Rp377.113
14	Rp238.888	Rp243.688	Rp249.688	Rp256.888	Rp263.188	Rp270.388	Rp278.488	Rp287.488	Rp295.325	Rp303.875	Rp313.138	Rp323.113	Rp334.081	Rp345.781	Rp358.213	Rp371.375
15	Rp248.000	Rp251.600	Rp256.400	Rp262.400	Rp267.800	Rp274.100	Rp281.300	Rp289.400	Rp296.525	Rp304.363	Rp312.913	Rp322.175	Rp332.413	Rp343.381	Rp355.081	Rp367.513
16	Rp258.988	Rp261.388	Rp264.988	Rp269.788	Rp274.288	Rp279.688	Rp285.988	Rp293.188	Rp299.600	Rp306.725	Rp314.563	Rp323.113	Rp332.619	Rp342.856	Rp353.825	Rp365.525
17	Rp271.850	Rp273.050	Rp275.450	Rp279.050	Rp282.650	Rp287.150	Rp292.550	Rp298.850	Rp304.550	Rp310.963	Rp318.088	Rp325.925	Rp334.700	Rp344.206	Rp354.444	Rp365.413
18		Rp290.400	Rp291.600	Rp294.000	Rp296.700	Rp300.300	Rp304.800	Rp310.200	Rp315.188	Rp320.888	Rp327.300	Rp334.425	Rp342.469	Rp351.244	Rp360.750	Rp370.988
19			Rp300.488	Rp301.688	Rp303.488	Rp306.188	Rp309.788	Rp314.288	Rp318.563	Rp323.550	Rp329.250	Rp335.663	Rp342.975	Rp351.019	Rp359.794	Rp369.300
20				Rp311.288	Rp312.188	Rp313.988	Rp316.688	Rp320.288	Rp323.850	Rp328.125	Rp333.113	Rp338.813	Rp345.394	Rp352.706	Rp360.750	Rp369.525
21					Rp322.350	Rp323.250	Rp325.050	Rp327.750	Rp330.600	Rp334.163	Rp338.438	Rp343.425	Rp349.275	Rp355.856	Rp363.169	Rp371.213
22						Rp331.350	Rp332.250	Rp334.050	Rp336.188	Rp339.038	Rp342.600	Rp346.875	Rp351.994	Rp357.844	Rp364.425	Rp371.738
23							Rp340.688	Rp341.588	Rp343.013	Rp345.150	Rp348.000	Rp351.563	Rp355.950	Rp361.069	Rp366.919	Rp373.500
24								Rp350.588	Rp351.300	Rp352.725	Rp354.863	Rp357.713	Rp361.369	Rp365.756	Rp370.875	Rp376.725
25									Rp361.200	Rp361.913	Rp363.338	Rp365.475	Rp368.400	Rp372.056	Rp376.444	Rp381.563
26										Rp369.075	Rp369.788	Rp371.213	Rp373.406	Rp376.331	Rp379.988	Rp384.375
27											Rp377.625	Rp378.338	Rp379.800	Rp381.994	Rp384.919	Rp388.575
28												Rp386.663	Rp387.394	Rp388.856	Rp391.050	Rp393.975
29													Rp395.925	Rp396.656	Rp398.119	Rp400.313
30														Rp406.163	Rp406.894	Rp408.356
31															Rp416.606	Rp417.338
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fn	Rp216.650	Rp226.738	Rp237.538	Rp248.600	Rp257.600	Rp266.938	Rp276.838	Rp287.450	Rp295.325	Rp303.875	Rp312.913	Rp322.175	Rp332.413	Rp342.856	Rp353.825	Rp365.413

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp550.263	Rp583.056	Rp616.844	Rp651.625	Rp709.000	Rp767.969	Rp828.531	Rp890.688	Rp931.188	Rp972.700	Rp1.015.225	Rp1.058.763	Rp1.123.113	Rp1.188.925	Rp1.256.200	Rp1.324.938
2	Rp593.600	Rp625.400	Rp658.194	Rp691.981	Rp747.763	Rp805.138	Rp864.106	Rp924.669	Rp964.156	Rp1.004.656	Rp1.046.169	Rp1.088.694	Rp1.151.581	Rp1.215.931	Rp1.281.744	Rp1.349.019
3	Rp564.500	Rp595.306	Rp627.106	Rp659.900	Rp714.088	Rp769.869	Rp827.244	Rp886.213	Rp924.688	Rp964.175	Rp1.004.675	Rp1.046.188	Rp1.107.613	Rp1.170.500	Rp1.234.850	Rp1.300.663
4	Rp536.713	Rp566.525	Rp597.331	Rp629.131	Rp681.725	Rp735.913	Rp791.694	Rp849.069	Rp886.531	Rp925.006	Rp964.494	Rp1.004.994	Rp1.064.956	Rp1.126.381	Rp1.189.269	Rp1.253.619
5	Rp510.238	Rp539.056	Rp568.869	Rp599.675	Rp650.675	Rp703.269	Rp757.456	Rp813.238	Rp849.688	Rp887.150	Rp925.625	Rp965.113	Rp1.023.613	Rp1.083.575	Rp1.145.000	Rp1.207.888
6	Rp488.263	Rp516.088	Rp544.906	Rp574.719	Rp624.125	Rp675.125	Rp727.719	Rp781.906	Rp817.344	Rp853.794	Rp891.256	Rp929.731	Rp986.769	Rp1.045.269	Rp1.105.231	Rp1.166.656
7	Rp468.875	Rp495.706	Rp523.531	Rp552.350	Rp600.163	Rp649.569	Rp700.569	Rp753.163	Rp787.588	Rp823.025	Rp859.475	Rp896.938	Rp952.513	Rp1.009.550	Rp1.068.050	Rp1.128.013
8	Rp452.075	Rp477.913	Rp504.744	Rp532.569	Rp578.788	Rp626.600	Rp676.006	Rp727.006	Rp760.419	Rp794.844	Rp830.281	Rp866.731	Rp920.844	Rp976.419	Rp1.033.456	Rp1.091.956
9	Rp437.863	Rp462.706	Rp488.544	Rp515.375	Rp560.000	Rp606.219	Rp654.031	Rp703.438	Rp735.838	Rp769.250	Rp803.675	Rp839.113	Rp891.763	Rp945.875	Rp1.001.450	Rp1.058.488
10	Rp424.381	Rp448.231	Rp473.075	Rp498.913	Rp541.944	Rp586.569	Rp632.788	Rp680.600	Rp711.988	Rp744.388	Rp777.800	Rp812.225	Rp863.413	Rp916.063	Rp970.175	Rp1.025.750
11	Rp413.075	Rp435.931	Rp459.781	Rp484.625	Rp526.063	Rp569.094	Rp613.719	Rp659.938	Rp690.313	Rp721.700	Rp754.100	Rp787.513	Rp837.238	Rp888.425	Rp941.075	Rp995.188
12	Rp403.944	Rp425.806	Rp448.663	Rp472.513	Rp512.356	Rp553.794	Rp596.825	Rp641.450	Rp670.813	Rp701.188	Rp732.575	Rp764.975	Rp813.238	Rp862.963	Rp914.150	Rp966.800
13	Rp396.988	Rp417.856	Rp439.719	Rp462.575	Rp500.825	Rp540.669	Rp582.106	Rp625.138	Rp653.488	Rp682.850	Rp713.225	Rp744.613	Rp791.413	Rp839.675	Rp889.400	Rp940.588
14	Rp390.256	Rp410.131	Rp431.000	Rp452.863	Rp489.519	Rp527.769	Rp567.613	Rp609.050	Rp636.388	Rp664.738	Rp694.100	Rp724.475	Rp769.813	Rp816.613	Rp864.875	Rp914.600
15	Rp385.400	Rp404.281	Rp424.156	Rp445.025	Rp480.088	Rp516.744	Rp554.994	Rp594.838	Rp621.163	Rp648.500	Rp676.850	Rp706.213	Rp750.088	Rp795.425	Rp842.225	Rp890.488
16	Rp382.419	Rp400.306	Rp419.188	Rp439.063	Rp472.531	Rp507.594	Rp544.250	Rp582.500	Rp607.813	Rp634.138	Rp661.475	Rp689.825	Rp732.238	Rp776.113	Rp821.450	Rp868.250
17	Rp381.313	Rp398.206	Rp416.094	Rp434.975	Rp466.850	Rp500.319	Rp535.381	Rp572.038	Rp596.338	Rp621.650	Rp647.975	Rp675.313	Rp716.263	Rp758.675	Rp802.550	Rp847.888
18	Rp385.894	Rp401.794	Rp418.688	Rp436.575	Rp466.856	Rp498.731	Rp532.200	Rp567.263	Rp590.550	Rp614.850	Rp640.163	Rp666.488	Rp705.975	Rp746.925	Rp789.338	Rp833.213
19	Rp383.213	Rp398.119	Rp414.019	Rp430.913	Rp459.600	Rp489.881	Rp521.756	Rp555.225	Rp577.500	Rp600.788	Rp625.088	Rp650.400	Rp688.425	Rp727.913	Rp768.863	Rp811.275
20	Rp382.444	Rp396.356	Rp411.263	Rp427.163	Rp454.256	Rp482.944	Rp513.225	Rp545.100	Rp566.363	Rp588.638	Rp611.925	Rp636.225	Rp672.788	Rp710.813	Rp750.300	Rp791.250
21	Rp383.138	Rp396.056	Rp409.969	Rp424.875	Rp450.375	Rp477.469	Rp506.156	Rp536.438	Rp556.688	Rp577.950	Rp600.225	Rp623.513	Rp658.613	Rp695.175	Rp733.200	Rp772.688
22	Rp382.669	Rp394.594	Rp407.513	Rp421.425	Rp445.331	Rp470.831	Rp497.925	Rp526.613	Rp545.850	Rp566.100	Rp587.363	Rp609.638	Rp643.275	Rp678.375	Rp714.938	Rp752.963
23	Rp383.438	Rp394.369	Rp406.294	Rp419.213	Rp441.525	Rp465.431	Rp490.931	Rp518.025	Rp536.250	Rp555.488	Rp575.738	Rp597.000	Rp629.175	Rp662.813	Rp697.913	Rp734.475
24	Rp385.669	Rp395.606	Rp406.538	Rp418.463	Rp439.181	Rp461.494	Rp485.400	Rp510.900	Rp528.113	Rp546.338	Rp565.575	Rp585.825	Rp616.538	Rp648.713	Rp682.350	Rp717.450
25	Rp389.513	Rp398.456	Rp408.394	Rp419.325	Rp438.450	Rp459.169	Rp481.481	Rp505.388	Rp521.588	Rp538.800	Rp557.025	Rp576.263	Rp605.513	Rp636.225	Rp668.400	Rp702.038
26	Rp391.331	Rp399.281	Rp408.225	Rp418.163	Rp435.694	Rp454.819	Rp475.538	Rp497.850	Rp513.038	Rp529.238	Rp546.450	Rp564.675	Rp592.463	Rp621.713	Rp652.425	Rp684.600
27	Rp394.538	Rp401.494	Rp409.444	Rp418.388	Rp434.325	Rp451.856	Rp470.981	Rp491.700	Rp505.875	Rp521.063	Rp537.263	Rp554.475	Rp580.800	Rp608.588	Rp637.838	Rp668.550
28	Rp398.944	Rp404.906	Rp411.863	Rp419.813	Rp434.156	Rp450.094	Rp467.625	Rp486.750	Rp499.913	Rp514.088	Rp529.275	Rp545.475	Rp570.338	Rp596.663	Rp624.450	Rp653.700
29	Rp404.288	Rp409.256	Rp415.219	Rp422.175	Rp434.925	Rp449.269	Rp465.206	Rp482.738	Rp494.888	Rp508.050	Rp522.225	Rp537.413	Rp560.813	Rp585.675	Rp612.000	Rp639.788
30	Rp411.338	Rp415.313	Rp420.281	Rp426.244	Rp437.400	Rp450.150	Rp464.494	Rp480.431	Rp491.569	Rp503.719	Rp516.881	Rp531.056	Rp552.994	Rp576.394	Rp601.256	Rp627.581
31	Rp419.325	Rp422.306	Rp426.281	Rp431.250	Rp440.813	Rp451.969	Rp464.719	Rp479.063	Rp489.188	Rp500.325	Rp512.475	Rp525.638	Rp546.113	Rp568.050	Rp591.450	Rp616.313
32	Rp428.569	Rp430.556	Rp433.538	Rp437.513	Rp445.481	Rp455.044	Rp466.200	Rp478.950	Rp488.063	Rp498.188	Rp509.325	Rp521.475	Rp540.488	Rp560.963	Rp582.900	Rp606.300
33	Rp439.163	Rp440.156	Rp442.144	Rp445.125	Rp451.500	Rp459.469	Rp469.031	Rp480.188	Rp488.288	Rp497.400	Rp507.525	Rp518.663	Rp536.213	Rp555.225	Rp575.700	Rp597.638
34		Rp455.063	Rp456.056	Rp458.044	Rp462.825	Rp469.200	Rp477.169	Rp486.731	Rp493.819	Rp501.919	Rp511.031	Rp521.156	Rp537.244	Rp554.794	Rp573.806	Rp594.281
35			Rp468.119	Rp469.113	Rp472.300	Rp477.081	Rp483.456	Rp491.425	Rp497.500	Rp504.588	Rp512.688	Rp521.800	Rp536.425	Rp552.513	Rp570.063	Rp589.075
36				Rp480.044	Rp481.638	Rp484.825	Rp489.606	Rp495.981	Rp501.444	Rp507.119	Rp514.206	Rp522.306	Rp535.469	Rp550.094	Rp566.181	Rp583.731
37					Rp491.913	Rp493.506	Rp496.694	Rp501.475	Rp505.525	Rp510.588	Rp516.663	Rp523.750	Rp535.450	Rp548.613	Rp563.238	Rp579.325
38						Rp507.906	Rp512.688	Rp515.725	Rp519.775	Rp524.838	Rp530.913	Rp541.150	Rp552.850	Rp566.013	Rp580.638	Rp598.638
39							Rp523.019	Rp524.613	Rp526.638	Rp529.675	Rp533.725	Rp538.788	Rp547.563	Rp557.800	Rp569.500	Rp582.663
40								Rp538.244	Rp539.256	Rp541.281	Rp544.319	Rp548.369	Rp555.681	Rp564.456	Rp574.694	Rp586.394
41									Rp552.700	Rp553.713	Rp555.738	Rp558.775	Rp564.625	Rp571.938	Rp580.713	Rp590.950
42										Rp561.813	Rp562.825	Rp564.850	Rp569.238	Rp575.088	Rp582.400	Rp591.175
43											Rp571.150	Rp572.163	Rp575.088	Rp579.475	Rp585.325	Rp592.638
44												Rp581.275	Rp582.738	Rp585.663	Rp590.050	Rp595.900
45													Rp592.413	Rp593.875	Rp596.800	Rp601.188
46														Rp609.200	Rp610.663	Rp613.588
47															Rp622.363	Rp623.825
48																Rp636.988
fn	Rp381.313	Rp394.369	Rp406.294	Rp418.163	Rp434.156	Rp449.269	Rp464.494	Rp478.950	Rp488.063	Rp497.400	Rp507.525	Rp518.663	Rp535.450	Rp548.613	Rp563.238	Rp579.325

- Agen Umar AirKu galon

Matriks Biaya Optimal																	
O	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp74.438	Rp75.813	Rp77.875	Rp78.900	Rp80.181	Rp81.719	Rp83.513	Rp88.763	Rp94.669	Rp101.231	Rp108.450	Rp114.900	Rp121.888	Rp129.413	Rp137.475	
2		Rp147.500	Rp148.188	Rp149.563	Rp150.331	Rp151.356	Rp152.638	Rp154.175	Rp158.769	Rp164.019	Rp169.925	Rp176.488	Rp182.400	Rp188.850	Rp195.838	Rp203.363	
3			Rp148.188	Rp148.875	Rp149.388	Rp150.156	Rp151.181	Rp152.463	Rp156.400	Rp160.994	Rp166.244	Rp172.150	Rp177.525	Rp183.438	Rp189.888	Rp196.875	
4				Rp149.563	Rp149.819	Rp150.331	Rp151.100	Rp152.125	Rp155.406	Rp159.344	Rp163.938	Rp169.188	Rp174.025	Rp179.400	Rp185.313	Rp191.763	
5					Rp151.625	Rp151.881	Rp152.394	Rp153.163	Rp155.788	Rp159.069	Rp163.006	Rp167.600	Rp171.900	Rp176.738	Rp182.113	Rp188.025	
6						Rp152.650	Rp152.906	Rp153.419	Rp155.388	Rp158.013	Rp161.294	Rp165.231	Rp168.994	Rp173.294	Rp178.131	Rp183.506	
7							Rp153.931	Rp154.188	Rp155.500	Rp157.469	Rp160.094	Rp163.375	Rp166.600	Rp170.363	Rp174.663	Rp179.500	
8								Rp155.469	Rp156.125	Rp157.438	Rp159.406	Rp162.031	Rp164.719	Rp167.944	Rp171.706	Rp176.006	
9									Rp157.263	Rp157.919	Rp159.231	Rp161.200	Rp163.350	Rp166.038	Rp169.263	Rp173.025	
10										Rp162.513	Rp163.169	Rp164.481	Rp166.094	Rp168.244	Rp170.931	Rp174.156	
11											Rp168.419	Rp169.075	Rp170.150	Rp171.763	Rp173.913	Rp176.600	
12												Rp174.981	Rp175.519	Rp176.594	Rp178.206	Rp180.356	
13													Rp182.200	Rp182.738	Rp183.813	Rp185.425	
14														Rp188.650	Rp189.188	Rp190.263	
15															Rp195.638	Rp196.175	
16																Rp203.163	
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fn	Rp73.750	Rp74.438	Rp75.813	Rp77.875	Rp78.900	Rp80.181	Rp81.719	Rp83.513	Rp88.763	Rp94.669	Rp101.231	Rp108.450	Rp114.900	Rp121.888	Rp129.413	Rp137.475	

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp144.875	Rp152.738	Rp161.063	Rp169.850	Rp180.975	Rp192.656	Rp204.894	Rp217.688	Rp236.138	Rp255.356	Rp275.344	Rp296.100	Rp314.475	Rp333.506	Rp353.194	Rp373.538
2	Rp210.300	Rp217.700	Rp225.563	Rp233.888	Rp244.456	Rp255.581	Rp267.263	Rp279.500	Rp297.181	Rp315.631	Rp334.850	Rp354.838	Rp372.556	Rp390.931	Rp409.963	Rp429.650
3	Rp203.350	Rp210.288	Rp217.688	Rp225.550	Rp235.563	Rp246.131	Rp257.256	Rp268.938	Rp285.850	Rp303.531	Rp321.981	Rp341.200	Rp358.263	Rp375.981	Rp394.356	Rp413.388
4	Rp197.775	Rp204.250	Rp211.188	Rp218.588	Rp228.044	Rp238.056	Rp248.625	Rp259.750	Rp275.894	Rp292.806	Rp310.488	Rp328.938	Rp345.344	Rp362.406	Rp380.125	Rp398.500
5	Rp193.575	Rp199.588	Rp206.063	Rp213.000	Rp221.900	Rp231.356	Rp241.369	Rp251.938	Rp267.313	Rp283.456	Rp300.369	Rp318.050	Rp333.800	Rp350.206	Rp367.269	Rp384.988
6	Rp188.594	Rp194.144	Rp200.156	Rp206.631	Rp214.975	Rp223.875	Rp233.331	Rp243.344	Rp257.950	Rp273.325	Rp289.469	Rp306.381	Rp321.475	Rp337.225	Rp353.631	Rp370.694
7	Rp184.125	Rp189.213	Rp194.763	Rp200.775	Rp208.563	Rp216.906	Rp225.806	Rp235.263	Rp249.100	Rp263.706	Rp279.081	Rp295.225	Rp309.663	Rp324.756	Rp340.506	Rp356.913
8	Rp180.169	Rp184.794	Rp189.881	Rp195.431	Rp202.663	Rp210.450	Rp218.794	Rp227.694	Rp240.763	Rp254.600	Rp269.206	Rp284.581	Rp298.363	Rp312.800	Rp327.894	Rp343.644
9	Rp176.725	Rp180.888	Rp185.513	Rp190.600	Rp197.275	Rp204.506	Rp212.294	Rp220.638	Rp232.938	Rp246.006	Rp259.844	Rp274.450	Rp287.575	Rp301.356	Rp315.794	Rp330.888
10	Rp177.394	Rp181.094	Rp185.256	Rp189.881	Rp196.000	Rp202.675	Rp209.906	Rp217.694	Rp229.225	Rp241.525	Rp254.594	Rp268.431	Rp280.900	Rp294.025	Rp307.806	Rp322.244
11	Rp179.375	Rp182.613	Rp186.313	Rp190.475	Rp196.038	Rp202.156	Rp208.831	Rp216.063	Rp226.825	Rp238.356	Rp250.656	Rp263.725	Rp275.538	Rp288.006	Rp301.131	Rp314.913
12	Rp182.669	Rp185.444	Rp188.681	Rp192.381	Rp197.388	Rp202.950	Rp209.069	Rp215.744	Rp225.738	Rp236.500	Rp248.031	Rp260.331	Rp271.488	Rp283.300	Rp295.769	Rp308.894
13	Rp187.275	Rp189.588	Rp192.363	Rp195.600	Rp200.050	Rp205.056	Rp210.619	Rp216.738	Rp225.963	Rp235.956	Rp246.719	Rp258.250	Rp268.750	Rp279.906	Rp291.719	Rp304.188
14	Rp191.650	Rp193.500	Rp195.813	Rp198.588	Rp202.481	Rp206.931	Rp211.938	Rp217.500	Rp225.956	Rp235.181	Rp245.175	Rp255.938	Rp265.781	Rp276.281	Rp287.438	Rp299.250
15	Rp197.100	Rp198.488	Rp200.338	Rp202.650	Rp205.988	Rp209.881	Rp214.331	Rp219.338	Rp227.025	Rp235.481	Rp244.706	Rp254.700	Rp263.888	Rp273.731	Rp284.231	Rp295.388
16	Rp203.625	Rp204.550	Rp205.938	Rp207.788	Rp210.569	Rp213.906	Rp217.800	Rp222.250	Rp229.169	Rp236.856	Rp245.313	Rp254.538	Rp263.069	Rp272.256	Rp282.100	Rp292.600
17	Rp211.225	Rp211.688	Rp212.613	Rp214.000	Rp216.225	Rp219.006	Rp222.344	Rp226.238	Rp232.388	Rp239.306	Rp246.994	Rp255.450	Rp263.325	Rp271.856	Rp281.044	Rp290.888
18		Rp218.625	Rp219.088	Rp220.013	Rp221.681	Rp223.906	Rp226.688	Rp230.025	Rp235.406	Rp241.556	Rp248.475	Rp256.163	Rp263.381	Rp271.256	Rp279.788	Rp288.975
19			Rp226.488	Rp226.950	Rp228.063	Rp229.731	Rp231.956	Rp234.738	Rp239.350	Rp244.731	Rp250.881	Rp257.800	Rp264.363	Rp271.581	Rp279.456	Rp287.988
20				Rp234.813	Rp235.369	Rp236.481	Rp238.150	Rp240.375	Rp244.219	Rp248.831	Rp254.213	Rp260.363	Rp266.269	Rp272.831	Rp280.050	Rp287.925
21					Rp243.600	Rp244.156	Rp245.269	Rp246.938	Rp250.013	Rp253.856	Rp258.469	Rp263.850	Rp269.100	Rp275.006	Rp281.569	Rp288.788
22						Rp254.725	Rp255.281	Rp256.394	Rp258.700	Rp261.775	Rp265.619	Rp270.231	Rp274.825	Rp280.075	Rp285.981	Rp292.544
23							Rp266.406	Rp266.963	Rp268.500	Rp270.806	Rp273.881	Rp277.725	Rp281.663	Rp286.256	Rp291.506	Rp297.413
24								Rp278.644	Rp279.413	Rp280.950	Rp283.256	Rp286.331	Rp289.613	Rp293.550	Rp298.144	Rp303.394
25									Rp289.494	Rp290.263	Rp291.800	Rp294.106	Rp296.731	Rp300.013	Rp303.950	Rp308.544
26										Rp299.488	Rp300.256	Rp301.794	Rp303.763	Rp306.388	Rp309.669	Rp313.606
27											Rp308.931	Rp309.700	Rp311.013	Rp312.981	Rp315.606	Rp318.888
28												Rp318.456	Rp319.113	Rp320.425	Rp322.394	Rp325.019
29													Rp328.288	Rp328.944	Rp330.256	Rp332.225
30														Rp336.819	Rp337.475	Rp338.788
31															Rp345.006	Rp345.663
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fn	Rp144.875	Rp152.738	Rp161.063	Rp169.850	Rp180.975	Rp192.656	Rp204.894	Rp215.744	Rp225.738	Rp235.181	Rp244.706	Rp254.538	Rp263.069	Rp271.256	Rp279.456	Rp287.925

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp395.338	Rp417.819	Rp440.981	Rp464.825	Rp486.875	Rp509.538	Rp532.813	Rp556.700	Rp594.200	Rp632.638	Rp672.013	Rp712.325	Rp748.625	Rp785.750	Rp823.700	Rp862.475
2	Rp450.769	Rp472.569	Rp495.050	Rp518.213	Rp539.650	Rp561.700	Rp584.363	Rp607.638	Rp644.200	Rp681.700	Rp720.138	Rp759.513	Rp794.988	Rp831.288	Rp868.413	Rp906.363
3	Rp433.825	Rp454.944	Rp476.744	Rp499.225	Rp520.050	Rp541.488	Rp563.538	Rp586.200	Rp621.825	Rp658.388	Rp695.888	Rp734.325	Rp768.975	Rp804.450	Rp840.750	Rp877.875
4	Rp418.256	Rp438.694	Rp459.813	Rp481.613	Rp501.825	Rp522.650	Rp544.088	Rp566.138	Rp600.825	Rp636.450	Rp673.013	Rp710.513	Rp744.338	Rp778.988	Rp814.463	Rp850.763
5	Rp404.063	Rp423.819	Rp444.256	Rp465.375	Rp484.975	Rp505.188	Rp526.013	Rp547.450	Rp581.200	Rp615.888	Rp651.513	Rp688.075	Rp721.075	Rp754.900	Rp789.550	Rp825.025
6	Rp389.088	Rp408.163	Rp427.919	Rp448.356	Rp467.344	Rp486.944	Rp507.156	Rp527.981	Rp560.794	Rp594.544	Rp629.231	Rp664.856	Rp697.031	Rp730.031	Rp763.856	Rp798.506
7	Rp374.625	Rp393.019	Rp412.094	Rp431.850	Rp450.225	Rp469.213	Rp488.813	Rp509.025	Rp540.900	Rp573.713	Rp607.463	Rp642.150	Rp673.500	Rp705.675	Rp738.675	Rp772.500
8	Rp360.675	Rp378.388	Rp396.781	Rp415.856	Rp433.619	Rp451.994	Rp470.981	Rp490.581	Rp521.519	Rp553.394	Rp586.206	Rp619.956	Rp650.481	Rp681.831	Rp714.006	Rp747.006
9	Rp347.238	Rp364.269	Rp381.981	Rp400.375	Rp417.525	Rp435.288	Rp453.663	Rp472.650	Rp502.650	Rp533.588	Rp565.463	Rp598.275	Rp627.975	Rp658.500	Rp689.850	Rp722.025
10	Rp337.913	Rp354.263	Rp371.294	Rp389.006	Rp405.544	Rp422.694	Rp440.456	Rp458.831	Rp487.894	Rp517.894	Rp548.831	Rp580.706	Rp609.581	Rp639.281	Rp669.806	Rp701.156
11	Rp329.900	Rp345.569	Rp361.919	Rp378.950	Rp394.875	Rp411.413	Rp428.563	Rp446.325	Rp474.450	Rp503.513	Rp533.513	Rp564.450	Rp592.500	Rp621.375	Rp651.075	Rp681.600
12	Rp323.200	Rp338.188	Rp353.856	Rp370.206	Rp385.519	Rp401.444	Rp417.981	Rp435.131	Rp462.319	Rp490.444	Rp519.506	Rp549.506	Rp576.731	Rp604.781	Rp633.656	Rp663.356
13	Rp317.813	Rp332.119	Rp347.106	Rp362.775	Rp377.475	Rp392.788	Rp408.713	Rp425.250	Rp451.500	Rp478.688	Rp506.813	Rp535.875	Rp562.275	Rp589.500	Rp617.550	Rp646.425
14	Rp312.194	Rp325.819	Rp340.125	Rp355.113	Rp369.200	Rp383.900	Rp399.213	Rp415.138	Rp440.450	Rp466.700	Rp493.888	Rp522.013	Rp547.588	Rp573.988	Rp601.213	Rp629.263
15	Rp307.650	Rp320.594	Rp334.219	Rp348.525	Rp362.000	Rp376.088	Rp390.788	Rp406.100	Rp430.475	Rp455.788	Rp482.038	Rp509.225	Rp533.975	Rp559.550	Rp585.950	Rp613.175
16	Rp304.181	Rp316.444	Rp329.388	Rp343.013	Rp355.875	Rp369.350	Rp383.438	Rp398.138	Rp421.575	Rp445.950	Rp471.263	Rp497.513	Rp521.438	Rp546.188	Rp571.763	Rp598.163
17	Rp301.788	Rp313.369	Rp325.631	Rp338.575	Rp350.825	Rp363.688	Rp377.163	Rp391.250	Rp413.750	Rp437.188	Rp461.563	Rp486.875	Rp509.975	Rp533.900	Rp558.650	Rp584.225
18	Rp299.194	Rp310.094	Rp321.675	Rp333.938	Rp345.575	Rp357.825	Rp370.688	Rp384.163	Rp405.725	Rp428.225	Rp451.663	Rp476.038	Rp498.313	Rp521.413	Rp545.338	Rp570.088
19	Rp297.525	Rp307.744	Rp318.644	Rp330.225	Rp341.250	Rp352.888	Rp365.138	Rp378.000	Rp398.625	Rp420.188	Rp442.688	Rp466.125	Rp487.575	Rp509.850	Rp532.950	Rp556.875
20	Rp296.781	Rp306.319	Rp316.538	Rp327.438	Rp337.850	Rp348.875	Rp360.513	Rp372.763	Rp392.450	Rp413.075	Rp434.638	Rp457.138	Rp477.763	Rp499.213	Rp521.488	Rp544.588
21	Rp296.963	Rp305.819	Rp315.356	Rp325.575	Rp335.375	Rp345.788	Rp356.813	Rp368.450	Rp387.200	Rp406.888	Rp427.513	Rp449.075	Rp468.875	Rp489.500	Rp510.950	Rp533.225
22	Rp300.038	Rp308.213	Rp317.069	Rp326.606	Rp335.794	Rp345.594	Rp356.006	Rp367.031	Rp384.844	Rp403.594	Rp423.281	Rp443.906	Rp462.881	Rp482.681	Rp503.306	Rp524.756
23	Rp304.225	Rp311.719	Rp319.894	Rp328.750	Rp337.325	Rp346.513	Rp356.313	Rp366.725	Rp383.600	Rp401.413	Rp420.163	Rp439.850	Rp458.000	Rp476.975	Rp496.775	Rp517.400
24	Rp309.525	Rp316.338	Rp323.831	Rp332.006	Rp339.969	Rp348.544	Rp357.731	Rp367.531	Rp383.469	Rp400.344	Rp418.156	Rp436.906	Rp454.231	Rp472.381	Rp491.356	Rp511.156
25	Rp313.994	Rp320.125	Rp326.938	Rp334.431	Rp341.781	Rp349.744	Rp358.319	Rp367.506	Rp382.506	Rp398.444	Rp415.319	Rp433.131	Rp449.631	Rp466.956	Rp485.106	Rp504.081
26	Rp318.375	Rp323.825	Rp329.956	Rp336.769	Rp343.506	Rp350.856	Rp358.819	Rp367.394	Rp381.456	Rp396.456	Rp412.394	Rp429.269	Rp444.944	Rp461.444	Rp478.769	Rp496.919
27	Rp322.975	Rp327.744	Rp333.194	Rp339.325	Rp345.450	Rp352.188	Rp359.538	Rp367.500	Rp380.625	Rp394.688	Rp409.688	Rp425.625	Rp440.475	Rp456.150	Rp472.650	Rp489.975
28	Rp328.425	Rp332.513	Rp337.281	Rp342.731	Rp348.244	Rp354.369	Rp361.106	Rp368.456	Rp380.644	Rp393.769	Rp407.831	Rp422.831	Rp436.856	Rp451.706	Rp467.381	Rp483.881
29	Rp334.950	Rp338.356	Rp342.444	Rp347.213	Rp352.113	Rp357.625	Rp363.750	Rp370.488	Rp381.738	Rp393.925	Rp407.050	Rp421.113	Rp434.313	Rp448.338	Rp463.188	Rp478.863
30	Rp340.831	Rp343.556	Rp346.963	Rp351.050	Rp355.338	Rp360.238	Rp365.750	Rp371.875	Rp382.188	Rp393.438	Rp405.625	Rp418.750	Rp431.125	Rp444.325	Rp458.350	Rp473.200
31	Rp347.025	Rp349.069	Rp351.794	Rp355.200	Rp358.875	Rp363.163	Rp368.063	Rp373.575	Rp382.950	Rp393.263	Rp404.513	Rp416.700	Rp428.250	Rp440.625	Rp453.825	Rp467.850
32	Rp353.888	Rp355.250	Rp357.294	Rp360.019	Rp363.081	Rp366.756	Rp371.044	Rp375.944	Rp384.381	Rp393.756	Rp404.069	Rp415.319	Rp426.044	Rp437.594	Rp449.969	Rp463.169
33	Rp361.675	Rp362.356	Rp363.719	Rp365.763	Rp368.213	Rp371.275	Rp374.950	Rp379.238	Rp386.738	Rp395.175	Rp404.550	Rp414.863	Rp424.763	Rp435.488	Rp447.038	Rp459.413
34		Rp370.531	Rp371.213	Rp372.575	Rp374.413	Rp376.863	Rp379.925	Rp383.600	Rp390.163	Rp397.663	Rp406.100	Rp415.475	Rp424.550	Rp434.450	Rp445.175	Rp456.725
35			Rp379.569	Rp380.250	Rp381.475	Rp383.313	Rp385.763	Rp388.825	Rp394.450	Rp401.013	Rp408.513	Rp416.950	Rp425.200	Rp434.275	Rp444.175	Rp454.900
36				Rp389.106	Rp389.719	Rp390.944	Rp392.781	Rp395.231	Rp399.919	Rp405.544	Rp412.106	Rp419.606	Rp427.031	Rp435.281	Rp444.356	Rp454.256
37					Rp399.325	Rp399.938	Rp401.163	Rp403.000	Rp406.750	Rp411.438	Rp417.063	Rp423.625	Rp430.225	Rp437.650	Rp445.900	Rp454.975
38						Rp409.125	Rp409.738	Rp410.963	Rp413.775	Rp417.525	Rp422.213	Rp427.838	Rp433.613	Rp440.213	Rp447.638	Rp455.888
39							Rp419.344	Rp419.956	Rp421.831	Rp424.644	Rp428.394	Rp433.081	Rp438.031	Rp443.806	Rp450.406	Rp457.831
40								Rp429.756	Rp430.694	Rp432.569	Rp435.381	Rp439.131	Rp443.256	Rp448.206	Rp453.981	Rp460.581
41									Rp440.475	Rp441.413	Rp443.288	Rp446.100	Rp449.400	Rp453.525	Rp458.475	Rp464.250
42										Rp454.375	Rp455.313	Rp457.188	Rp459.663	Rp462.963	Rp467.088	Rp472.038
43											Rp467.013	Rp467.950	Rp469.600	Rp472.075	Rp475.375	Rp479.500
44												Rp477.819	Rp478.644	Rp480.294	Rp482.769	Rp486.069
45													Rp488.613	Rp489.438	Rp491.088	Rp493.563
46														Rp498.300	Rp499.125	Rp500.775
47															Rp508.025	Rp508.850
48																Rp517.925
fn	Rp296.781	Rp305.819	Rp315.356	Rp325.575	Rp335.375	Rp345.594	Rp356.006	Rp366.725	Rp380.625	Rp393.263	Rp404.069	Rp414.863	Rp424.550	Rp434.275	Rp444.175	Rp454.256

- Agen Joko Sendang Jenis AirKu cup

Matriks Biaya Optimal																	
O	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Rp73.750	Rp85.226	Rp108.178	Rp142.606	Rp179.770	Rp226.225	Rp281.971	Rp347.008	Rp469.900	Rp608.154	Rp761.769	Rp930.745	Rp1.114.171	Rp1.312.883	Rp1.526.880	Rp1.756.162	
2		Rp147.500	Rp158.976	Rp181.928	Rp209.801	Rp246.965	Rp293.420	Rp349.166	Rp456.697	Rp579.589	Rp717.842	Rp871.457	Rp1.039.598	Rp1.223.024	Rp1.421.735	Rp1.635.732	
3			Rp158.976	Rp170.452	Rp189.034	Rp216.907	Rp254.071	Rp300.526	Rp392.695	Rp500.226	Rp623.118	Rp761.371	Rp914.226	Rp1.082.367	Rp1.265.793	Rp1.464.504	
4				Rp181.928	Rp191.219	Rp209.801	Rp237.674	Rp274.838	Rp351.646	Rp443.815	Rp551.345	Rp674.237	Rp811.807	Rp964.662	Rp1.132.802	Rp1.316.228	
5					Rp216.356	Rp225.647	Rp244.229	Rp272.102	Rp333.548	Rp410.356	Rp502.525	Rp610.055	Rp732.339	Rp869.909	Rp1.022.764	Rp1.190.904	
6						Rp253.520	Rp262.811	Rp281.393	Rp327.478	Rp388.924	Rp465.731	Rp557.900	Rp664.899	Rp787.183	Rp924.752	Rp1.077.607	
7							Rp283.551	Rp292.842	Rp323.565	Rp369.650	Rp431.096	Rp507.903	Rp599.616	Rp706.615	Rp828.899	Rp966.468	
8								Rp311.424	Rp326.786	Rp357.509	Rp403.593	Rp465.039	Rp541.467	Rp633.180	Rp740.178	Rp862.462	
9									Rp345.852	Rp361.214	Rp391.937	Rp438.021	Rp499.163	Rp575.591	Rp667.304	Rp774.302	
10										Rp397.315	Rp412.677	Rp443.400	Rp489.256	Rp550.398	Rp626.826	Rp718.539	
11											Rp431.259	Rp446.620	Rp477.191	Rp523.048	Rp584.190	Rp660.617	
12												Rp465.687	Rp480.972	Rp511.543	Rp557.400	Rp618.542	
13													Rp511.771	Rp527.057	Rp557.628	Rp603.484	
14														Rp550.941	Rp566.227	Rp596.798	
15															Rp585.293	Rp600.579	
16																Rp631.150	
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fn	Rp73.750	Rp85.226	Rp108.178	Rp142.606	Rp179.770	Rp209.801	Rp237.674	Rp272.102	Rp323.565	Rp357.509	Rp391.937	Rp438.021	Rp477.191	Rp511.543	Rp557.400	Rp596.798	

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp1.977.170	Rp2.211.991	Rp2.460.625	Rp2.723.072	Rp3.223.152	Rp3.748.236	Rp4.298.324	Rp4.873.416	Rp5.336.028	Rp5.817.916	Rp6.319.079	Rp6.839.517	Rp7.398.117	Rp7.976.667	Rp8.575.167	Rp9.193.617
2	Rp1.842.927	Rp2.063.935	Rp2.298.756	Rp2.547.390	Rp3.022.466	Rp3.522.546	Rp4.047.630	Rp4.597.718	Rp5.041.055	Rp5.503.667	Rp5.985.554	Rp6.486.717	Rp7.025.367	Rp7.583.967	Rp8.162.517	Rp8.761.017
3	Rp1.657.886	Rp1.865.081	Rp2.086.089	Rp2.320.910	Rp2.770.982	Rp3.246.058	Rp3.746.138	Rp4.271.222	Rp4.695.283	Rp5.138.620	Rp5.601.232	Rp6.083.119	Rp6.601.819	Rp7.140.469	Rp7.699.069	Rp8.277.619
4	Rp1.495.797	Rp1.689.179	Rp1.896.374	Rp2.117.382	Rp2.542.450	Rp2.992.522	Rp3.467.598	Rp3.967.678	Rp4.372.464	Rp4.796.525	Rp5.239.861	Rp5.702.473	Rp6.201.223	Rp6.719.923	Rp7.258.573	Rp7.817.173
5	Rp1.356.660	Rp1.536.229	Rp1.729.611	Rp1.936.806	Rp2.336.870	Rp2.761.938	Rp3.212.010	Rp3.687.086	Rp4.072.596	Rp4.477.382	Rp4.901.443	Rp5.344.779	Rp5.823.579	Rp6.322.329	Rp6.841.029	Rp7.379.679
6	Rp1.229.550	Rp1.395.306	Rp1.574.875	Rp1.768.257	Rp2.143.317	Rp2.543.381	Rp2.968.449	Rp3.418.521	Rp3.784.756	Rp4.170.266	Rp4.575.051	Rp4.999.112	Rp5.457.962	Rp5.936.762	Rp6.435.512	Rp6.954.212
7	Rp1.104.598	Rp1.256.541	Rp1.422.297	Rp1.601.866	Rp1.951.922	Rp2.326.982	Rp2.727.046	Rp3.152.114	Rp3.499.073	Rp3.865.308	Rp4.250.818	Rp4.655.603	Rp5.094.503	Rp5.553.353	Rp6.032.153	Rp6.530.903
8	Rp986.779	Rp1.124.909	Rp1.276.852	Rp1.442.608	Rp1.767.660	Rp2.117.716	Rp2.492.776	Rp2.892.840	Rp3.220.524	Rp3.567.483	Rp3.933.717	Rp4.319.227	Rp4.738.177	Rp5.177.077	Rp5.635.927	Rp6.114.727
9	Rp884.806	Rp1.009.123	Rp1.147.253	Rp1.299.196	Rp1.599.244	Rp1.924.296	Rp2.274.352	Rp2.649.412	Rp2.957.820	Rp3.285.504	Rp3.632.463	Rp3.998.697	Rp4.397.697	Rp4.816.647	Rp5.255.547	Rp5.714.397
10	Rp815.230	Rp925.734	Rp1.050.051	Rp1.188.181	Rp1.463.225	Rp1.763.273	Rp2.088.325	Rp2.438.381	Rp2.727.513	Rp3.035.921	Rp3.363.605	Rp3.710.564	Rp4.089.614	Rp4.488.614	Rp4.907.564	Rp5.346.464
11	Rp743.495	Rp840.186	Rp950.690	Rp1.075.007	Rp1.325.047	Rp1.600.091	Rp1.900.139	Rp2.225.191	Rp2.495.048	Rp2.784.181	Rp3.092.589	Rp3.420.272	Rp3.779.372	Rp4.158.422	Rp4.557.422	Rp4.976.372
12	Rp687.607	Rp770.485	Rp867.176	Rp977.680	Rp1.202.716	Rp1.452.756	Rp1.727.800	Rp2.027.848	Rp2.278.429	Rp2.548.286	Rp2.837.419	Rp3.145.827	Rp3.484.977	Rp3.844.077	Rp4.223.127	Rp4.622.127
13	Rp658.736	Rp727.801	Rp810.679	Rp907.370	Rp1.107.402	Rp1.332.438	Rp1.582.478	Rp1.857.522	Rp2.088.828	Rp2.339.410	Rp2.609.267	Rp2.898.399	Rp3.217.599	Rp3.556.749	Rp3.915.849	Rp4.294.899
14	Rp638.237	Rp693.489	Rp762.554	Rp845.432	Rp1.020.460	Rp1.220.492	Rp1.445.528	Rp1.695.568	Rp1.907.598	Rp2.138.904	Rp2.389.486	Rp2.659.343	Rp2.958.593	Rp3.277.793	Rp3.616.943	Rp3.976.043
15	Rp628.205	Rp669.644	Rp724.896	Rp793.961	Rp943.985	Rp1.119.013	Rp1.319.045	Rp1.544.081	Rp1.736.836	Rp1.948.866	Rp2.180.172	Rp2.430.754	Rp2.710.054	Rp3.009.304	Rp3.328.504	Rp3.667.654
16	Rp644.963	Rp672.589	Rp714.028	Rp769.280	Rp894.300	Rp1.044.324	Rp1.219.352	Rp1.419.384	Rp1.592.863	Rp1.785.618	Rp1.997.649	Rp2.228.955	Rp2.488.305	Rp2.767.605	Rp3.066.855	Rp3.386.055
17	Rp670.548	Rp684.361	Rp711.987	Rp753.426	Rp853.442	Rp978.462	Rp1.128.486	Rp1.303.514	Rp1.457.718	Rp1.631.197	Rp1.823.952	Rp2.035.983	Rp2.275.383	Rp2.534.733	Rp2.814.033	Rp3.113.283
18		Rp701.955	Rp715.768	Rp743.394	Rp818.406	Rp918.422	Rp1.043.442	Rp1.193.466	Rp1.328.394	Rp1.482.598	Rp1.656.078	Rp1.848.833	Rp2.068.283	Rp2.307.683	Rp2.567.033	Rp2.846.333
19			Rp743.394	Rp757.207	Rp807.215	Rp882.227	Rp982.243	Rp1.107.263	Rp1.222.916	Rp1.357.844	Rp1.512.048	Rp1.685.528	Rp1.885.028	Rp2.104.478	Rp2.343.878	Rp2.603.228
20				Rp785.737	Rp810.741	Rp860.749	Rp935.761	Rp1.035.777	Rp1.132.154	Rp1.247.807	Rp1.382.736	Rp1.536.940	Rp1.716.490	Rp1.915.990	Rp2.135.440	Rp2.374.840
21					Rp817.144	Rp842.148	Rp892.156	Rp967.168	Rp1.044.270	Rp1.140.647	Rp1.256.300	Rp1.391.229	Rp1.550.829	Rp1.730.379	Rp1.929.879	Rp2.149.329
22						Rp880.965	Rp905.969	Rp955.977	Rp1.013.803	Rp1.090.905	Rp1.187.283	Rp1.302.936	Rp1.442.586	Rp1.602.186	Rp1.781.736	Rp1.981.236
23							Rp915.898	Rp940.902	Rp979.453	Rp1.037.279	Rp1.114.381	Rp1.210.759	Rp1.330.459	Rp1.470.109	Rp1.629.709	Rp1.809.259
24								Rp965.906	Rp985.181	Rp1.023.732	Rp1.081.559	Rp1.158.661	Rp1.258.411	Rp1.378.111	Rp1.517.761	Rp1.677.361
25									Rp1.014.652	Rp1.033.927	Rp1.072.478	Rp1.130.305	Rp1.210.105	Rp1.309.855	Rp1.429.555	Rp1.569.205
26										Rp1.053.203	Rp1.072.478	Rp1.111.029	Rp1.170.879	Rp1.250.679	Rp1.350.429	Rp1.470.129
27											Rp1.097.482	Rp1.116.758	Rp1.156.658	Rp1.216.508	Rp1.296.308	Rp1.396.058
28												Rp1.146.228	Rp1.166.178	Rp1.206.078	Rp1.265.928	Rp1.345.728
29													Rp1.184.779	Rp1.204.729	Rp1.244.629	Rp1.304.479
30														Rp1.230.408	Rp1.250.358	Rp1.290.258
31															Rp1.278.479	Rp1.298.429
32																Rp1.318.379
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fn	Rp628.205	Rp669.644	Rp711.987	Rp743.394	Rp807.215	Rp842.148	Rp892.156	Rp940.902	Rp979.453	Rp1.023.732	Rp1.072.478	Rp1.111.029	Rp1.156.658	Rp1.204.729	Rp1.244.629	Rp1.290.258

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp9.717.713	Rp10.258.187	Rp10.815.039	Rp11.388.269	Rp11.890.667	Rp12.407.021	Rp12.937.330	Rp13.481.594	Rp14.248.054	Rp15.033.676	Rp15.838.459	Rp16.662.403	Rp17.091.271	Rp17.529.886	Rp17.978.248	Rp18.436.357
2	Rp9.268.735	Rp9.792.831	Rp10.333.305	Rp10.890.157	Rp11.378.600	Rp11.880.998	Rp12.397.351	Rp12.927.660	Rp13.674.959	Rp14.441.419	Rp15.227.040	Rp16.031.823	Rp16.450.944	Rp16.879.812	Rp17.318.427	Rp17.766.789
3	Rp8.768.959	Rp9.276.677	Rp9.800.773	Rp10.341.247	Rp10.815.734	Rp11.304.177	Rp11.806.575	Rp12.322.928	Rp13.051.065	Rp13.798.364	Rp14.564.824	Rp15.350.445	Rp15.759.819	Rp16.178.940	Rp16.607.808	Rp17.046.423
4	Rp8.292.135	Rp8.783.475	Rp9.291.193	Rp9.815.289	Rp10.275.821	Rp10.750.308	Rp11.238.750	Rp11.741.148	Rp12.450.124	Rp13.178.261	Rp13.925.559	Rp14.692.019	Rp15.091.646	Rp15.501.020	Rp15.920.141	Rp16.349.009
5	Rp7.838.263	Rp8.313.225	Rp8.804.565	Rp9.312.283	Rp9.758.859	Rp10.219.391	Rp10.693.878	Rp11.182.320	Rp11.872.134	Rp12.581.110	Rp13.309.247	Rp14.056.545	Rp14.446.425	Rp14.846.052	Rp15.255.426	Rp15.674.547
6	Rp7.396.418	Rp7.855.002	Rp8.329.964	Rp8.821.304	Rp9.253.925	Rp9.700.501	Rp10.161.032	Rp10.635.519	Rp11.306.172	Rp11.995.986	Rp12.704.961	Rp13.433.098	Rp13.813.231	Rp14.203.111	Rp14.602.738	Rp15.012.112
7	Rp6.956.731	Rp7.398.937	Rp7.857.521	Rp8.332.483	Rp8.751.148	Rp9.183.769	Rp9.630.345	Rp10.090.876	Rp10.742.367	Rp11.413.020	Rp12.102.834	Rp12.811.809	Rp13.182.195	Rp13.562.328	Rp13.952.208	Rp14.351.835
8	Rp6.524.177	Rp6.950.005	Rp7.392.211	Rp7.850.795	Rp8.255.505	Rp8.674.170	Rp9.106.790	Rp9.553.366	Rp10.185.696	Rp10.837.187	Rp11.507.839	Rp12.197.653	Rp12.558.292	Rp12.928.678	Rp13.308.811	Rp13.698.691
9	Rp6.107.469	Rp6.516.919	Rp6.942.747	Rp7.384.953	Rp7.775.707	Rp8.180.417	Rp8.599.082	Rp9.031.702	Rp9.644.870	Rp10.277.200	Rp10.928.691	Rp11.599.343	Rp11.950.235	Rp12.310.874	Rp12.681.260	Rp13.061.393
10	Rp5.723.158	Rp6.116.230	Rp6.525.680	Rp6.951.508	Rp7.328.306	Rp7.719.060	Rp8.123.770	Rp8.542.435	Rp9.136.441	Rp9.749.609	Rp10.381.939	Rp11.033.430	Rp11.374.575	Rp11.725.467	Rp12.086.106	Rp12.456.492
11	Rp5.336.688	Rp5.713.382	Rp6.106.454	Rp6.515.904	Rp6.878.747	Rp7.255.546	Rp7.646.300	Rp8.051.009	Rp8.625.854	Rp9.219.861	Rp9.833.029	Rp10.465.358	Rp10.796.756	Rp11.137.901	Rp11.488.793	Rp11.849.432
12	Rp4.966.065	Rp5.326.381	Rp5.703.075	Rp6.096.147	Rp6.445.034	Rp6.807.877	Rp7.184.676	Rp7.575.430	Rp8.131.113	Rp8.705.958	Rp9.299.965	Rp9.913.133	Rp10.234.784	Rp10.566.182	Rp10.907.327	Rp11.258.219
13	Rp4.622.459	Rp4.966.397	Rp5.326.713	Rp5.703.407	Rp6.038.339	Rp6.387.227	Rp6.750.070	Rp7.126.868	Rp7.663.390	Rp8.219.074	Rp8.793.919	Rp9.387.925	Rp9.699.829	Rp10.021.480	Rp10.352.878	Rp10.694.023
14	Rp4.287.225	Rp4.614.785	Rp4.958.723	Rp5.319.039	Rp5.640.015	Rp5.974.947	Rp6.323.835	Rp6.686.678	Rp7.204.038	Rp7.740.560	Rp8.296.244	Rp8.871.089	Rp9.173.246	Rp9.485.150	Rp9.806.801	Rp10.138.199
15	Rp3.962.458	Rp4.273.640	Rp4.601.200	Rp4.945.138	Rp5.252.159	Rp5.573.135	Rp5.908.067	Rp6.256.955	Rp6.755.154	Rp7.272.514	Rp7.809.036	Rp8.364.720	Rp8.657.130	Rp8.959.287	Rp9.271.191	Rp9.592.842
16	Rp3.664.481	Rp3.959.285	Rp4.270.467	Rp4.598.027	Rp4.891.092	Rp5.198.113	Rp5.519.090	Rp5.854.022	Rp6.333.059	Rp6.831.258	Rp7.348.619	Rp7.885.141	Rp8.167.804	Rp8.460.214	Rp8.762.371	Rp9.074.275
17	Rp3.375.331	Rp3.653.757	Rp3.948.561	Rp4.259.743	Rp4.538.853	Rp4.831.918	Rp5.138.939	Rp5.459.916	Rp5.919.792	Rp6.398.829	Rp6.897.028	Rp7.414.389	Rp7.687.305	Rp7.969.968	Rp8.262.378	Rp8.564.535
18	Rp3.092.003	Rp3.354.051	Rp3.632.477	Rp3.927.281	Rp4.192.435	Rp4.471.545	Rp4.764.611	Rp5.071.632	Rp5.512.346	Rp5.972.222	Rp6.451.260	Rp6.949.459	Rp7.212.628	Rp7.485.544	Rp7.768.207	Rp8.060.617
19	Rp2.832.520	Rp3.078.190	Rp3.340.238	Rp3.618.664	Rp3.869.863	Rp4.135.017	Rp4.414.127	Rp4.707.193	Rp5.128.746	Rp5.569.460	Rp6.029.336	Rp6.508.374	Rp6.761.796	Rp7.024.965	Rp7.297.881	Rp7.580.544
20	Rp2.587.754	Rp2.817.046	Rp3.062.716	Rp3.324.764	Rp3.562.007	Rp3.813.206	Rp4.078.361	Rp4.357.471	Rp4.759.862	Rp5.181.415	Rp5.622.130	Rp6.082.006	Rp6.325.681	Rp6.579.103	Rp6.842.272	Rp7.115.188
21	Rp2.345.865	Rp2.558.779	Rp2.788.071	Rp3.033.741	Rp3.257.029	Rp3.494.272	Rp3.745.471	Rp4.010.626	Rp4.393.856	Rp4.796.247	Rp5.217.800	Rp5.658.516	Rp5.892.443	Rp6.136.118	Rp6.389.540	Rp6.652.709
22	Rp2.161.394	Rp2.357.930	Rp2.570.844	Rp2.800.136	Rp3.009.468	Rp3.232.756	Rp3.470.000	Rp3.721.199	Rp4.085.267	Rp4.468.497	Rp4.870.889	Rp5.292.442	Rp5.516.623	Rp5.750.551	Rp5.994.226	Rp6.247.648
23	Rp1.973.039	Rp2.153.197	Rp2.349.733	Rp2.562.647	Rp2.758.024	Rp2.967.356	Rp3.190.644	Rp3.427.888	Rp3.772.795	Rp4.136.863	Rp4.520.093	Rp4.922.485	Rp5.136.919	Rp5.361.100	Rp5.595.028	Rp5.838.703
24	Rp1.824.763	Rp1.988.543	Rp2.168.701	Rp2.365.237	Rp2.546.658	Rp2.742.035	Rp2.951.368	Rp3.174.656	Rp3.500.401	Rp3.845.308	Rp4.209.377	Rp4.592.607	Rp4.797.294	Rp5.011.728	Rp5.235.909	Rp5.469.837
25	Rp1.700.229	Rp1.847.631	Rp2.011.411	Rp2.191.569	Rp2.359.035	Rp2.540.456	Rp2.735.833	Rp2.945.166	Rp3.251.750	Rp3.577.495	Rp3.922.402	Rp4.286.471	Rp4.481.411	Rp4.686.098	Rp4.900.532	Rp5.124.713
26	Rp1.584.775	Rp1.715.799	Rp1.863.201	Rp2.026.981	Rp2.180.492	Rp2.347.958	Rp2.529.379	Rp2.724.756	Rp3.012.179	Rp3.318.763	Rp3.644.508	Rp3.989.415	Rp4.174.608	Rp4.369.548	Rp4.574.235	Rp4.788.669
27	Rp1.494.326	Rp1.608.972	Rp1.739.996	Rp1.887.398	Rp2.026.953	Rp2.180.463	Rp2.347.929	Rp2.529.351	Rp2.797.612	Rp3.085.034	Rp3.391.618	Rp3.717.364	Rp3.892.810	Rp4.078.003	Rp4.272.942	Rp4.477.630
28	Rp1.427.618	Rp1.525.886	Rp1.640.532	Rp1.771.556	Rp1.897.156	Rp2.036.711	Rp2.190.221	Rp2.357.687	Rp2.606.787	Rp2.875.048	Rp3.162.470	Rp3.469.054	Rp3.634.753	Rp3.810.199	Rp3.995.993	Rp4.190.332
29	Rp1.369.991	Rp1.451.881	Rp1.550.149	Rp1.664.795	Rp1.776.439	Rp1.902.039	Rp2.041.594	Rp2.195.104	Rp2.425.042	Rp2.674.142	Rp2.942.403	Rp3.229.825	Rp3.385.777	Rp3.551.476	Rp3.726.922	Rp3.912.115
30	Rp1.339.392	Rp1.404.904	Rp1.486.794	Rp1.585.062	Rp1.682.750	Rp1.794.394	Rp1.919.994	Rp2.059.549	Rp2.270.325	Rp2.500.263	Rp2.749.363	Rp3.017.624	Rp3.163.829	Rp3.319.781	Rp3.485.480	Rp3.660.926
31	Rp1.331.185	Rp1.380.319	Rp1.445.831	Rp1.527.721	Rp1.611.454	Rp1.709.143	Rp1.820.787	Rp1.946.386	Rp2.138.001	Rp2.348.778	Rp2.578.716	Rp2.827.815	Rp2.964.273	Rp3.110.478	Rp3.266.430	Rp3.432.129
32	Rp1.334.757	Rp1.367.513	Rp1.416.647	Rp1.482.159	Rp1.551.937	Rp1.635.670	Rp1.733.358	Rp1.845.002	Rp2.017.456	Rp2.209.071	Rp2.419.847	Rp2.649.785	Rp2.776.496	Rp2.912.954	Rp3.059.159	Rp3.215.111
33	Rp1.364.008	Rp1.380.386	Rp1.413.142	Rp1.462.276	Rp1.518.098	Rp1.587.875	Rp1.671.608	Rp1.769.297	Rp1.922.588	Rp2.095.042	Rp2.286.657	Rp2.497.434	Rp2.614.398	Rp2.741.109	Rp2.877.567	Rp3.023.772
34		Rp1.404.935	Rp1.421.313	Rp1.454.069	Rp1.495.936	Rp1.551.758	Rp1.621.535	Rp1.705.268	Rp1.839.399	Rp1.992.691	Rp2.165.144	Rp2.356.759	Rp2.463.976	Rp2.580.940	Rp2.707.651	Rp2.844.109
35			Rp1.441.263	Rp1.457.641	Rp1.485.552	Rp1.527.419	Rp1.583.241	Rp1.653.018	Rp1.767.987	Rp1.902.118	Rp2.055.410	Rp2.227.863	Rp2.325.333	Rp2.432.550	Rp2.549.514	Rp2.676.225
36				Rp1.486.892	Rp1.500.847	Rp1.528.758	Rp1.570.625	Rp1.626.447	Rp1.722.254	Rp1.837.223	Rp1.971.354	Rp2.124.646	Rp2.212.369	Rp2.309.839	Rp2.417.056	Rp2.534.020
37					Rp1.527.819	Rp1.541.775	Rp1.569.686	Rp1.611.552	Rp1.688.198	Rp1.784.006	Rp1.898.975	Rp2.033.105	Rp2.111.081	Rp2.198.804	Rp2.296.274	Rp2.403.491
38						Rp1.559.302	Rp1.573.258	Rp1.601.169	Rp1.658.653	Rp1.735.299	Rp1.831.107	Rp1.946.076	Rp2.014.305	Rp2.092.281	Rp2.180.004	Rp2.277.474
39							Rp1.601.169	Rp1.615.124	Rp1.653.447	Rp1.710.932	Rp1.787.578	Rp1.883.385	Rp1.941.867	Rp2.010.096	Rp2.088.072	Rp2.175.795
40								Rp1.643.436	Rp1.662.597	Rp1.700.920	Rp1.758.405	Rp1.835.051	Rp1.883.786	Rp1.942.268	Rp2.010.497	Rp2.088.473
41									Rp1.674.919	Rp1.694.080	Rp1.732.403	Rp1.789.888	Rp1.828.876	Rp1.877.611	Rp1.936.093	Rp2.004.322
42										Rp1.727.197	Rp1.746.359	Rp1.784.682	Rp1.813.923	Rp1.852.911	Rp1.901.646	Rp1.960.128
43											Rp1.767.830	Rp1.786.992	Rp1.806.486	Rp1.835.727	Rp1.874.715	Rp1.923.450
44												Rp1.806.153	Rp1.815.900	Rp1.835.394	Rp1.864.635	Rp1.903.623
45													Rp1.858.432	Rp1.868.179	Rp1.887.673	Rp1.916.914
46														Rp1.880.236	Rp1.889.983	Rp1.909.477
47															Rp1.909.144	Rp1.918.891
48																Rp1.938.385
fn	Rp1.331.185	Rp1.367.513	Rp1.413.142	Rp1.454.069	Rp1.485.552	Rp1.527.419	Rp1.569.686	Rp1.601.169	Rp1.653.447	Rp1.694.080	Rp1.732.403	Rp1.784.682	Rp1.806.486	Rp1.835.394	Rp1.864.635	Rp1.903.623

- Agen Joko Sendang Jenis AirKu botol

Matriks Biaya Optimal																
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Rp73.750	Rp74.838	Rp77.013	Rp80.275	Rp89.725	Rp101.538	Rp115.713	Rp132.250	Rp142.450	Rp153.925	Rp166.675	Rp180.700	Rp190.600	Rp201.325	Rp212.875	Rp225.250
2		Rp147.500	Rp148.588	Rp150.763	Rp157.850	Rp167.300	Rp179.113	Rp193.288	Rp202.213	Rp212.413	Rp223.888	Rp236.638	Rp245.713	Rp255.613	Rp266.338	Rp277.888
3			Rp148.588	Rp149.675	Rp154.400	Rp161.488	Rp170.938	Rp182.750	Rp190.400	Rp199.325	Rp209.525	Rp221.000	Rp229.250	Rp238.325	Rp248.225	Rp258.950
4				Rp150.763	Rp153.125	Rp157.850	Rp164.938	Rp174.388	Rp180.763	Rp188.413	Rp197.338	Rp207.538	Rp214.963	Rp223.213	Rp232.288	Rp242.188
5					Rp154.025	Rp156.388	Rp161.113	Rp168.200	Rp173.300	Rp179.675	Rp187.325	Rp196.250	Rp202.850	Rp210.275	Rp218.525	Rp227.600
6						Rp163.475	Rp165.838	Rp170.563	Rp174.388	Rp179.488	Rp185.863	Rp193.513	Rp199.288	Rp205.888	Rp213.313	Rp221.563
7							Rp175.288	Rp177.650	Rp180.200	Rp184.025	Rp189.125	Rp195.500	Rp200.450	Rp206.225	Rp212.825	Rp220.250
8								Rp189.463	Rp190.738	Rp193.288	Rp197.113	Rp202.213	Rp206.338	Rp211.288	Rp217.063	Rp223.663
9									Rp206.000	Rp207.275	Rp209.825	Rp213.650	Rp216.950	Rp221.075	Rp226.025	Rp231.800
10										Rp216.200	Rp217.475	Rp220.025	Rp222.500	Rp225.800	Rp229.925	Rp234.875
11											Rp227.675	Rp228.950	Rp230.600	Rp233.075	Rp236.375	Rp240.500
12												Rp240.425	Rp241.250	Rp242.900	Rp245.375	Rp248.675
13													Rp254.450	Rp255.275	Rp256.925	Rp259.400
14														Rp264.350	Rp265.175	Rp266.825
15															Rp275.075	Rp275.900
16																Rp286.575
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fn	Rp73.750	Rp74.838	Rp77.013	Rp80.275	Rp89.725	Rp101.538	Rp115.713	Rp132.250	Rp142.450	Rp153.925	Rp166.675	Rp180.700	Rp190.600	Rp201.325	Rp212.825	Rp220.250

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp242.050	Rp259.900	Rp278.800	Rp298.750	Rp359.500	Rp423.288	Rp490.113	Rp559.975	Rp586.525	Rp614.181	Rp642.944	Rp672.813	Rp716.388	Rp761.519	Rp808.206	Rp856.450
2	Rp293.638	Rp310.438	Rp328.288	Rp347.188	Rp404.900	Rp465.650	Rp529.438	Rp596.263	Rp621.706	Rp648.256	Rp675.913	Rp704.675	Rp746.694	Rp790.269	Rp835.400	Rp882.088
3	Rp273.650	Rp289.400	Rp306.200	Rp324.050	Rp378.725	Rp436.438	Rp497.188	Rp560.975	Rp585.313	Rp610.756	Rp637.306	Rp664.963	Rp705.425	Rp747.444	Rp791.019	Rp836.150
4	Rp255.838	Rp270.538	Rp286.288	Rp303.088	Rp354.725	Rp409.400	Rp467.113	Rp527.863	Rp551.094	Rp575.431	Rp600.875	Rp627.425	Rp666.331	Rp706.794	Rp748.813	Rp792.388
5	Rp240.200	Rp253.850	Rp268.550	Rp284.300	Rp332.900	Rp384.538	Rp439.213	Rp496.925	Rp519.050	Rp542.281	Rp566.619	Rp592.063	Rp629.413	Rp668.319	Rp708.781	Rp750.800
6	Rp233.113	Rp245.713	Rp259.363	Rp274.063	Rp319.625	Rp368.225	Rp419.863	Rp474.538	Rp495.556	Rp517.681	Rp540.913	Rp565.250	Rp601.044	Rp638.394	Rp677.300	Rp717.763
7	Rp230.750	Rp242.300	Rp254.900	Rp268.550	Rp311.075	Rp356.638	Rp405.238	Rp456.875	Rp476.788	Rp497.806	Rp519.931	Rp543.163	Rp577.400	Rp613.194	Rp650.544	Rp689.450
8	Rp233.113	Rp243.613	Rp255.163	Rp267.763	Rp307.250	Rp349.775	Rp395.338	Rp443.938	Rp462.744	Rp482.656	Rp503.675	Rp525.800	Rp558.481	Rp592.719	Rp628.513	Rp665.863
9	Rp240.200	Rp249.650	Rp260.150	Rp271.700	Rp308.150	Rp347.638	Rp390.163	Rp435.725	Rp453.425	Rp472.231	Rp492.144	Rp513.163	Rp544.288	Rp576.969	Rp611.206	Rp647.000
10	Rp242.225	Rp250.625	Rp260.075	Rp270.575	Rp303.988	Rp340.438	Rp379.925	Rp422.450	Rp439.044	Rp456.744	Rp475.550	Rp495.463	Rp525.031	Rp556.156	Rp588.838	Rp623.075
11	Rp246.800	Rp254.150	Rp262.550	Rp272.000	Rp302.375	Rp335.788	Rp372.238	Rp411.725	Rp427.213	Rp443.806	Rp461.506	Rp480.313	Rp508.325	Rp537.894	Rp569.019	Rp601.700
12	Rp253.925	Rp260.225	Rp267.575	Rp275.975	Rp303.313	Rp333.688	Rp367.100	Rp403.550	Rp417.931	Rp433.419	Rp450.013	Rp467.713	Rp494.169	Rp522.181	Rp551.750	Rp582.875
13	Rp263.600	Rp268.850	Rp275.150	Rp282.500	Rp306.800	Rp334.138	Rp364.513	Rp397.925	Rp411.200	Rp425.581	Rp441.069	Rp457.663	Rp482.563	Rp509.019	Rp537.031	Rp566.600
14	Rp269.975	Rp274.175	Rp279.425	Rp285.725	Rp306.988	Rp331.288	Rp358.625	Rp389.000	Rp401.169	Rp414.444	Rp428.825	Rp444.313	Rp467.656	Rp492.556	Rp519.013	Rp547.025
15	Rp278.000	Rp281.150	Rp285.350	Rp290.600	Rp308.825	Rp330.088	Rp354.388	Rp381.725	Rp392.788	Rp404.956	Rp418.231	Rp432.613	Rp454.400	Rp477.744	Rp502.644	Rp529.100
16	Rp287.625	Rp289.725	Rp292.875	Rp297.075	Rp312.263	Rp330.488	Rp351.750	Rp376.050	Rp386.006	Rp397.069	Rp409.238	Rp422.513	Rp442.744	Rp464.531	Rp487.875	Rp512.775
17	Rp294.000	Rp295.050	Rp297.150	Rp300.300	Rp312.450	Rp327.638	Rp345.863	Rp367.125	Rp375.975	Rp385.931	Rp396.994	Rp409.163	Rp427.838	Rp448.069	Rp469.856	Rp493.200
18		Rp304.500	Rp305.550	Rp307.650	Rp316.763	Rp328.913	Rp344.100	Rp362.325	Rp370.069	Rp378.919	Rp388.875	Rp399.938	Rp417.056	Rp435.731	Rp455.963	Rp477.750
19			Rp316.050	Rp317.100	Rp323.175	Rp332.288	Rp344.438	Rp359.625	Rp366.263	Rp374.006	Rp382.856	Rp392.813	Rp408.375	Rp425.494	Rp444.169	Rp464.400
20				Rp328.650	Rp331.688	Rp337.763	Rp346.875	Rp359.025	Rp364.556	Rp371.194	Rp378.938	Rp387.788	Rp401.794	Rp417.356	Rp434.475	Rp453.150
21					Rp341.513	Rp344.550	Rp350.625	Rp359.738	Rp364.163	Rp369.694	Rp376.331	Rp384.075	Rp396.525	Rp410.531	Rp426.094	Rp443.213
22						Rp376.125	Rp379.163	Rp385.238	Rp388.556	Rp392.981	Rp398.513	Rp405.150	Rp416.044	Rp428.494	Rp442.500	Rp458.063
23							Rp401.388	Rp404.425	Rp406.638	Rp409.956	Rp414.381	Rp419.913	Rp429.250	Rp440.144	Rp452.594	Rp466.600
24								Rp417.850	Rp418.956	Rp421.169	Rp424.488	Rp428.913	Rp436.694	Rp446.031	Rp456.925	Rp469.375
25									Rp432.775	Rp433.881	Rp436.094	Rp439.413	Rp445.638	Rp453.419	Rp462.756	Rp473.650
26										Rp437.913	Rp439.019	Rp441.231	Rp445.900	Rp452.125	Rp459.906	Rp469.244
27											Rp443.444	Rp444.550	Rp447.663	Rp452.331	Rp458.556	Rp466.338
28												Rp450.081	Rp451.638	Rp454.750	Rp459.419	Rp465.644
29													Rp457.825	Rp459.381	Rp462.494	Rp467.163
30														Rp470.275	Rp471.831	Rp474.944
31															Rp484.281	Rp485.838
32																Rp499.844
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fn	Rp230.750	Rp242.300	Rp254.900	Rp267.763	Rp302.375	Rp327.638	Rp344.100	Rp359.025	Rp364.163	Rp369.694	Rp376.331	Rp384.075	Rp396.525	Rp410.531	Rp426.094	Rp443.213

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp888.850	Rp922.263	Rp956.688	Rp992.125	Rp1.025.200	Rp1.059.194	Rp1.094.106	Rp1.129.938	Rp1.174.188	Rp1.219.544	Rp1.266.006	Rp1.313.575	Rp1.418.350	Rp1.525.506	Rp1.635.044	Rp1.746.963
2	Rp913.475	Rp945.875	Rp979.288	Rp1.013.713	Rp1.045.869	Rp1.078.944	Rp1.112.938	Rp1.147.850	Rp1.190.994	Rp1.235.244	Rp1.280.600	Rp1.327.063	Rp1.429.456	Rp1.534.231	Rp1.641.388	Rp1.750.925
3	Rp866.525	Rp897.913	Rp930.313	Rp963.725	Rp994.963	Rp1.027.119	Rp1.060.194	Rp1.094.188	Rp1.136.225	Rp1.179.369	Rp1.223.619	Rp1.268.975	Rp1.368.988	Rp1.471.381	Rp1.576.156	Rp1.683.313
4	Rp821.750	Rp852.125	Rp883.513	Rp915.913	Rp946.231	Rp977.469	Rp1.009.625	Rp1.042.700	Rp1.083.631	Rp1.125.669	Rp1.168.813	Rp1.213.063	Rp1.310.694	Rp1.410.706	Rp1.513.100	Rp1.617.875
5	Rp779.150	Rp808.513	Rp838.888	Rp870.275	Rp899.675	Rp929.994	Rp961.231	Rp993.388	Rp1.033.213	Rp1.074.144	Rp1.116.181	Rp1.159.325	Rp1.254.575	Rp1.352.206	Rp1.452.219	Rp1.554.613
6	Rp745.100	Rp773.450	Rp802.813	Rp833.188	Rp861.669	Rp891.069	Rp921.388	Rp952.625	Rp991.344	Rp1.031.169	Rp1.072.100	Rp1.114.138	Rp1.207.006	Rp1.302.256	Rp1.399.888	Rp1.499.900
7	Rp715.775	Rp743.113	Rp771.463	Rp800.825	Rp828.388	Rp856.869	Rp886.269	Rp916.588	Rp954.200	Rp992.919	Rp1.032.744	Rp1.073.675	Rp1.164.163	Rp1.257.031	Rp1.352.281	Rp1.449.913
8	Rp691.175	Rp717.500	Rp744.838	Rp773.188	Rp799.831	Rp827.394	Rp855.875	Rp885.275	Rp921.781	Rp959.394	Rp998.113	Rp1.037.938	Rp1.126.044	Rp1.216.531	Rp1.309.400	Rp1.404.650
9	Rp671.300	Rp696.613	Rp722.938	Rp750.275	Rp776.000	Rp802.644	Rp830.206	Rp858.688	Rp894.088	Rp930.594	Rp968.206	Rp1.006.925	Rp1.092.650	Rp1.180.756	Rp1.271.244	Rp1.364.113
10	Rp646.363	Rp670.663	Rp695.975	Rp722.300	Rp747.106	Rp772.831	Rp799.475	Rp827.038	Rp861.331	Rp896.731	Rp933.238	Rp970.850	Rp1.054.194	Rp1.139.919	Rp1.228.025	Rp1.318.513
11	Rp623.975	Rp647.263	Rp671.563	Rp696.875	Rp720.763	Rp745.569	Rp771.294	Rp797.938	Rp831.125	Rp865.419	Rp900.819	Rp937.325	Rp1.018.288	Rp1.101.631	Rp1.187.356	Rp1.275.463
12	Rp604.138	Rp626.413	Rp649.700	Rp674.000	Rp696.969	Rp720.856	Rp745.663	Rp771.388	Rp803.469	Rp836.656	Rp870.950	Rp906.350	Rp984.931	Rp1.065.894	Rp1.149.238	Rp1.234.963
13	Rp586.850	Rp608.113	Rp630.388	Rp653.675	Rp675.725	Rp698.694	Rp722.581	Rp747.388	Rp778.363	Rp810.444	Rp843.631	Rp877.925	Rp954.125	Rp1.032.706	Rp1.113.669	Rp1.197.013
14	Rp566.263	Rp586.513	Rp607.775	Rp630.050	Rp651.181	Rp673.231	Rp696.200	Rp720.088	Rp749.956	Rp780.931	Rp813.013	Rp846.200	Rp920.019	Rp996.219	Rp1.074.800	Rp1.155.763
15	Rp547.325	Rp566.563	Rp586.813	Rp608.075	Rp628.288	Rp649.419	Rp671.469	Rp694.438	Rp723.200	Rp753.069	Rp784.044	Rp816.125	Rp887.563	Rp961.381	Rp1.037.581	Rp1.116.163
16	Rp529.988	Rp548.213	Rp567.450	Rp587.700	Rp606.994	Rp627.206	Rp648.338	Rp670.388	Rp698.044	Rp726.806	Rp756.675	Rp787.650	Rp856.706	Rp928.144	Rp1.001.963	Rp1.078.163
17	Rp509.400	Rp526.613	Rp544.838	Rp564.075	Rp582.450	Rp601.744	Rp621.956	Rp643.088	Rp669.638	Rp697.294	Rp726.056	Rp755.925	Rp822.600	Rp891.656	Rp963.094	Rp1.036.913
18	Rp492.938	Rp509.138	Rp526.350	Rp544.575	Rp562.031	Rp580.406	Rp599.700	Rp619.913	Rp645.356	Rp671.906	Rp699.563	Rp728.325	Rp792.619	Rp859.294	Rp928.205	Rp999.788
19	Rp478.575	Rp493.763	Rp509.963	Rp527.175	Rp543.713	Rp561.169	Rp579.544	Rp598.838	Rp623.175	Rp648.619	Rp675.169	Rp702.825	Rp764.738	Rp829.031	Rp895.706	Rp964.763
20	Rp466.313	Rp480.488	Rp495.675	Rp511.875	Rp527.494	Rp544.031	Rp561.488	Rp579.863	Rp603.094	Rp627.431	Rp652.875	Rp679.425	Rp738.956	Rp800.869	Rp865.163	Rp931.838
21	Rp455.363	Rp468.525	Rp482.700	Rp497.888	Rp512.588	Rp528.206	Rp544.744	Rp562.200	Rp584.324	Rp607.556	Rp631.894	Rp657.325	Rp714.488	Rp774.019	Rp835.931	Rp900.225
22	Rp469.200	Rp481.350	Rp494.513	Rp508.688	Rp522.469	Rp537.169	Rp552.788	Rp569.325	Rp590.344	Rp612.469	Rp635.700	Rp660.038	Rp714.806	Rp771.956	Rp831.488	Rp893.400
23	Rp476.725	Rp487.863	Rp500.013	Rp513.175	Rp526.038	Rp539.819	Rp554.519	Rp570.138	Rp590.050	Rp611.069	Rp633.194	Rp656.425	Rp708.813	Rp763.581	Rp820.731	Rp880.263
24	Rp478.488	Rp488.613	Rp499.750	Rp511.900	Rp523.844	Rp536.706	Rp550.488	Rp565.188	Rp583.994	Rp603.906	Rp624.925	Rp647.050	Rp697.056	Rp749.444	Rp804.213	Rp861.363
25	Rp481.750	Rp490.863	Rp500.988	Rp512.125	Rp523.150	Rp535.094	Rp547.956	Rp561.738	Rp579.438	Rp598.244	Rp618.156	Rp639.175	Rp686.800	Rp736.806	Rp789.194	Rp843.963
26	Rp476.331	Rp484.431	Rp493.544	Rp503.669	Rp513.775	Rp524.800	Rp536.744	Rp549.606	Rp566.200	Rp583.900	Rp602.706	Rp622.619	Rp667.863	Rp715.488	Rp765.494	Rp817.881
27	Rp472.413	Rp479.500	Rp487.600	Rp496.713	Rp505.900	Rp516.006	Rp527.031	Rp538.975	Rp554.463	Rp571.056	Rp588.756	Rp607.563	Rp650.425	Rp695.669	Rp743.294	Rp793.300
28	Rp470.706	Rp476.781	Rp483.869	Rp491.969	Rp500.238	Rp509.425	Rp519.531	Rp530.556	Rp544.938	Rp560.425	Rp577.019	Rp594.719	Rp635.200	Rp678.063	Rp723.306	Rp770.931
29	Rp471.213	Rp476.275	Rp482.350	Rp489.438	Rp496.788	Rp505.056	Rp514.244	Rp524.350	Rp537.625	Rp552.006	Rp567.494	Rp584.088	Rp622.188	Rp662.669	Rp705.531	Rp750.775
30	Rp477.981	Rp482.031	Rp487.094	Rp493.169	Rp499.600	Rp506.950	Rp515.219	Rp524.406	Rp536.575	Rp549.850	Rp564.231	Rp579.719	Rp615.438	Rp653.538	Rp694.019	Rp736.881
31	Rp487.863	Rp490.900	Rp494.950	Rp500.013	Rp505.525	Rp511.956	Rp519.306	Rp527.575	Rp538.638	Rp550.806	Rp564.081	Rp578.463	Rp611.800	Rp647.519	Rp685.619	Rp726.100
32	Rp500.856	Rp502.881	Rp505.919	Rp509.969	Rp514.563	Rp520.075	Rp526.506	Rp533.856	Rp543.813	Rp554.875	Rp567.044	Rp580.319	Rp611.275	Rp644.613	Rp680.331	Rp718.431
33	Rp516.963	Rp517.975	Rp520.000	Rp523.038	Rp526.713	Rp531.306	Rp536.819	Rp543.250	Rp552.100	Rp562.056	Rp573.119	Rp585.288	Rp613.863	Rp644.819	Rp678.156	Rp713.875
34		Rp529.113	Rp530.125	Rp532.150	Rp534.906	Rp538.581	Rp543.175	Rp548.688	Rp556.431	Rp565.281	Rp575.238	Rp586.300	Rp612.494	Rp641.069	Rp672.025	Rp705.363
35			Rp542.275	Rp543.288	Rp545.125	Rp547.881	Rp551.556	Rp556.150	Rp562.788	Rp570.531	Rp579.381	Rp589.338	Rp613.150	Rp639.344	Rp667.919	Rp698.875
36				Rp556.100	Rp557.019	Rp558.856	Rp561.613	Rp565.288	Rp570.819	Rp577.456	Rp585.200	Rp594.050	Rp615.481	Rp639.294	Rp665.488	Rp694.063
37					Rp563.188	Rp564.106	Rp565.944	Rp568.700	Rp573.125	Rp578.656	Rp585.294	Rp593.038	Rp612.088	Rp633.519	Rp657.331	Rp683.525
38						Rp570.538	Rp571.456	Rp573.294	Rp576.613	Rp581.038	Rp586.569	Rp593.206	Rp609.875	Rp628.925	Rp650.356	Rp674.169
39							Rp578.806	Rp579.725	Rp581.938	Rp585.256	Rp589.681	Rp595.213	Rp609.500	Rp626.169	Rp645.219	Rp666.650
40								Rp587.994	Rp589.100	Rp591.313	Rp594.631	Rp599.056	Rp610.963	Rp625.250	Rp641.919	Rp660.969
41									Rp598.100	Rp599.206	Rp601.419	Rp604.738	Rp614.263	Rp626.169	Rp640.456	Rp657.125
42										Rp610.325	Rp611.431	Rp613.644	Rp620.788	Rp630.313	Rp642.219	Rp656.506
43											Rp623.600	Rp624.706	Rp629.469	Rp636.613	Rp646.138	Rp658.044
44												Rp637.831	Rp640.213	Rp644.975	Rp652.119	Rp661.644
45													Rp652.213	Rp654.594	Rp659.356	Rp666.500
46														Rp683.250	Rp685.631	Rp690.394
47															Rp699.000	Rp701.381
48																Rp714.206
fn	Rp455.363	Rp468.525	Rp482.350	Rp489.438	Rp496.788	Rp505.056	Rp514.244	Rp524.350	Rp536.575	Rp549.850	Rp564.081	Rp578.463	Rp609.500	Rp625.250	Rp640.456	Rp656.506

- Agen Joko Sendang Jenis AirKu galon

Matriks Biaya Optimal																
O	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Rp73.750	Rp73.819	Rp73.956	Rp74.163	Rp74.388	Rp74.669	Rp75.006	Rp75.400	Rp75.850	Rp76.356	Rp76.919	Rp77.538	Rp78.438	Rp79.413	Rp80.463	Rp81.588
2		Rp147.500	Rp147.569	Rp147.706	Rp147.875	Rp148.100	Rp148.381	Rp148.719	Rp149.113	Rp149.563	Rp150.069	Rp150.631	Rp151.456	Rp152.356	Rp153.331	Rp154.381
3			Rp147.569	Rp147.638	Rp147.750	Rp147.919	Rp148.144	Rp148.425	Rp148.763	Rp149.156	Rp149.606	Rp150.113	Rp150.863	Rp151.688	Rp152.588	Rp153.563
4				Rp147.706	Rp147.763	Rp147.875	Rp148.044	Rp148.269	Rp148.550	Rp148.888	Rp149.281	Rp149.731	Rp150.406	Rp151.156	Rp151.981	Rp152.881
5					Rp147.913	Rp147.969	Rp148.081	Rp148.250	Rp148.475	Rp148.756	Rp149.094	Rp149.488	Rp150.088	Rp150.763	Rp151.513	Rp152.338
6						Rp148.138	Rp148.194	Rp148.306	Rp148.475	Rp148.700	Rp148.981	Rp149.319	Rp149.844	Rp150.444	Rp151.119	Rp151.869
7							Rp148.419	Rp148.475	Rp148.588	Rp148.756	Rp148.981	Rp149.263	Rp149.713	Rp150.238	Rp150.838	Rp151.513
8								Rp148.756	Rp148.813	Rp148.925	Rp149.094	Rp149.319	Rp149.694	Rp150.144	Rp150.669	Rp151.269
9									Rp149.150	Rp149.206	Rp149.319	Rp149.488	Rp149.788	Rp150.163	Rp150.613	Rp151.138
10										Rp149.600	Rp149.656	Rp149.769	Rp149.994	Rp150.294	Rp150.669	Rp151.119
11											Rp150.106	Rp150.163	Rp150.313	Rp150.538	Rp150.838	Rp151.213
12												Rp150.669	Rp150.744	Rp150.894	Rp151.119	Rp151.419
13													Rp151.288	Rp151.363	Rp151.513	Rp151.738
14														Rp152.188	Rp152.263	Rp152.413
15															Rp153.163	Rp153.238
16																Rp154.213
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fn	Rp73.750	Rp73.819	Rp73.956	Rp74.163	Rp74.388	Rp74.669	Rp75.006	Rp75.400	Rp75.850	Rp76.356	Rp76.919	Rp77.538	Rp78.438	Rp79.413	Rp80.463	Rp81.588

Matriks Biaya Optimal																
O	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	Rp82.488	Rp83.444	Rp84.456	Rp85.525	Rp87.025	Rp88.600	Rp90.250	Rp91.975	Rp93.475	Rp95.038	Rp96.663	Rp98.350	Rp101.850	Rp105.475	Rp109.225	Rp113.100
2	Rp155.225	Rp156.125	Rp157.081	Rp158.094	Rp159.519	Rp161.019	Rp162.594	Rp164.244	Rp165.681	Rp167.181	Rp168.744	Rp170.369	Rp173.744	Rp177.244	Rp180.869	Rp184.619
3	Rp154.350	Rp155.194	Rp156.094	Rp157.050	Rp158.400	Rp159.825	Rp161.325	Rp162.900	Rp164.275	Rp165.713	Rp167.213	Rp168.775	Rp172.025	Rp175.400	Rp178.900	Rp182.525
4	Rp153.613	Rp154.400	Rp155.244	Rp156.144	Rp157.419	Rp158.769	Rp160.194	Rp161.694	Rp163.006	Rp164.381	Rp165.819	Rp167.319	Rp170.444	Rp173.694	Rp177.069	Rp180.569
5	Rp153.013	Rp153.744	Rp154.531	Rp155.375	Rp156.575	Rp157.850	Rp159.200	Rp160.625	Rp161.875	Rp163.188	Rp164.563	Rp166.000	Rp169.000	Rp172.125	Rp175.375	Rp178.750
6	Rp152.488	Rp153.163	Rp153.894	Rp154.681	Rp155.806	Rp157.006	Rp158.281	Rp159.631	Rp160.819	Rp162.069	Rp163.381	Rp164.756	Rp167.631	Rp170.631	Rp173.756	Rp177.006
7	Rp152.075	Rp152.694	Rp153.369	Rp154.100	Rp155.150	Rp156.275	Rp157.475	Rp158.750	Rp159.875	Rp161.063	Rp162.313	Rp163.625	Rp166.375	Rp169.250	Rp172.250	Rp175.375
8	Rp151.775	Rp152.338	Rp152.956	Rp153.631	Rp154.606	Rp155.656	Rp156.781	Rp157.981	Rp159.044	Rp160.169	Rp161.356	Rp162.606	Rp165.231	Rp167.981	Rp170.856	Rp173.856
9	Rp151.588	Rp152.094	Rp152.656	Rp153.275	Rp154.175	Rp155.150	Rp156.200	Rp157.325	Rp158.325	Rp159.388	Rp160.513	Rp161.700	Rp164.200	Rp166.825	Rp169.575	Rp172.450
10	Rp151.513	Rp151.963	Rp152.469	Rp153.031	Rp153.856	Rp154.756	Rp155.731	Rp156.781	Rp157.719	Rp158.719	Rp159.781	Rp160.906	Rp163.281	Rp165.781	Rp168.406	Rp171.156
11	Rp151.550	Rp151.944	Rp152.394	Rp152.900	Rp153.650	Rp154.475	Rp155.375	Rp156.350	Rp157.225	Rp158.163	Rp159.163	Rp160.225	Rp162.475	Rp164.850	Rp167.350	Rp169.975
12	Rp151.700	Rp152.038	Rp152.431	Rp152.881	Rp153.556	Rp154.306	Rp155.131	Rp156.031	Rp156.844	Rp157.719	Rp158.656	Rp159.656	Rp161.781	Rp164.031	Rp166.406	Rp168.906
13	Rp151.963	Rp152.244	Rp152.581	Rp152.975	Rp153.575	Rp154.250	Rp155.000	Rp155.825	Rp156.575	Rp157.388	Rp158.263	Rp159.200	Rp161.200	Rp163.325	Rp165.575	Rp167.950
14	Rp152.581	Rp152.806	Rp153.088	Rp153.425	Rp153.950	Rp154.550	Rp155.225	Rp155.975	Rp156.663	Rp157.413	Rp158.225	Rp159.100	Rp160.975	Rp162.975	Rp165.100	Rp167.350
15	Rp153.350	Rp153.519	Rp153.744	Rp154.025	Rp154.475	Rp155.000	Rp155.600	Rp156.275	Rp156.900	Rp157.588	Rp158.338	Rp159.150	Rp160.900	Rp162.775	Rp164.775	Rp166.900
16	Rp154.269	Rp154.381	Rp154.550	Rp154.775	Rp155.150	Rp155.600	Rp156.125	Rp156.725	Rp157.288	Rp157.913	Rp158.600	Rp159.350	Rp160.975	Rp162.725	Rp164.600	Rp166.600
17	Rp155.338	Rp155.394	Rp155.506	Rp155.675	Rp155.975	Rp156.350	Rp156.800	Rp157.325	Rp157.825	Rp158.388	Rp159.013	Rp159.700	Rp161.200	Rp162.825	Rp164.575	Rp166.450
18		Rp156.238	Rp156.294	Rp156.406	Rp156.631	Rp156.931	Rp157.306	Rp157.756	Rp158.194	Rp158.694	Rp159.256	Rp159.881	Rp161.256	Rp162.756	Rp164.381	Rp166.131
19			Rp157.194	Rp157.250	Rp157.400	Rp157.625	Rp157.925	Rp158.300	Rp158.675	Rp159.113	Rp159.613	Rp160.175	Rp161.425	Rp162.800	Rp164.300	Rp165.925
20				Rp158.206	Rp158.281	Rp158.431	Rp158.656	Rp158.956	Rp159.269	Rp159.644	Rp160.081	Rp160.581	Rp161.706	Rp162.956	Rp164.331	Rp165.831
21					Rp159.275	Rp159.350	Rp159.500	Rp159.725	Rp159.975	Rp160.288	Rp160.663	Rp161.100	Rp162.100	Rp163.225	Rp164.475	Rp165.850
22						Rp160.775	Rp160.850	Rp161.000	Rp161.188	Rp161.438	Rp161.750	Rp162.125	Rp163.000	Rp164.000	Rp165.125	Rp166.375
23							Rp162.350	Rp162.425	Rp162.550	Rp162.738	Rp162.988	Rp163.300	Rp164.050	Rp164.925	Rp165.925	Rp167.050
24								Rp164.000	Rp164.063	Rp164.188	Rp164.375	Rp164.625	Rp165.250	Rp166.000	Rp166.875	Rp167.875
25									Rp165.725	Rp165.788	Rp165.913	Rp166.100	Rp166.600	Rp167.225	Rp167.975	Rp168.850
26										Rp167.225	Rp167.288	Rp167.413	Rp167.788	Rp168.288	Rp168.913	Rp169.663
27											Rp168.788	Rp168.850	Rp169.100	Rp169.475	Rp169.975	Rp170.600
28												Rp170.413	Rp170.538	Rp170.788	Rp171.163	Rp171.663
29													Rp172.100	Rp172.225	Rp172.475	Rp172.850
30														Rp175.600	Rp175.725	Rp175.975
31															Rp179.225	Rp179.350
32																Rp182.975
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48																
fn	Rp82.488	Rp83.444	Rp84.456	Rp85.525	Rp87.025	Rp88.600	Rp90.250	Rp91.975	Rp93.475	Rp95.038	Rp96.663	Rp98.350	Rp101.850	Rp105.475	Rp109.225	Rp113.100

Matriks Biaya Optimal																
O	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	Rp116.500	Rp120.006	Rp123.619	Rp127.338	Rp128.913	Rp130.531	Rp132.194	Rp133.900	Rp142.900	Rp152.125	Rp161.575	Rp171.250	Rp175.650	Rp180.150	Rp184.750	Rp189.450
2	Rp187.913	Rp191.313	Rp194.819	Rp198.431	Rp199.963	Rp201.538	Rp203.156	Rp204.819	Rp213.594	Rp222.594	Rp231.819	Rp241.269	Rp245.569	Rp249.969	Rp254.469	Rp259.069
3	Rp185.713	Rp189.006	Rp192.406	Rp195.913	Rp197.400	Rp198.931	Rp200.506	Rp202.125	Rp210.675	Rp219.450	Rp228.450	Rp237.675	Rp241.875	Rp246.175	Rp250.575	Rp255.075
4	Rp183.650	Rp186.838	Rp190.131	Rp193.531	Rp194.975	Rp196.463	Rp197.994	Rp199.569	Rp207.894	Rp216.444	Rp225.219	Rp234.219	Rp238.319	Rp242.519	Rp246.819	Rp251.219
5	Rp181.725	Rp184.806	Rp187.994	Rp191.288	Rp192.688	Rp194.131	Rp195.619	Rp197.150	Rp205.250	Rp213.575	Rp222.125	Rp230.900	Rp234.900	Rp239.000	Rp243.200	Rp247.500
6	Rp179.875	Rp182.850	Rp185.931	Rp189.119	Rp190.475	Rp191.875	Rp193.319	Rp194.806	Rp202.681	Rp210.781	Rp219.106	Rp227.656	Rp231.556	Rp235.556	Rp239.656	Rp243.856
7	Rp178.138	Rp181.006	Rp183.981	Rp187.063	Rp188.375	Rp189.731	Rp191.131	Rp192.575	Rp200.225	Rp208.100	Rp216.200	Rp224.525	Rp228.325	Rp232.225	Rp236.225	Rp240.325
8	Rp176.513	Rp179.275	Rp182.144	Rp185.119	Rp186.388	Rp187.700	Rp189.056	Rp190.456	Rp197.881	Rp205.531	Rp213.406	Rp221.506	Rp225.206	Rp229.006	Rp232.906	Rp236.906
9	Rp175.000	Rp177.656	Rp180.419	Rp183.288	Rp184.513	Rp185.781	Rp187.094	Rp188.450	Rp195.650	Rp203.075	Rp210.725	Rp218.600	Rp222.200	Rp225.900	Rp229.700	Rp233.600
10	Rp173.600	Rp176.150	Rp178.806	Rp181.569	Rp182.750	Rp183.975	Rp185.244	Rp186.556	Rp193.531	Rp200.731	Rp208.156	Rp215.806	Rp219.306	Rp222.906	Rp226.606	Rp230.406
11	Rp172.313	Rp174.756	Rp177.306	Rp179.963	Rp181.100	Rp182.281	Rp183.506	Rp184.775	Rp191.525	Rp198.500	Rp205.700	Rp213.125	Rp216.525	Rp220.025	Rp223.625	Rp227.325
12	Rp171.138	Rp173.475	Rp175.919	Rp178.469	Rp179.563	Rp180.700	Rp181.881	Rp183.106	Rp189.631	Rp196.381	Rp203.356	Rp210.556	Rp213.856	Rp217.256	Rp220.756	Rp224.356
13	Rp170.075	Rp172.306	Rp174.644	Rp177.088	Rp178.138	Rp179.231	Rp180.369	Rp181.550	Rp187.850	Rp194.375	Rp201.125	Rp208.100	Rp211.300	Rp214.600	Rp218.000	Rp221.500
14	Rp169.369	Rp171.494	Rp173.725	Rp176.063	Rp177.069	Rp178.119	Rp179.213	Rp180.350	Rp186.425	Rp192.725	Rp199.250	Rp206.000	Rp209.100	Rp212.300	Rp215.600	Rp219.000
15	Rp168.813	Rp170.831	Rp172.956	Rp175.188	Rp176.150	Rp177.156	Rp178.206	Rp179.300	Rp185.150	Rp191.225	Rp197.525	Rp204.050	Rp207.050	Rp210.150	Rp213.350	Rp216.650
16	Rp168.406	Rp170.319	Rp172.338	Rp174.463	Rp175.381	Rp176.344	Rp177.350	Rp178.400	Rp184.025	Rp189.875	Rp195.950	Rp202.250	Rp205.150	Rp208.150	Rp211.250	Rp214.450
17	Rp168.150	Rp169.956	Rp171.869	Rp173.888	Rp174.763	Rp175.681	Rp176.644	Rp177.650	Rp183.500	Rp188.675	Rp194.525	Rp200.600	Rp203.400	Rp206.300	Rp209.300	Rp212.400
18	Rp167.725	Rp169.425	Rp171.231	Rp173.144	Rp173.975	Rp174.850	Rp175.769	Rp176.731	Rp181.906	Rp187.306	Rp192.931	Rp198.781	Rp201.481	Rp204.281	Rp207.181	Rp210.181
19	Rp167.413	Rp169.006	Rp170.706	Rp172.513	Rp173.300	Rp174.131	Rp175.006	Rp175.925	Rp180.875	Rp186.050	Rp191.450	Rp197.075	Rp199.675	Rp202.375	Rp205.175	Rp208.075
20	Rp167.213	Rp168.700	Rp170.294	Rp171.994	Rp172.738	Rp173.525	Rp174.356	Rp175.231	Rp179.956	Rp184.906	Rp190.081	Rp195.481	Rp197.981	Rp200.581	Rp203.281	Rp206.081
21	Rp167.125	Rp168.506	Rp169.994	Rp171.588	Rp172.288	Rp173.031	Rp173.819	Rp174.650	Rp179.150	Rp183.875	Rp188.825	Rp194.000	Rp196.400	Rp198.900	Rp201.500	Rp204.200
22	Rp167.544	Rp168.819	Rp170.200	Rp171.688	Rp172.344	Rp173.044	Rp173.788	Rp174.575	Rp178.850	Rp183.350	Rp188.075	Rp193.025	Rp195.325	Rp197.725	Rp200.225	Rp202.825
23	Rp168.113	Rp169.281	Rp170.556	Rp171.938	Rp172.550	Rp173.206	Rp173.906	Rp174.650	Rp178.700	Rp182.975	Rp187.475	Rp192.200	Rp194.400	Rp196.700	Rp199.100	Rp201.600
24	Rp168.831	Rp169.894	Rp171.063	Rp172.338	Rp172.906	Rp173.519	Rp174.175	Rp174.875	Rp178.700	Rp182.750	Rp187.025	Rp191.525	Rp193.625	Rp195.825	Rp198.125	Rp200.525
25	Rp169.700	Rp170.656	Rp171.719	Rp172.888	Rp173.413	Rp173.981	Rp174.594	Rp175.250	Rp178.850	Rp182.675	Rp186.725	Rp191.000	Rp193.000	Rp195.100	Rp197.300	Rp199.600
26	Rp170.406	Rp171.256	Rp172.213	Rp173.275	Rp173.756	Rp174.281	Rp174.850	Rp175.463	Rp178.838	Rp182.438	Rp186.263	Rp190.313	Rp192.213	Rp194.213	Rp196.313	Rp198.513
27	Rp171.238	Rp171.981	Rp172.831	Rp173.788	Rp174.225	Rp174.706	Rp175.231	Rp175.800	Rp178.950	Rp182.325	Rp185.925	Rp189.750	Rp191.550	Rp193.450	Rp195.450	Rp197.550
28	Rp172.194	Rp172.831	Rp173.575	Rp174.425	Rp174.819	Rp175.256	Rp175.738	Rp176.263	Rp179.188	Rp182.338	Rp185.713	Rp189.313	Rp191.013	Rp192.813	Rp194.713	Rp196.713
29	Rp173.275	Rp173.806	Rp174.444	Rp175.188	Rp175.538	Rp175.931	Rp176.369	Rp176.850	Rp179.550	Rp182.475	Rp185.625	Rp189.000	Rp190.600	Rp192.300	Rp194.100	Rp196.000
30	Rp176.294	Rp176.719	Rp177.250	Rp177.888	Rp178.194	Rp178.544	Rp178.938	Rp179.375	Rp181.850	Rp184.550	Rp187.475	Rp190.625	Rp192.125	Rp193.725	Rp195.425	Rp197.225
31	Rp179.563	Rp179.881	Rp180.306	Rp180.838	Rp181.100	Rp181.406	Rp181.756	Rp182.150	Rp184.400	Rp186.875	Rp189.575	Rp192.500	Rp193.900	Rp195.400	Rp197.000	Rp198.700
32	Rp183.081	Rp183.294	Rp183.613	Rp184.038	Rp184.256	Rp184.519	Rp184.825	Rp185.175	Rp187.200	Rp189.450	Rp191.925	Rp194.625	Rp195.925	Rp197.325	Rp198.825	Rp200.425
33	Rp186.850	Rp186.956	Rp187.169	Rp187.488	Rp187.663	Rp187.881	Rp188.144	Rp188.450	Rp190.250	Rp192.275	Rp194.525	Rp197.000	Rp198.200	Rp199.500	Rp200.900	Rp202.400
34		Rp190.250	Rp190.356	Rp190.569	Rp190.700	Rp190.875	Rp191.094	Rp191.356	Rp192.931	Rp194.731	Rp196.756	Rp199.006	Rp200.106	Rp201.306	Rp202.606	Rp204.006
35			Rp193.756	Rp193.863	Rp193.950	Rp194.081	Rp194.256	Rp194.475	Rp195.825	Rp197.400	Rp199.200	Rp201.225	Rp202.225	Rp203.325	Rp204.525	Rp205.825
36				Rp197.369	Rp197.413	Rp197.500	Rp197.631	Rp197.806	Rp198.931	Rp200.281	Rp201.856	Rp203.656	Rp204.556	Rp205.556	Rp206.656	Rp207.856
37					Rp201.088	Rp201.131	Rp201.219	Rp201.350	Rp202.250	Rp203.375	Rp204.725	Rp206.300	Rp207.100	Rp208.000	Rp209.000	Rp210.100
38						Rp202.663	Rp202.706	Rp202.794	Rp203.469	Rp204.369	Rp205.494	Rp206.844	Rp207.544	Rp208.344	Rp209.244	Rp210.244
39							Rp204.281	Rp204.325	Rp204.775	Rp205.450	Rp206.350	Rp207.475	Rp208.075	Rp208.775	Rp209.575	Rp210.475
40								Rp205.944	Rp206.169	Rp206.619	Rp207.294	Rp208.194	Rp208.694	Rp209.294	Rp209.994	Rp210.794
41									Rp207.650	Rp207.875	Rp208.325	Rp209.000	Rp209.400	Rp209.900	Rp210.500	Rp211.200
42										Rp216.650	Rp216.875	Rp217.325	Rp217.625	Rp218.025	Rp218.525	Rp219.125
43											Rp225.875	Rp226.100	Rp226.300	Rp226.600	Rp227.000	Rp227.500
44												Rp235.325	Rp235.425	Rp235.625	Rp236.325	Rp236.825
45													Rp245.000	Rp245.100	Rp245.300	Rp245.600
46														Rp249.400	Rp249.500	Rp249.700
47															Rp253.900	Rp254.000
48																Rp258.500
fn	Rp116.500	Rp120.006	Rp123.619	Rp127.338	Rp128.913	Rp130.531	Rp132.194	Rp133.900	Rp142.900	Rp152.125	Rp161.575	Rp171.250	Rp175.650	Rp180.150	Rp184.750	Rp189.450

5. Least Unit Cost (LUC)

- Agen Aneka Usaha Jenis AirKu Cup

Periode (Minggu)	Demand	Cumulatif	Cumulatif	Total Holding	Unit Cost	
1	405	405	Rp0	Rp73.750	Rp182	1214
2	405	809	Rp15.371	Rp89.121	Rp110	
3	405	1214	Rp46.113	Rp119.863	Rp99	
4	405	1618	Rp0	Rp73.750	Rp46	405
5	441	2059	Rp0	Rp73.750	Rp36	441
6	441	2500	Rp0	Rp73.750	Rp30	441
7	441	2940	Rp0	Rp73.750	Rp25	441
8	441	3381	Rp0	Rp73.750	Rp22	441
9	442	3823	Rp0	Rp73.750	Rp19	442
10	442	4265	Rp0	Rp73.750	Rp17	442
11	442	4706	Rp0	Rp73.750	Rp16	442
12	442	5148	Rp0	Rp73.750	Rp14	442
13	700	5848	Rp0	Rp73.750	Rp13	700
14	700	6548	Rp0	Rp73.750	Rp11	700
15	700	7247	Rp0	Rp73.750	Rp10	700
16	700	7947	Rp0	Rp73.750	Rp9	700
17	510	8457	Rp0	Rp73.750	Rp9	510
18	510	8967	Rp0	Rp73.750	Rp8	510
19	510	9477	Rp0	Rp73.750	Rp8	510
20	510	9987	Rp0	Rp73.750	Rp7	510
21	642	10629	Rp0	Rp73.750	Rp7	642
22	642	11272	Rp0	Rp73.750	Rp7	642
23	642	11914	Rp0	Rp73.750	Rp6	642
24	642	12556	Rp0	Rp73.750	Rp6	642
25	456	13012	Rp0	Rp73.750	Rp6	456
26	456	13468	Rp0	Rp73.750	Rp5	456
27	456	13924	Rp0	Rp73.750	Rp5	456
28	456	14380	Rp0	Rp73.750	Rp5	456
29	464	14844	Rp0	Rp73.750	Rp5	464
30	464	15307	Rp0	Rp73.750	Rp5	464
31	464	15771	Rp0	Rp73.750	Rp5	464
32	464	16234	Rp0	Rp73.750	Rp5	464
33	405	16639	Rp0	Rp73.750	Rp4	405
34	405	17045	Rp0	Rp73.750	Rp4	405
35	405	17450	Rp0	Rp73.750	Rp4	405
36	405	17855	Rp0	Rp73.750	Rp4	405
37	233	18088	Rp0	Rp73.750	Rp4	233
38	233	18322	Rp0	Rp73.750	Rp4	233
39	233	18555	Rp0	Rp73.750	Rp4	233
40	233	18788	Rp0	Rp73.750	Rp4	233
41	67	18855	Rp0	Rp73.750	Rp4	67
42	67	18922	Rp0	Rp73.750	Rp4	67
43	67	18988	Rp0	Rp73.750	Rp4	67
44	67	19055	Rp0	Rp73.750	Rp4	67
45	44	19099	Rp0	Rp73.750	Rp4	44
46	44	19143	Rp0	Rp73.750	Rp4	44
47	44	19186	Rp0	Rp73.750	Rp4	44
48	44	19230	Rp0	Rp73.750	Rp4	44

- Agen Aneka Usaha Jenis AirKu Botol

Periode (Minggu)	Demand	Cumulatif	Cumulatif	Total Holding Cost	Unit Cost	
1	16	16	Rp0	Rp73.750	Rp4.538	494
2	16	33	Rp1.219	Rp74.969	Rp2.307	
3	16	49	Rp3.656	Rp77.406	Rp1.588	
4	16	65	Rp7.313	Rp81.063	Rp1.247	
5	12	77	Rp12.188	Rp85.938	Rp1.120	
6	12	89	Rp17.944	Rp91.694	Rp1.036	
7	12	100	Rp24.581	Rp98.331	Rp981	
8	12	112	Rp32.100	Rp105.850	Rp945	
9	14	126	Rp40.500	Rp114.250	Rp909	
10	14	140	Rp49.931	Rp123.681	Rp887	
11	14	153	Rp60.394	Rp134.144	Rp875	
12	14	167	Rp71.888	Rp145.638	Rp872	
13	16	183	Rp84.413	Rp158.163	Rp864	
14	16	199	Rp98.138	Rp171.888	Rp864	
15	16	215	Rp113.063	Rp186.813	Rp869	
16	16	231	Rp129.188	Rp202.938	Rp879	
17	15	246	Rp146.513	Rp220.263	Rp894	
18	15	262	Rp164.981	Rp238.731	Rp913	
19	15	277	Rp184.594	Rp258.344	Rp933	
20	15	292	Rp205.350	Rp279.100	Rp956	
21	51	343	Rp227.250	Rp301.000	Rp879	
22	51	393	Rp252.938	Rp326.688	Rp831	
23	51	444	Rp282.413	Rp356.163	Rp803	
24	51	494	Rp315.675	Rp389.425	Rp788	
25	39	533	Rp0	Rp73.750	Rp138	39
26	39	571	Rp0	Rp73.750	Rp129	39
27	39	610	Rp0	Rp73.750	Rp121	39
28	39	648	Rp0	Rp73.750	Rp114	39
29	30	678	Rp0	Rp73.750	Rp109	30
30	30	708	Rp0	Rp73.750	Rp104	30
31	30	738	Rp0	Rp73.750	Rp100	30
32	30	768	Rp0	Rp73.750	Rp96	30
33	30	798	Rp0	Rp73.750	Rp92	30
34	30	828	Rp0	Rp73.750	Rp89	30
35	30	858	Rp0	Rp73.750	Rp86	30
36	30	888	Rp0	Rp73.750	Rp83	30
37	109	997	Rp0	Rp73.750	Rp74	109
38	109	1107	Rp0	Rp73.750	Rp67	109
39	109	1216	Rp0	Rp73.750	Rp61	109
40	109	1325	Rp0	Rp73.750	Rp56	109
41	29	1354	Rp0	Rp73.750	Rp54	29
42	29	1383	Rp0	Rp73.750	Rp53	29
43	29	1412	Rp0	Rp73.750	Rp52	29
44	29	1441	Rp0	Rp73.750	Rp51	29
45	25	1466	Rp0	Rp73.750	Rp50	25
46	25	1492	Rp0	Rp73.750	Rp49	25
47	25	1517	Rp0	Rp73.750	Rp49	25
48	25	1542	Rp0	Rp73.750	Rp48	25

- Agen Aneka Usaha Jenis AirKu Galon

Periode (Minggu)	Demand	Cumulati ve	Cumulativ e	Total Holding	Unit Cost	
1	4	4	Rp0	Rp73.750	Rp21.071	134
2	4	7	Rp88	Rp73.838	Rp10.548	
3	4	11	Rp263	Rp74.013	Rp7.049	
4	4	14	Rp525	Rp74.275	Rp5.305	
5	4	18	Rp875	Rp74.625	Rp4.264	
6	4	21	Rp1.313	Rp75.063	Rp3.574	
7	4	25	Rp1.838	Rp75.588	Rp3.085	
8	4	28	Rp2.450	Rp76.200	Rp2.721	
9	3	31	Rp3.150	Rp76.900	Rp2.501	
10	3	34	Rp3.919	Rp77.669	Rp2.318	
11	3	36	Rp4.756	Rp78.506	Rp2.166	
12	3	39	Rp5.663	Rp79.413	Rp2.036	
13	4	43	Rp6.638	Rp80.388	Rp1.859	
14	4	48	Rp7.719	Rp81.469	Rp1.715	
15	4	52	Rp8.906	Rp82.656	Rp1.597	
16	4	56	Rp10.200	Rp83.950	Rp1.499	
17	7	63	Rp11.600	Rp85.350	Rp1.360	
18	7	70	Rp13.169	Rp86.919	Rp1.251	
19	7	76	Rp14.906	Rp88.656	Rp1.163	
20	7	83	Rp16.813	Rp90.563	Rp1.091	
21	2	85	Rp18.888	Rp92.638	Rp1.087	
22	2	88	Rp21.019	Rp94.769	Rp1.083	
23	2	90	Rp23.206	Rp96.956	Rp1.080	
24	2	92	Rp25.450	Rp99.200	Rp1.078	
25	3	95	Rp27.750	Rp101.500	Rp1.068	
26	3	98	Rp30.125	Rp103.875	Rp1.060	
27	3	101	Rp32.575	Rp106.325	Rp1.053	
28	3	104	Rp35.100	Rp108.850	Rp1.047	
29	3	107	Rp37.700	Rp111.450	Rp1.042	
30	3	110	Rp40.375	Rp114.125	Rp1.038	
31	3	113	Rp43.125	Rp116.875	Rp1.034	
32	3	116	Rp45.950	Rp119.700	Rp1.032	
33	5	121	Rp48.850	Rp122.600	Rp1.017	
34	5	125	Rp51.863	Rp125.613	Rp1.005	
35	5	130	Rp54.988	Rp128.738	Rp994	
36	5	134	Rp58.225	Rp131.975	Rp985	
37	3	137	Rp0	Rp73.750	Rp539	3
38	3	140	Rp0	Rp73.750	Rp529	3
39	3	142	Rp0	Rp73.750	Rp518	3
40	3	145	Rp0	Rp73.750	Rp509	3
41	5	150	Rp0	Rp73.750	Rp493	5
42	5	154	Rp0	Rp73.750	Rp479	5
43	5	159	Rp0	Rp73.750	Rp465	5
44	5	163	Rp0	Rp73.750	Rp452	5
45	3	166	Rp0	Rp73.750	Rp445	3
46	3	169	Rp0	Rp73.750	Rp438	3
47	3	171	Rp0	Rp73.750	Rp431	3
48	3	174	Rp0	Rp73.750	Rp424	3

- Agen Kantor Pos Jenis AirKu cup

Periode (Minggu)	Demand	Cumulatif	Cumulatif	Total Holding	Unit Cost	
1	55	55	Rp0	Rp73.750	Rp1.341	421
2	55	110	Rp2.090	Rp75.840	Rp689	
3	55	165	Rp6.270	Rp80.020	Rp485	
4	55	220	Rp12.540	Rp86.290	Rp392	
5	50	270,25	Rp20.900	Rp94.650	Rp350	
6	50	320,5	Rp31.170	Rp104.920	Rp327	
7	50	370,75	Rp43.349	Rp117.099	Rp316	
8	50	421	Rp57.437	Rp131.187	Rp312	
9	30	450,5	Rp0	Rp73.750	Rp164	30
10	30	480	Rp0	Rp73.750	Rp154	30
11	30	509,5	Rp0	Rp73.750	Rp145	30
12	30	539	Rp0	Rp73.750	Rp137	30
13	43	582	Rp0	Rp73.750	Rp127	43
14	43	625	Rp0	Rp73.750	Rp118	43
15	43	668	Rp0	Rp73.750	Rp110	43
16	43	711	Rp0	Rp73.750	Rp104	43
17	121	832,25	Rp0	Rp73.750	Rp89	121
18	121	953,5	Rp0	Rp73.750	Rp77	121
19	121	1074,75	Rp0	Rp73.750	Rp69	121
20	121	1196	Rp0	Rp73.750	Rp62	121
21	133	1329	Rp0	Rp73.750	Rp55	133
22	133	1462	Rp0	Rp73.750	Rp50	133
23	133	1595	Rp0	Rp73.750	Rp46	133
24	133	1728	Rp0	Rp73.750	Rp43	133
25	63	1791	Rp0	Rp73.750	Rp41	63
26	63	1854	Rp0	Rp73.750	Rp40	63
27	63	1917	Rp0	Rp73.750	Rp38	63
28	63	1980	Rp0	Rp73.750	Rp37	63
29	106	2086	Rp0	Rp73.750	Rp35	106
30	106	2192	Rp0	Rp73.750	Rp34	106
31	106	2298	Rp0	Rp73.750	Rp32	106
32	106	2404	Rp0	Rp73.750	Rp31	106
33	63	2467	Rp0	Rp73.750	Rp30	63
34	63	2530	Rp0	Rp73.750	Rp29	63
35	63	2593	Rp0	Rp73.750	Rp28	63
36	63	2656	Rp0	Rp73.750	Rp28	63
37	78	2734	Rp0	Rp73.750	Rp27	78
38	78	2812	Rp0	Rp73.750	Rp26	78
39	78	2890	Rp0	Rp73.750	Rp26	78
40	78	2968	Rp0	Rp73.750	Rp25	78
41	105	3073	Rp0	Rp73.750	Rp24	105
42	105	3178	Rp0	Rp73.750	Rp23	105
43	105	3283	Rp0	Rp73.750	Rp22	105
44	105	3388	Rp0	Rp73.750	Rp22	105
45	63	3450,5	Rp0	Rp73.750	Rp21	63
46	63	3513	Rp0	Rp73.750	Rp21	63
47	63	3575,5	Rp0	Rp73.750	Rp21	63
48	63	3638	0	Rp73.750	Rp20	63

- Agen Kantor Pos Jenis AirKu botol

Periode (Minggu)	Demand	Cumulatif	Cumulatif	Total Holding Cost	Unit Cost	
1	3	3	Rp0	Rp73.750	Rp24.583	87
2	3	6	Rp225	Rp73.975	Rp12.329	
3	3	9	Rp675	Rp74.425	Rp8.269	
4	3	12	Rp1.350	Rp75.100	Rp6.258	
5	3	15	Rp2.250	Rp76.000	Rp5.241	
6	3	17	Rp3.338	Rp77.088	Rp4.535	
7	3	20	Rp4.613	Rp78.363	Rp4.019	
8	3	22	Rp6.075	Rp79.825	Rp3.628	
9	6	28	Rp7.725	Rp81.475	Rp2.884	
10	6	35	Rp9.844	Rp83.594	Rp2.423	
11	6	41	Rp12.431	Rp86.181	Rp2.115	
12	6	47	Rp15.488	Rp89.238	Rp1.899	
13	4	51	Rp19.013	Rp92.763	Rp1.828	
14	4	55	Rp22.819	Rp96.569	Rp1.772	
15	4	58	Rp26.906	Rp100.656	Rp1.728	
16	4	62	Rp31.275	Rp105.025	Rp1.694	
17	6	68	Rp35.925	Rp109.675	Rp1.607	
18	6	75	Rp41.044	Rp114.794	Rp1.541	
19	6	81	Rp46.631	Rp120.381	Rp1.491	
20	6	87	Rp52.688	Rp126.438	Rp1.453	
21	3	90	Rp0	Rp73.750	Rp822	3
22	3	93	Rp0	Rp73.750	Rp797	3
23	3	95	Rp0	Rp73.750	Rp774	3
24	3	98	Rp0	Rp73.750	Rp753	3
25	5	103	Rp0	Rp73.750	Rp718	5
26	5	108	Rp0	Rp73.750	Rp686	5
27	5	112	Rp0	Rp73.750	Rp657	5
28	5	117	Rp0	Rp73.750	Rp630	5
29	5	122	Rp0	Rp73.750	Rp607	5
30	5	126	Rp0	Rp73.750	Rp585	5
31	5	131	Rp0	Rp73.750	Rp565	5
32	5	135	Rp0	Rp73.750	Rp546	5
33	3	138	Rp0	Rp73.750	Rp536	3
34	3	140	Rp0	Rp73.750	Rp527	3
35	3	143	Rp0	Rp73.750	Rp518	3
36	3	145	Rp0	Rp73.750	Rp509	3
37	1	146	Rp0	Rp73.750	Rp505	1
38	1	147	Rp0	Rp73.750	Rp502	1
39	1	148	Rp0	Rp73.750	Rp498	1
40	1	149	Rp0	Rp73.750	Rp495	1
41	2	151	Rp0	Rp73.750	Rp490	2
42	2	152	Rp0	Rp73.750	Rp485	2
43	2	154	Rp0	Rp73.750	Rp480	2
44	2	155	Rp0	Rp73.750	Rp476	2
45	6	161	Rp0	Rp73.750	Rp460	6
46	6	166	Rp0	Rp73.750	Rp444	6
47	6	172	Rp0	Rp73.750	Rp430	6
48	6	177	Rp0	Rp73.750	Rp417	6

- Agen Kantor Pos Jenis AirKu galon

Periode (Minggu)	Demand	Cumulati ve	Cumulativ e	Total Holding	Unit Cost	
1	4	4	Rp0	Rp73.750	Rp17.353	177
2	4	9	Rp106	Rp73.856	Rp8.689	
3	4	13	Rp319	Rp74.069	Rp5.809	
4	4	17	Rp638	Rp74.388	Rp4.376	
5	6	23	Rp1.063	Rp74.813	Rp3.253	
6	6	29	Rp1.638	Rp75.388	Rp2.600	
7	6	35	Rp2.363	Rp76.113	Rp2.175	
8	6	41	Rp3.238	Rp76.988	Rp1.878	
9	6	47	Rp4.263	Rp78.013	Rp1.651	
10	6	54	Rp5.444	Rp79.194	Rp1.480	
11	6	60	Rp6.781	Rp80.531	Rp1.348	
12	6	66	Rp8.275	Rp82.025	Rp1.243	
13	6	72	Rp9.925	Rp83.675	Rp1.170	
14	6	77	Rp11.713	Rp85.463	Rp1.110	
15	6	83	Rp13.638	Rp87.388	Rp1.059	
16	6	88	Rp15.700	Rp89.450	Rp1.016	
17	5	93	Rp17.900	Rp91.650	Rp983	
18	5	99	Rp20.231	Rp93.981	Rp954	
19	5	104	Rp22.694	Rp96.444	Rp930	
20	5	109	Rp25.288	Rp99.038	Rp909	
21	6	115	Rp28.013	Rp101.763	Rp885	
22	6	121	Rp30.888	Rp104.638	Rp865	
23	6	127	Rp33.913	Rp107.663	Rp848	
24	6	133	Rp37.088	Rp110.838	Rp833	
25	5	138	Rp40.413	Rp114.163	Rp830	
26	5	142	Rp43.850	Rp117.600	Rp828	
27	5	147	Rp47.400	Rp121.150	Rp827	
28	5	151	Rp51.063	Rp124.813	Rp827	
29	7	158	Rp54.838	Rp128.588	Rp816	
30	7	164	Rp58.775	Rp132.525	Rp808	
31	7	171	Rp62.875	Rp136.625	Rp801	
32	7	177	Rp67.138	Rp140.888	Rp796	
33	5	182	Rp0	Rp73.750	Rp406	5
34	5	187	Rp0	Rp73.750	Rp395	5
35	5	191	Rp0	Rp73.750	Rp386	5
36	5	196	Rp0	Rp73.750	Rp376	5
37	7	203	Rp0	Rp73.750	Rp364	7
38	7	209	Rp0	Rp73.750	Rp353	7
39	7	216	Rp0	Rp73.750	Rp342	7
40	7	222	Rp0	Rp73.750	Rp332	7
41	6	228	Rp0	Rp73.750	Rp323	6
42	6	235	Rp0	Rp73.750	Rp314	6
43	6	241	Rp0	Rp73.750	Rp306	6
44	6	247	Rp0	Rp73.750	Rp299	6
45	7	254	Rp0	Rp73.750	Rp291	7
46	7	261	Rp0	Rp73.750	Rp283	7
47	7	267	Rp0	Rp73.750	Rp276	7
48	7	274	Rp0	Rp73.750	Rp269	7

- Agen Umar Jenis AirKu cup

Periode (Minggu)	Demand	Cumulati ve	Cumulativ e	Total Holding	Unit Cost	
1	168	168,25	Rp0	Rp73.750	Rp438	1294
2	168	336,5	Rp6.394	Rp80.144	Rp238	
3	168	504,75	Rp19.181	Rp92.931	Rp184	
4	168	673	Rp38.361	Rp112.111	Rp167	
5	310	983,25	Rp63.935	Rp137.685	Rp140	
6	310	1293,5	Rp101.299	Rp175.049	Rp135	
7	310	1603,75	Rp0	Rp73.750	Rp46	310
8	310	1914	Rp0	Rp73.750	Rp39	310
9	318	2232,25	Rp0	Rp73.750	Rp33	318
10	318	2550,5	Rp0	Rp73.750	Rp29	318
11	318	2868,75	Rp0	Rp73.750	Rp26	318
12	318	3187	Rp0	Rp73.750	Rp23	318
13	401	3587,75	Rp0	Rp73.750	Rp21	401
14	401	3988,5	Rp0	Rp73.750	Rp18	401
15	401	4389,25	Rp0	Rp73.750	Rp17	401
16	401	4790	Rp0	Rp73.750	Rp15	401
17	308	5098,25	Rp0	Rp73.750	Rp14	308
18	308	5406,5	Rp0	Rp73.750	Rp14	308
19	308	5714,75	Rp0	Rp73.750	Rp13	308
20	308	6023	Rp0	Rp73.750	Rp12	308
21	369	6391,5	Rp0	Rp73.750	Rp12	369
22	369	6760	Rp0	Rp73.750	Rp11	369
23	369	7128,5	Rp0	Rp73.750	Rp10	369
24	369	7497	Rp0	Rp73.750	Rp10	369
25	424	7921,25	Rp0	Rp73.750	Rp9	424
26	424	8345,5	Rp0	Rp73.750	Rp9	424
27	424	8769,75	Rp0	Rp73.750	Rp8	424
28	424	9194	Rp0	Rp73.750	Rp8	424
29	363	9557	Rp0	Rp73.750	Rp8	363
30	363	9920	Rp0	Rp73.750	Rp7	363
31	363	10283	Rp0	Rp73.750	Rp7	363
32	363	10646	Rp0	Rp73.750	Rp7	363
33	349	10994,75	Rp0	Rp73.750	Rp7	349
34	349	11343,5	Rp0	Rp73.750	Rp7	349
35	349	11692,25	Rp0	Rp73.750	Rp6	349
36	349	12041	Rp0	Rp73.750	Rp6	349
37	380	12420,75	Rp0	Rp73.750	Rp6	380
38	380	12800,5	Rp0	Rp73.750	Rp6	380
39	380	13180,25	Rp0	Rp73.750	Rp6	380
40	380	13560	Rp0	Rp73.750	Rp5	380
41	334	13893,75	Rp0	Rp73.750	Rp5	334
42	334	14227,5	Rp0	Rp73.750	Rp5	334
43	334	14561,25	Rp0	Rp73.750	Rp5	334
44	334	14895	Rp0	Rp73.750	Rp5	334
45	277	15172,25	Rp0	Rp73.750	Rp5	277
46	277	15449,5	Rp0	Rp73.750	Rp5	277
47	277	15726,75	Rp0	Rp73.750	Rp5	277
48	277	16004	Rp0	Rp73.750	Rp5	277

- Agen Umar Jenis AirKu botol

Periode (Minggu)	Demand	Cumulatif	Cumulatif	Total Holding Cost	Unit Cost	
1	9	9	Rp0	Rp73.750	Rp8.429	961
2	9	18	Rp656	Rp74.406	Rp4.252	
3	9	26	Rp1.969	Rp75.719	Rp2.885	
4	9	35	Rp3.938	Rp77.688	Rp2.220	
5	17	52	Rp6.563	Rp80.313	Rp1.537	
6	17	70	Rp10.481	Rp84.231	Rp1.212	
7	17	87	Rp15.694	Rp89.444	Rp1.031	
8	17	104	Rp22.200	Rp95.950	Rp923	
9	15	119	Rp30.000	Rp103.750	Rp876	
10	15	133	Rp38.888	Rp112.638	Rp847	
11	15	148	Rp48.863	Rp122.613	Rp831	
12	15	162	Rp59.925	Rp133.675	Rp825	
13	13	175	Rp0	Rp73.750	Rp423	13
14	13	187	Rp0	Rp73.750	Rp394	13
15	13	200	Rp0	Rp73.750	Rp370	13
16	13	212	Rp0	Rp73.750	Rp348	13
17	16	228	Rp0	Rp73.750	Rp323	16
18	16	244	Rp0	Rp73.750	Rp302	16
19	16	260	Rp0	Rp73.750	Rp284	16
20	16	276	Rp0	Rp73.750	Rp267	16
21	12	288	Rp0	Rp73.750	Rp256	12
22	12	300	Rp0	Rp73.750	Rp246	12
23	12	312	Rp0	Rp73.750	Rp236	12
24	12	324	Rp0	Rp73.750	Rp228	12
25	10	334	Rp0	Rp73.750	Rp221	10
26	10	343	Rp0	Rp73.750	Rp215	10
27	10	353	Rp0	Rp73.750	Rp209	10
28	10	362	Rp0	Rp73.750	Rp204	10
29	10	372	Rp0	Rp73.750	Rp198	10
30	10	382	Rp0	Rp73.750	Rp193	10
31	10	391	Rp0	Rp73.750	Rp188	10
32	10	401	Rp0	Rp73.750	Rp184	10
33	13	414	Rp0	Rp73.750	Rp178	13
34	13	428	Rp0	Rp73.750	Rp173	13
35	13	441	Rp0	Rp73.750	Rp167	13
36	13	454	Rp0	Rp73.750	Rp162	13
37	21	475	Rp0	Rp73.750	Rp155	21
38	21	497	Rp0	Rp73.750	Rp149	21
39	21	518	Rp0	Rp73.750	Rp142	21
40	21	539	Rp0	Rp73.750	Rp137	21
41	14	553	Rp0	Rp73.750	Rp133	14
42	14	566	Rp0	Rp73.750	Rp130	14
43	14	580	Rp0	Rp73.750	Rp127	14
44	14	593	Rp0	Rp73.750	Rp124	14
45	20	613	Rp0	Rp73.750	Rp120	20
46	20	632	Rp0	Rp73.750	Rp117	20
47	20	652	Rp0	Rp73.750	Rp113	20
48	20	671	Rp0	Rp73.750	Rp110	20

- Agen Umar AirKu galon

Periode (Minggu)	Demand	Cumulati ve	Cumulativ e	Total Holding	Unit Cost	
1	28	28	Rp0	Rp73.750	Rp2.682	342
2	28	55	Rp688	Rp74.438	Rp1.353	
3	28	83	Rp2.063	Rp75.813	Rp919	
4	28	110	Rp4.125	Rp77.875	Rp708	
5	10	120	Rp6.875	Rp80.625	Rp670	
6	10	131	Rp9.881	Rp83.631	Rp641	
7	10	141	Rp13.144	Rp86.894	Rp617	
8	10	151	Rp16.663	Rp90.413	Rp599	
9	26	177	Rp20.438	Rp94.188	Rp531	
10	26	204	Rp24.869	Rp98.619	Rp485	
11	26	230	Rp29.956	Rp103.706	Rp451	
12	26	256	Rp35.700	Rp109.450	Rp428	
13	22	278	Rp42.100	Rp115.850	Rp417	
14	22	299	Rp49.038	Rp122.788	Rp411	
15	22	321	Rp56.513	Rp130.263	Rp406	
16	22	342	Rp64.525	Rp138.275	Rp404	
17	19	361	Rp0	Rp73.750	Rp205	19
18	19	379	Rp0	Rp73.750	Rp195	19
19	19	398	Rp0	Rp73.750	Rp186	19
20	19	416	Rp0	Rp73.750	Rp177	19
21	22	438	Rp0	Rp73.750	Rp168	22
22	22	461	Rp0	Rp73.750	Rp160	22
23	22	483	Rp0	Rp73.750	Rp153	22
24	22	505	Rp0	Rp73.750	Rp146	22
25	31	536	Rp0	Rp73.750	Rp138	31
26	31	567	Rp0	Rp73.750	Rp130	31
27	31	597	Rp0	Rp73.750	Rp123	31
28	31	628	Rp0	Rp73.750	Rp117	31
29	26	654	Rp0	Rp73.750	Rp113	26
30	26	681	Rp0	Rp73.750	Rp108	26
31	26	707	Rp0	Rp73.750	Rp104	26
32	26	733	Rp0	Rp73.750	Rp101	26
33	27	760	Rp0	Rp73.750	Rp97	27
34	27	788	Rp0	Rp73.750	Rp94	27
35	27	815	Rp0	Rp73.750	Rp91	27
36	27	842	Rp0	Rp73.750	Rp88	27
37	25	867	Rp0	Rp73.750	Rp85	25
38	25	891	Rp0	Rp73.750	Rp83	25
39	25	916	Rp0	Rp73.750	Rp81	25
40	25	940	Rp0	Rp73.750	Rp78	25
41	38	978	Rp0	Rp73.750	Rp75	38
42	38	1015	Rp0	Rp73.750	Rp73	38
43	38	1053	Rp0	Rp73.750	Rp70	38
44	38	1090	Rp0	Rp73.750	Rp68	38
45	33	1123	Rp0	Rp73.750	Rp66	33
46	33	1156	Rp0	Rp73.750	Rp64	33
47	33	1189	Rp0	Rp73.750	Rp62	33
48	33	1222	Rp0	Rp73.750	Rp60	33

- Agen Joko Sendang Jenis AirKu cup

Periode (Minggu)	Demand	Cumulative	Cumulative	Total	Unit Cost	
		e	Inventory	Holding		
1	302	302	Rp0	Rp73.750	Rp244	1208
2	302	604	Rp11.476	Rp85.226	Rp141	
3	302	906	Rp34.428	Rp108.178	Rp119	
4	302	1208	Rp68.856	Rp142.606	Rp118	
5	245	1452,5	Rp0	Rp73.750	Rp51	245
6	245	1697	Rp0	Rp73.750	Rp43	245
7	245	1941,5	Rp0	Rp73.750	Rp38	245
8	245	2186	Rp0	Rp73.750	Rp34	245
9	404	2590,25	Rp0	Rp73.750	Rp28	404
10	404	2994,5	Rp0	Rp73.750	Rp25	404
11	404	3398,75	Rp0	Rp73.750	Rp22	404
12	404	3803	Rp0	Rp73.750	Rp19	404
13	402	4205,25	Rp0	Rp73.750	Rp18	402
14	402	4607,5	Rp0	Rp73.750	Rp16	402
15	402	5009,75	Rp0	Rp73.750	Rp15	402
16	402	5412	Rp0	Rp73.750	Rp14	402
17	364	5775,5	Rp0	Rp73.750	Rp13	364
18	364	6139	Rp0	Rp73.750	Rp12	364
19	364	6502,5	Rp0	Rp73.750	Rp11	364
20	364	6866	Rp0	Rp73.750	Rp11	364
21	658	7524	Rp0	Rp73.750	Rp10	658
22	658	8182	Rp0	Rp73.750	Rp9	658
23	658	8840	Rp0	Rp73.750	Rp8	658
24	658	9498	Rp0	Rp73.750	Rp8	658
25	507	10005,25	Rp0	Rp73.750	Rp7	507
26	507	10512,5	Rp0	Rp73.750	Rp7	507
27	507	11019,75	Rp0	Rp73.750	Rp7	507
28	507	11527	Rp0	Rp73.750	Rp6	507
29	525	12052	Rp0	Rp73.750	Rp6	525
30	525	12577	Rp0	Rp73.750	Rp6	525
31	525	13102	Rp0	Rp73.750	Rp6	525
32	525	13627	Rp0	Rp73.750	Rp5	525
33	431	14058	Rp0	Rp73.750	Rp5	431
34	431	14489	Rp0	Rp73.750	Rp5	431
35	431	14920	Rp0	Rp73.750	Rp5	431
36	431	15351	Rp0	Rp73.750	Rp5	431
37	367	15718,25	Rp0	Rp73.750	Rp5	367
38	367	16085,5	Rp0	Rp73.750	Rp5	367
39	367	16452,75	Rp0	Rp73.750	Rp4	367
40	367	16820	Rp0	Rp73.750	Rp4	367
41	504	17324,25	Rp0	Rp73.750	Rp4	504
42	504	17828,5	Rp0	Rp73.750	Rp4	504
43	504	18332,75	Rp0	Rp73.750	Rp4	504
44	504	18837	Rp0	Rp73.750	Rp4	504
45	257	19093,5	Rp0	Rp73.750	Rp4	257
46	257	19350	Rp0	Rp73.750	Rp4	257
47	257	19606,5	Rp0	Rp73.750	Rp4	257
48	257	19863	Rp0	Rp73.750	Rp4	257

- Agen Joko Sendang Jenis AirKu botol

Periode (Minggu)	Demand	Cumulati ve	Cumulativ e	Total Holding Cost	Unit Cost	
1	15	15	Rp0	Rp73.750	Rp5.086	184
2	15	29	Rp1.088	Rp74.838	Rp2.581	
3	15	44	Rp3.263	Rp77.013	Rp1.770	
4	15	58	Rp6.525	Rp80.275	Rp1.384	
5	32	90	Rp10.875	Rp84.625	Rp946	
6	32	121	Rp17.588	Rp91.338	Rp755	
7	32	153	Rp26.663	Rp100.413	Rp658	
8	32	184	Rp38.100	Rp111.850	Rp608	
9	17	201	Rp0	Rp73.750	Rp367	17
10	17	218	Rp0	Rp73.750	Rp338	17
11	17	235	Rp0	Rp73.750	Rp314	17
12	17	252	Rp0	Rp73.750	Rp293	17
13	11	263	Rp0	Rp73.750	Rp280	11
14	11	274	Rp0	Rp73.750	Rp269	11
15	11	285	Rp0	Rp73.750	Rp259	11
16	11	296	Rp0	Rp73.750	Rp249	11
17	14	310	Rp0	Rp73.750	Rp238	14
18	14	324	Rp0	Rp73.750	Rp228	14
19	14	338	Rp0	Rp73.750	Rp218	14
20	14	352	Rp0	Rp73.750	Rp210	14
21	41	393	Rp0	Rp73.750	Rp188	41
22	41	433	Rp0	Rp73.750	Rp170	41
23	41	474	Rp0	Rp73.750	Rp156	41
24	41	514	Rp0	Rp73.750	Rp143	41
25	15	529	Rp0	Rp73.750	Rp139	15
26	15	544	Rp0	Rp73.750	Rp136	15
27	15	558	Rp0	Rp73.750	Rp132	15
28	15	573	Rp0	Rp73.750	Rp129	15
29	21	594	Rp0	Rp73.750	Rp124	21
30	21	615	Rp0	Rp73.750	Rp120	21
31	21	635	Rp0	Rp73.750	Rp116	21
32	21	656	Rp0	Rp73.750	Rp112	21
33	14	670	Rp0	Rp73.750	Rp110	14
34	14	683	Rp0	Rp73.750	Rp108	14
35	14	697	Rp0	Rp73.750	Rp106	14
36	14	710	Rp0	Rp73.750	Rp104	14
37	12	722	Rp0	Rp73.750	Rp102	12
38	12	735	Rp0	Rp73.750	Rp100	12
39	12	747	Rp0	Rp73.750	Rp99	12
40	12	759	Rp0	Rp73.750	Rp97	12
41	15	774	Rp0	Rp73.750	Rp95	15
42	15	789	Rp0	Rp73.750	Rp94	15
43	15	803	Rp0	Rp73.750	Rp92	15
44	15	818	Rp0	Rp73.750	Rp90	15
45	32	850	Rp0	Rp73.750	Rp87	32
46	32	882	Rp0	Rp73.750	Rp84	32
47	32	913	Rp0	Rp73.750	Rp81	32
48	32	945	Rp0	Rp73.750	Rp78	32

- Agen Joko Sendang Jenis AirKu galon

Periode (Minggu)	Demand	Cumulativ e	Cumulativ e	Total Holding	Unit Cost	
1	3	3	Rp0	Rp73.750	Rp26.818	152
2	3	6	Rp69	Rp73.819	Rp13.422	
3	3	8	Rp206	Rp73.956	Rp8.964	
4	3	11	Rp413	Rp74.163	Rp6.742	
5	2	13	Rp688	Rp74.438	Rp5.618	
6	2	16	Rp1.019	Rp74.769	Rp4.824	
7	2	18	Rp1.406	Rp75.156	Rp4.234	
8	2	20	Rp1.850	Rp75.600	Rp3.780	
9	2	22	Rp2.350	Rp76.100	Rp3.420	
10	2	25	Rp2.906	Rp76.656	Rp3.129	
11	2	27	Rp3.519	Rp77.269	Rp2.889	
12	2	29	Rp4.188	Rp77.938	Rp2.688	
13	3	32	Rp4.913	Rp78.663	Rp2.458	
14	3	35	Rp5.713	Rp79.463	Rp2.270	
15	3	38	Rp6.588	Rp80.338	Rp2.114	
16	3	41	Rp7.538	Rp81.288	Rp1.983	
17	2	43	Rp8.563	Rp82.313	Rp1.903	
18	2	46	Rp9.644	Rp83.394	Rp1.833	
19	2	48	Rp10.781	Rp84.531	Rp1.770	
20	2	50	Rp11.975	Rp85.725	Rp1.715	
21	3	53	Rp13.225	Rp86.975	Rp1.641	
22	3	56	Rp14.550	Rp88.300	Rp1.577	
23	3	59	Rp15.950	Rp89.700	Rp1.520	
24	3	62	Rp17.425	Rp91.175	Rp1.471	
25	3	65	Rp18.975	Rp92.725	Rp1.438	
26	3	67	Rp20.588	Rp94.338	Rp1.408	
27	3	70	Rp22.263	Rp96.013	Rp1.381	
28	3	72	Rp24.000	Rp97.750	Rp1.358	
29	5	77	Rp25.800	Rp99.550	Rp1.293	
30	5	82	Rp27.725	Rp101.475	Rp1.238	
31	5	87	Rp29.775	Rp103.525	Rp1.190	
32	5	92	Rp31.950	Rp105.700	Rp1.149	
33	4	96	Rp34.250	Rp108.000	Rp1.122	
34	4	101	Rp36.656	Rp110.406	Rp1.099	
35	4	105	Rp39.169	Rp112.919	Rp1.078	
36	4	109	Rp41.788	Rp115.538	Rp1.060	
37	2	111	Rp44.513	Rp118.263	Rp1.068	
38	2	113	Rp47.281	Rp121.031	Rp1.076	
39	2	114	Rp50.094	Rp123.844	Rp1.084	
40	2	116	Rp52.950	Rp126.700	Rp1.092	
41	9	125	Rp55.850	Rp129.600	Rp1.037	
42	9	134	Rp58.975	Rp132.725	Rp990	
43	9	143	Rp62.325	Rp136.075	Rp952	
44	9	152	Rp65.900	#####	Rp919	
45	4	156	Rp0	Rp73.750	Rp473	4
46	4	160	Rp0	Rp73.750	Rp461	4
47	4	164	Rp0	Rp73.750	Rp450	4
48	4	168	Rp0	Rp73.750	Rp439	4

LAMPIRAN D

TABEL DRP



DISTRIBUTION REQUIREMENT PLANNING

LOT SIZE PERIOD ORDER QUANTITY

• Lot Size POQ Agen Aneka Usaha AirKu Cup

Aneka Usaha														
POQ (Interval = 3)														
Safety Stock	60	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 38										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		405	405	405	405	441	441	441	441	442	442	442	442	
Schedule Receipts														
Project On Hand	0	809	405	0	882	441	0	883	442	0	884	442	0	
Net Requirements		465	0	60	465	0	60	501	0	60	502	0	60	
Planned Order Receipts		1214	0	0	1286	0	0	1323	0	0	1325	0	0	
Planned Order Release		1214	0	0	1286	0	0	1323	0	0	1325	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp30.742	Rp15.371	Rp -	Rp33.497	Rp16.749	Rp -	Rp33.535	Rp16.787	Rp -	Rp33.573	Rp16.787	Rp -	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		700	700	700	700	510	510	510	510	642	642	642	642	
Schedule Receipts														
Project On Hand	0	1400	700	0	1020	510	0	1152	642	0	1285	642	0	
Net Requirements		760	0	60	760	0	60	570	0	60	702	0	60	
Planned Order Receipts		2099	0	0	1720	0	0	1662	0	0	1927	0	0	
Planned Order Release		2099	0	0	1720	0	0	1662	0	0	1927	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp53.181	Rp26.591	Rp -	Rp38.760	Rp19.380	Rp -	Rp43.786	Rp24.406	Rp -	Rp48.811	Rp24.406	Rp -	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		456	456	456	456	464	464	464	464	405	405	405	405	
Schedule Receipts														
Project On Hand	0	912	456	0	927	464	0	869	405	0	811	405	0	
Net Requirements		516	0	60	516	0	60	524	0	60	465	0	60	
Planned Order Receipts		1368	0	0	1383	0	0	1332	0	0	1216	0	0	
Planned Order Release		1368	0	0	1383	0	0	1332	0	0	1216	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp34.656	Rp17.328	Rp -	Rp35.226	Rp17.613	Rp -	Rp33.013	Rp15.400	Rp -	Rp30.799	Rp15.400	Rp -	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		233	233	233	233	67	67	67	67	44	44	44	44	19230
Schedule Receipts														0
Project On Hand	0	467	233	0	134	67	0	111	44	0	88	44	0	18970
Net Requirements		293	0	60	293	0	60	127	16	60	104	16	60	8554
Planned Order Receipts		700	0	0	367	0	0	177	0	0	131	0	0	19230
Planned Order Release		700	0	0	367	0	0	177	0	0	131	0	0	19230
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp 1.180.000
Holding Cost		Rp17.727	Rp 8.864	Rp -	Rp 5.073	Rp 2.537	Rp -	Rp 4.199	Rp 1.663	Rp -	Rp 3.325	Rp 1.663	Rp -	Rp 720.841
Total Biaya														Rp 1.900.841

• Lot Size POQ Agen Aneka Usaha AirKu Botol

Aneka Usaha														
POQ (Interval = 40)														
Safety Stock	0	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 25										
Project On Hand	0													
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		4	4	4	4	4	4	4	4	3	3	3	3	
Project On Hand	0	142	138	135	131	128	124	121	117	114	112	109	106	
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		145	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		145	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 3.538	Rp 3.450	Rp 3.363	Rp 3.275	Rp 3.188	Rp 3.100	Rp 3.013	Rp 2.925	Rp 2.856	Rp 2.788	Rp 2.719	Rp 2.650	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		4	4	4	4	7	7	7	7	2	2	2	2	
Project On Hand	106	102	98	93	89	82	76	69	62	60	58	55	53	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 2.544	Rp 2.438	Rp 2.331	Rp 2.225	Rp 2.056	Rp 1.888	Rp 1.719	Rp 1.550	Rp 1.494	Rp 1.438	Rp 1.381	Rp 1.325	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		3	3	3	3	3	3	3	3	5	5	5	5	
Project On Hand	53	50	47	44	41	38	35	32	29	25	20	16	11	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 1.250	Rp 1.175	Rp 1.100	Rp 1.025	Rp 950	Rp 875	Rp 800	Rp 725	Rp 613	Rp 500	Rp 388	Rp 275	
	Past Due	Period												Total
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	
Schedule Receipts		3	3	3	3	5	5	5	5	3	3	3	3	
Project On Hand	11	8	6	3	0	25	20	16	11	8	6	3	0	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	29	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	29	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 206	Rp 138	Rp 69	Rp -	Rp 613	Rp 500	Rp 388	Rp 275	Rp 206	Rp 138	Rp 69	Rp -	
Total Biaya													Rp 219.025	

• Lot Size POQ Agen Aneka Usaha AirKu Galon

Aneka Usaha														
POQ (Interval = 8)														
Safety Stock	8		Set Up Cost	Rp73.750										
Lead Time	0		Holding Cost	Rp 75										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		16	16	16	16	12	12	12	12	14	14	14	14	
Schedule Receipts														
Project On Hand	0	96	80	63	47	35	24	12	0	105	92	78	64	
Net Requirements		24	0	0	0	0	0	0	8	22	0	0	0	
Planned Order Receipts		112	0	0	0	0	0	0	0	119	0	0	0	
Planned Order Release		112	0	0	0	0	0	0	0	119	0	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 7.181	Rp 5.963	Rp 4.744	Rp 3.525	Rp 2.644	Rp 1.763	Rp 881	Rp -	Rp 7.894	Rp 6.863	Rp 5.831	Rp 4.800	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		16	16	16	16	15	15	15	15	51	51	51	51	
Schedule Receipts														
Project On Hand	64	48	32	16	0	248	233	217	202	152	101	51	0	
Net Requirements		0	0	-8	8	23	0	0	0	0	0	0	8	
Planned Order Receipts		0	0	0	0	263	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	263	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 3.600	Rp 2.400	Rp 1.200	Rp -	Rp18.581	Rp17.438	Rp16.294	Rp15.150	Rp11.363	Rp 7.575	Rp 3.788	Rp -	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		39	39	39	39	30	30	30	30	30	30	30	30	
Schedule Receipts														
Project On Hand	0	236	197	159	120	90	60	30	0	527	497	467	437	
Net Requirements		47	0	0	0	0	0	0	8	38	0	0	0	
Planned Order Receipts		274	0	0	0	0	0	0	0	557	0	0	0	
Planned Order Release		274	0	0	0	0	0	0	0	557	0	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp17.663	Rp14.775	Rp11.888	Rp 9.000	Rp 6.750	Rp 4.500	Rp 2.250	Rp -	Rp39.525	Rp37.275	Rp35.025	Rp32.775	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		109	109	109	109	29	29	29	29	25	25	25	25	
Schedule Receipts														
Project On Hand	437	328	219	109	0	188	159	130	101	76	51	25	0	
Net Requirements		0	0	0	8	37	0	0	0	0	0	0	8	
Planned Order Receipts		0	0	0	0	217	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	217	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp24.581	Rp16.388	Rp 8.194	Rp -	Rp14.100	Rp11.925	Rp 9.750	Rp 7.575	Rp 5.681	Rp 3.788	Rp 1.894	Rp -	
Total Biaya													Rp 907.275	

• Lot Size POQ Kantor Pos AirKu Cup

Kantor Pos														
POQ (Interval = 7)														
Safety Stock	17	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 38										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		55	55	55	55	50	50	50	50	30	30	30	30	
Schedule Receipts														
Project On Hand	0	316	261	206	151	101	50	0	204	175	145	116	86	
Net Requirements		72	0	0	0	0	0	17	67	0	0	0	0	
Planned Order Receipts		371	0	0	0	0	0	0	254	0	0	0	0	
Planned Order Release		371	0	0	0	0	0	0	254	0	0	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp11.999	Rp 9.909	Rp 7.819	Rp 5.729	Rp 3.819	Rp 1.910	Rp -	Rp 7.752	Rp 6.631	Rp 5.510	Rp 4.389	Rp 3.268	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		43	43	43	43	121	121	121	121	133	133	133	133	
Schedule Receipts														
Project On Hand	86	43	0	661	618	497	376	254	133	0	518	385	252	
Net Requirements		0	17	60	0	0	0	0	0	17	150	0	0	
Planned Order Receipts		0	0	704	0	0	0	0	0	0	651	0	0	
Planned Order Release		0	0	704	0	0	0	0	0	0	651	0	0	
Set Up Cost		Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp 1.634	Rp -	Rp25.118	Rp23.484	Rp18.877	Rp14.269	Rp 9.662	Rp 5.054	Rp -	Rp19.684	Rp14.630	Rp 9.576	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		63	63	63	63	106	106	106	106	63	63	63	63	
Schedule Receipts														
Project On Hand	252	189	126	63	0	507	401	295	189	126	63	0	522	
Net Requirements		0	0	0	17	123	0	0	0	0	0	17	80	
Planned Order Receipts		0	0	0	0	613	0	0	0	0	0	0	585	
Planned Order Release		0	0	0	0	613	0	0	0	0	0	0	585	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	
Holding Cost		Rp 7.182	Rp 4.788	Rp 2.394	Rp -	Rp19.266	Rp15.238	Rp11.210	Rp 7.182	Rp 4.788	Rp 2.394	Rp -	Rp19.836	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		78	78	78	78	105	105	105	105	63	63	63	63	3638
Schedule Receipts														0
Project On Hand	522	444	366	288	210	105	0	355	250	188	125	63	0	10419
Net Requirements		0	0	0	0	0	17	122	0	0	0	0	17	793
Planned Order Receipts		0	0	0	0	0	0	460	0	0	0	0	0	3638
Planned Order Release		0	0	0	0	0	0	460	0	0	0	0	0	3638
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 516.250
Holding Cost		Rp16.872	Rp13.908	Rp10.944	Rp 7.980	Rp 3.990	Rp -	Rp13.490	Rp 9.500	Rp 7.125	Rp 4.750	Rp 2.375	Rp -	Rp 395.932
Total Biaya													Rp 912.182	

• Lot Size POQ Kantor Pos AirKu Botol

Kantor Pos														
POQ (Interval = 23)														
Safety Stock	1	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 75										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		3	3	3	3	3	3	3	3	6	6	6	6	
Schedule Receipts														
Project On Hand	0	92	89	86	83	81	78	76	73	67	61	55	48	
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		95	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		95	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 6.919	Rp 6.694	Rp 6.469	Rp 6.244	Rp 6.056	Rp 5.869	Rp 5.681	Rp 5.494	Rp 5.025	Rp 4.556	Rp 4.088	Rp 3.619	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		4	4	4	4	6	6	6	6	3	3	3	3	
Schedule Receipts														
Project On Hand	48	45	41	37	33	27	21	15	8	6	3	0	68	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	71	
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	71	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	
Holding Cost		Rp 3.338	Rp 3.056	Rp 2.775	Rp 2.494	Rp 2.025	Rp 1.556	Rp 1.088	Rp 619	Rp 413	Rp 206	Rp -	Rp 5.100	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		5	5	5	5	5	5	5	5	3	3	3	3	
Schedule Receipts														
Project On Hand	68	63	59	54	49	45	40	36	31	29	26	24	21	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 4.744	Rp 4.388	Rp 4.031	Rp 3.675	Rp 3.338	Rp 3.000	Rp 2.663	Rp 2.325	Rp 2.138	Rp 1.950	Rp 1.763	Rp 1.575	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		1	1	1	1	2	2	2	2	6	6	6	6	177
Schedule Receipts														0
Project On Hand	21	20	19	18	17	16	14	13	11	6	0	6	0	1804
Net Requirements		0	0	0	0	0	0	0	0	0	1	7	1	13
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	11	0	177
Planned Order Release		0	0	0	0	0	0	0	0	0	0	11	0	177
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp 221.250
Holding Cost		Rp 1.500	Rp 1.425	Rp 1.350	Rp 1.275	Rp 1.163	Rp 1.050	Rp 938	Rp 825	Rp 413	Rp -	Rp 413	Rp -	Rp 135.319
Total Biaya													Rp 356.569	

• Lot Size POQ Kantor Pos AirKu Galon

Kantor Pos														
POQ (Interval =32)														
Safety Stock	0	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 25										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		4	4	4	4	6	6	6	6	6	6	6	6	
Schedule Receipts														
Project On Hand	0	173	169	164	160	154	148	142	136	130	124	117	111	
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		177	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		177	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 4.319	Rp 4.213	Rp 4.106	Rp 4.000	Rp 3.850	Rp 3.700	Rp 3.550	Rp 3.400	Rp 3.244	Rp 3.088	Rp 2.931	Rp 2.775	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		6	6	6	6	5	5	5	5	6	6	6	6	
Schedule Receipts														
Project On Hand	111	106	100	95	89	84	79	73	68	62	56	50	44	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 2.638	Rp 2.500	Rp 2.363	Rp 2.225	Rp 2.094	Rp 1.963	Rp 1.831	Rp 1.700	Rp 1.550	Rp 1.400	Rp 1.250	Rp 1.100	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		5	5	5	5	7	7	7	7	5	5	5	5	
Schedule Receipts														
Project On Hand	44	40	35	31	26	20	13	7	0	92	88	83	78	
Net Requirements		0	0	0	0	0	0	0	0	5	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	0	0	97	0	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	97	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 988	Rp 875	Rp 763	Rp 650	Rp 488	Rp 325	Rp 163	Rp -	Rp 2.306	Rp 2.188	Rp 2.069	Rp 1.950	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		7	7	7	7	6	6	6	6	7	7	7	7	
Schedule Receipts														
Project On Hand	78	72	65	59	52	46	40	33	27	20	14	7	0	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 1.788	Rp 1.625	Rp 1.463	Rp 1.300	Rp 1.144	Rp 988	Rp 831	Rp 675	Rp 506	Rp 338	Rp 169	Rp -	
Total Biaya													Rp 236.875	

• Lot Size POQ Umar AirKu Cup

Umar														
POQ (Interval = 3)														
Safety Stock	20	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 38										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		168	168	168	168	310	310	310	310	318	318	318	318	
Schedule Receipts														
Project On Hand	0	337	168	0	621	310	0	629	318	0	637	318	0	
Net Requirements		188	0	20	188	0	20	330	0	20	338	0	20	
Planned Order Receipts		505	0	0	789	0	0	939	0	0	955	0	0	
Planned Order Release		505	0	0	789	0	0	939	0	0	955	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp12.787	Rp 6.394	Rp -	Rp23.579	Rp11.790	Rp -	Rp23.883	Rp12.094	Rp -	Rp24.187	Rp12.094	Rp -	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		401	401	401	401	308	308	308	308	369	369	369	369	
Schedule Receipts														
Project On Hand	0	802	401	0	617	308	0	677	369	0	737	369	0	
Net Requirements		421	0	20	421	0	20	328	0	20	389	0	20	
Planned Order Receipts		1202	0	0	1017	0	0	985	0	0	1106	0	0	
Planned Order Release		1202	0	0	1017	0	0	985	0	0	1106	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp30.457	Rp15.229	Rp -	Rp23.427	Rp11.714	Rp -	Rp25.717	Rp14.003	Rp -	Rp28.006	Rp14.003	Rp -	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		424	424	424	424	363	363	363	363	349	349	349	349	
Schedule Receipts														
Project On Hand	0	849	424	0	726	363	0	712	349	0	698	349	0	
Net Requirements		444	0	20	444	0	20	383	0	20	369	0	20	
Planned Order Receipts		1273	0	0	1150	0	0	1075	0	0	1046	0	0	
Planned Order Release		1273	0	0	1150	0	0	1075	0	0	1046	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp32.243	Rp16.122	Rp -	Rp27.588	Rp13.794	Rp -	Rp27.047	Rp13.253	Rp -	Rp26.505	Rp13.253	Rp -	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		380	380	380	380	334	334	334	334	277	277	277	277	16004
Schedule Receipts														0
Project On Hand	0	760	380	0	668	334	0	611	277	0	555	277	0	15944
Net Requirements		400	0	20	400	0	20	354	0	20	297	0	20	6014
Planned Order Receipts		1139	0	0	1047	0	0	945	0	0	832	0	0	16004
Planned Order Release		1139	0	0	1047	0	0	945	0	0	832	0	0	16004
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp 1.180.000
Holding Cost		Rp28.861	Rp14.431	Rp -	Rp25.365	Rp12.683	Rp -	Rp23.218	Rp10.536	Rp -	Rp21.071	Rp10.536	Rp -	Rp 605.863
Total Biaya														Rp 1.785.863

• Lot Size POQ Umar AirKu Botol

Umar														
POQ (Interval = 12)														
Safety Stock	1	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 75										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		9	9	9	9	17	17	17	17	15	15	15	15	
Schedule Receipts														
Project On Hand	0	153	145	136	127	110	93	75	58	44	29	15	0	
Net Requirements		10	0	0	0	0	0	0	0	0	0	0	1	
Planned Order Receipts		162	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		162	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp11.494	Rp10.838	Rp10.181	Rp 9.525	Rp 8.231	Rp 6.938	Rp 5.644	Rp 4.350	Rp 3.263	Rp 2.175	Rp 1.088	Rp -	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		13	13	13	13	16	16	16	16	12	12	12	12	
Schedule Receipts														
Project On Hand	0	150	137	125	112	96	80	64	48	36	24	12	0	
Net Requirements		14	0	0	0	0	0	0	0	0	0	0	1	
Planned Order Receipts		162	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		162	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp11.213	Rp10.275	Rp 9.338	Rp 8.400	Rp 7.200	Rp 6.000	Rp 4.800	Rp 3.600	Rp 2.700	Rp 1.800	Rp 900	Rp -	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		10	10	10	10	10	10	10	10	13	13	13	13	
Schedule Receipts														
Project On Hand	0	121	111	102	92	82	73	63	53	40	27	13	0	
Net Requirements		11	0	0	0	0	0	0	0	0	0	0	1	
Planned Order Receipts		130	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		130	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 9.038	Rp 8.325	Rp 7.613	Rp 6.900	Rp 6.169	Rp 5.438	Rp 4.706	Rp 3.975	Rp 2.981	Rp 1.988	Rp 994	Rp -	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		21	21	21	21	14	14	14	14	20	20	20	20	671
Schedule Receipts														0
Project On Hand	0	196	175	153	132	119	105	92	78	59	39	20	0	3807
Net Requirements		22	0	0	0	0	0	0	0	0	0	0	1	60
Planned Order Receipts		217	0	0	0	0	0	0	0	0	0	0	0	671
Planned Order Release		217	0	0	0	0	0	0	0	0	0	0	0	671
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 295.000
Holding Cost		Rp14.681	Rp13.088	Rp11.494	Rp 9.900	Rp 8.888	Rp 7.875	Rp 6.863	Rp 5.850	Rp 4.388	Rp 2.925	Rp 1.463	Rp -	Rp 285.488
Total Biaya													Rp 580.488	

• Lot Size POQ Umar AirKu Galon

Umar														
POQ (Interval = 15)														
Safety Stock	2	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 25										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		28	28	28	28	10	10	10	10	26	26	26	26	
Schedule Receipts														
Project On Hand	0	293	266	238	211	200	190	180	170	143	117	91	65	
Net Requirements		30	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		321	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		321	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 7.325	Rp 6.638	Rp 5.950	Rp 5.263	Rp 5.006	Rp 4.750	Rp 4.494	Rp 4.238	Rp 3.581	Rp 2.925	Rp 2.269	Rp 1.613	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		22	22	22	22	19	19	19	19	22	22	22	22	
Schedule Receipts														
Project On Hand	65	43	22	0	339	320	302	283	265	242	220	198	176	
Net Requirements		0	0	2	24	0	0	0	0	0	0	0	0	
Planned Order Receipts		0	0	0	360	0	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	360	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 1.075	Rp 538	Rp -	Rp 8.463	Rp 8.000	Rp 7.538	Rp 7.075	Rp 6.613	Rp 6.056	Rp 5.500	Rp 4.944	Rp 4.388	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		31	31	31	31	26	26	26	26	27	27	27	27	
Schedule Receipts														
Project On Hand	176	145	114	83	53	26	0	416	390	363	336	308	281	
Net Requirements		0	0	0	0	0	2	28	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	443	0	0	0	0	0	
Planned Order Release		0	0	0	0	0	0	443	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 3.619	Rp 2.850	Rp 2.081	Rp 1.313	Rp 656	Rp -	Rp10.406	Rp 9.750	Rp 9.069	Rp 8.388	Rp 7.706	Rp 7.025	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		25	25	25	25	38	38	38	38	33	33	33	33	
Schedule Receipts														
Project On Hand	281	257	232	208	183	146	108	71	33	0	66	33	0	
Net Requirements		0	0	0	0	0	0	0	0	2	35	0	2	
Planned Order Receipts		0	0	0	0	0	0	0	0	0	99	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	0	99	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp 6.413	Rp 5.800	Rp 5.188	Rp 4.575	Rp 3.638	Rp 2.700	Rp 1.763	Rp 825	Rp -	Rp 1.650	Rp 825	Rp -	
Total Biaya													Rp 505.475	

• Lot Size POQ Joko Sendang AirKu Cup

Joko Sendang POQ (Interval = 3)														
Safety Stock	36	Set Up Cost		73750										
Lead Time	0	Holding Cost		38										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		302	302	302	302	245	245	245	245	404	404	404	404	
Schedule Receipts														
Project On Hand	0	604	302	0	489	245	0	649	404	0	809	404	0	
Net Requirements		338	0	36	338	0	36	281	0	36	440	0	36	
Planned Order Receipts		906	0	0	791	0	0	893	0	0	1213	0	0	
Planned Order Release		906	0	0	791	0	0	893	0	0	1213	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp22.952	Rp11.476	Rp -	Rp18.582	Rp 9.291	Rp -	Rp24.653	Rp15.362	Rp -	Rp30.723	Rp15.362	Rp -	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		402	402	402	402	364	364	364	364	658	658	658	658	
Schedule Receipts														
Project On Hand	0	805	402	0	727	364	0	1022	658	0	1316	658	0	
Net Requirements		438	0	36	438	0	36	400	0	36	694	0	36	
Planned Order Receipts		1207	0	0	1129	0	0	1385	0	0	1974	0	0	
Planned Order Release		1207	0	0	1129	0	0	1385	0	0	1974	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp30.571	Rp15.286	Rp -	Rp27.626	Rp13.813	Rp -	Rp38.817	Rp25.004	Rp -	Rp50.008	Rp25.004	Rp -	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		507	507	507	507	525	525	525	525	431	431	431	431	
Schedule Receipts														
Project On Hand	0	1015	507	0	1050	525	0	956	431	0	862	431	0	
Net Requirements		543	0	36	543	0	36	561	0	36	467	0	36	
Planned Order Receipts		1522	0	0	1557	0	0	1481	0	0	1293	0	0	
Planned Order Release		1522	0	0	1557	0	0	1481	0	0	1293	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp38.551	Rp19.276	Rp -	Rp39.900	Rp19.950	Rp -	Rp36.328	Rp16.378	Rp -	Rp32.756	Rp16.378	Rp -	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		367	367	367	367	504	504	504	504	257	257	257	257	
Schedule Receipts														
Project On Hand	0	735	367	0	1009	504	0	761	257	0	513	257	0	
Net Requirements		403	0	36	403	0	36	540	0	36	293	0	36	
Planned Order Receipts		1102	0	0	1376	0	0	1265	0	0	770	0	0	
Planned Order Release		1102	0	0	1376	0	0	1265	0	0	770	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp73.750	Rp -	Rp -	
Holding Cost		Rp27.911	Rp13.956	Rp -	Rp38.323	Rp19.162	Rp -	Rp28.909	Rp 9.747	Rp -	Rp19.494	Rp 9.747	Rp -	
Total Biaya													Rp 1.941.292	

• Lot Size POQ Joko Sendang AirKu Botol

Joko Sendang														
POQ (Interval = 10)														
Safety Stock	3	Set Up Cost		73750										
Lead Time	0	Holding Cost		75										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		15	15	15	15	32	32	32	32	17	17	17	17	
Schedule Receipts														
Project On Hand	0	204	189	175	160	129	97	66	34	17	0	117	100	
Net Requirements		18	0	0	0	0	0	0	0	0	3	20	0	
Planned Order Receipts		218	0	0	0	0	0	0	0	0	0	134	0	
Planned Order Release		218	0	0	0	0	0	0	0	0	0	134	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	
Holding Cost		Rp15.263	Rp14.175	Rp13.088	Rp12.000	Rp 9.638	Rp 7.275	Rp 4.913	Rp 2.550	Rp 1.275	Rp -	Rp 8.775	Rp 7.500	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		11	11	11	11	14	14	14	14	41	41	41	41	
Schedule Receipts														
Project On Hand	100	89	78	67	56	42	28	14	0	222	182	141	101	
Net Requirements		0	0	0	0	0	0	0	3	44	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	0	0	263	0	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	263	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 6.675	Rp 5.850	Rp 5.025	Rp 4.200	Rp 3.150	Rp 2.100	Rp 1.050	Rp -	Rp16.650	Rp13.613	Rp10.575	Rp 7.538	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		15	15	15	15	21	21	21	21	14	14	14	14	
Schedule Receipts														
Project On Hand	101	86	71	56	42	21	0	124	103	90	76	63	49	
Net Requirements		0	0	0	0	0	3	24	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	145	0	0	0	0	0	
Planned Order Release		0	0	0	0	0	0	145	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 6.431	Rp 5.325	Rp 4.219	Rp 3.113	Rp 1.556	Rp -	Rp 9.281	Rp 7.725	Rp 6.713	Rp 5.700	Rp 4.688	Rp 3.675	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		12	12	12	12	15	15	15	15	32	32	32	32	945
Schedule Receipts														0
Project On Hand	49	37	25	12	0	171	157	142	127	95	64	32	0	3944,5
Net Requirements		0	0	0	3	18	0	0	0	0	0	0	3	137,5
Planned Order Receipts		0	0	0	0	186	0	0	0	0	0	0	0	945
Planned Order Release		0	0	0	0	186	0	0	0	0	0	0	0	945
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 368.750
Holding Cost		Rp 2.756	Rp 1.838	Rp 919	Rp -	Rp12.844	Rp11.738	Rp10.631	Rp 9.525	Rp 7.144	Rp 4.763	Rp 2.381	Rp -	Rp 295.838
Total Biaya													Rp 664.588	

• Lot Size POQ Joko Sendang AirKu Galon

Joko Sendang														
POQ (Interval = 41)														
Safety Stock	1	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 25										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		3	3	3	3	2	2	2	2	2	2	2	2	
Schedule Receipts														
Project On Hand	0	122	120	117	114	112	110	107	105	103	101	98	96	
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		125	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		125	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 3.056	Rp 2.988	Rp 2.919	Rp 2.850	Rp 2.794	Rp 2.738	Rp 2.681	Rp 2.625	Rp 2.569	Rp 2.513	Rp 2.456	Rp 2.400	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		3	3	3	3	2	2	2	2	3	3	3	3	
Schedule Receipts														
Project On Hand	96	93	90	87	84	82	80	77	75	72	69	66	63	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 2.325	Rp 2.250	Rp 2.175	Rp 2.100	Rp 2.044	Rp 1.988	Rp 1.931	Rp 1.875	Rp 1.800	Rp 1.725	Rp 1.650	Rp 1.575	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		3	3	3	3	5	5	5	5	4	4	4	4	
Schedule Receipts														
Project On Hand	63	61	58	56	53	48	43	38	33	29	25	20	16	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 1.513	Rp 1.450	Rp 1.388	Rp 1.325	Rp 1.200	Rp 1.075	Rp 950	Rp 825	Rp 719	Rp 613	Rp 506	Rp 400	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		2	2	2	2	9	9	9	9	4	4	4	4	168
Schedule Receipts														0
Project On Hand	16	14	13	11	9	0	34	25	16	12	8	4	0	2865
Net Requirements		0	0	0	0	1	10	0	0	0	0	0	1	16
Planned Order Receipts		0	0	0	0	0	43	0	0	0	0	0	0	168
Planned Order Release		0	0	0	0	0	43	0	0	0	0	0	0	168
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 147.500
Holding Cost		Rp 356	Rp 313	Rp 269	Rp 225	Rp -	Rp 850	Rp 625	Rp 400	Rp 300	Rp 200	Rp 100	Rp -	Rp 71.625
Total Biaya													Rp 219.125	

DISTRIBUTION REQUIREMENT PLANNING

LOT SIZE FIXED PERIOD REQUIREMENT

• Lot Size FPR Aneka Usaha AirKu Cup

Aneka Usaha														
FPR (Interval = 4)														
Safety Stock	60		Set Up Cost	Rp73.750										
Lead Time	0		Holding Cost	Rp 38										
Project On Hand	0		Kapasitas Kendaraan	125										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		405	405	405	405	441	441	441	441	442	442	442	442	
Schedule Receipts														
Project On Hand	0	1221	816	412	7	1441	1001	560	119	1427	986	544	102	
Net Requirements		465				494				383				
Planned Order Receipts		1625				1875				1750				
Planned Order Release		1625				1875				1750				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp46.379	Rp31.008	Rp15.637	Rp 266	Rp54.768	Rp38.019	Rp21.271	Rp 4.522	Rp54.236	Rp37.449	Rp20.663	Rp 3.876	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		700	700	700	700	510	510	510	510	642	642	642	642	
Schedule Receipts														
Project On Hand	102	2152	1453	753	53	1543	1033	523	13	1996	1354	711	69	
Net Requirements		658				517				689				
Planned Order Receipts		2750				2000				2625				
Planned Order Release		2750				2000				2625				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp81.786	Rp55.195	Rp28.605	Rp 2.014	Rp58.634	Rp39.254	Rp19.874	Rp 494	Rp75.839	Rp51.433	Rp27.028	Rp 2.622	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		456	456	456	456	464	464	464	464	405	405	405	405	
Schedule Receipts														
Project On Hand	69	1488	1032	576	120	1407	943	480	16	1236	831	425	20	
Net Requirements		447				404				449				
Planned Order Receipts		1875				1750				1625				
Planned Order Release		1875				1750				1625				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp56.544	Rp39.216	Rp21.888	Rp 4.560	Rp53.447	Rp35.834	Rp18.221	Rp 608	Rp46.959	Rp31.559	Rp16.160	Rp 760	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		233	233	233	233	67	67	67	67	44	44	44	44	
Schedule Receipts														
Project On Hand	20	787	554	320	87	270	204	137	70	151	108	64	20	
Net Requirements		273				40				34				
Planned Order Receipts		1000				250				125				
Planned Order Release		1000				250				125				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp29.897	Rp21.033	Rp12.170	Rp 3.306	Rp10.270	Rp 7.733	Rp 5.197	Rp 2.660	Rp 5.748	Rp 4.085	Rp 2.423	Rp 760	
Total Biaya													Rp 2.086.902	

• Lot Size FPR Aneka Usaha AirKu Botol

Aneka Usaha														
FPR (Interval = 4)														
Safety Stock	8		Set Up Cost	Rp73.750										
Lead Time	0		Holding Cost	Rp 75										
Project On Hand	0		Kapasitas Kendaraan	80										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		16	16	16	16	12	12	12	12	14	14	14	14	
Schedule Receipts		65				47				55				
Project On Hand	0	64	48	31	15	83	72	60	48	114	101	87	73	
Net Requirements		24				5				0				
Planned Order Receipts		80				80				80				
Planned Order Release		80				80				80				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 4.781	Rp 3.563	Rp 2.344	Rp 1.125	Rp 6.244	Rp 5.363	Rp 4.481	Rp 3.600	Rp 8.569	Rp 7.538	Rp 6.506	Rp 5.475	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		16	16	16	16	15	15	15	15	51	51	51	51	
Schedule Receipts		64				61				202				
Project On Hand	73	57	41	25	9	74	59	43	28	218	167	117	66	
Net Requirements		0				14				31				
Planned Order Receipts		0				80				240				
Planned Order Release		0				80				240				
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 4.275	Rp 3.075	Rp 1.875	Rp 675	Rp 5.531	Rp 4.388	Rp 3.244	Rp 2.100	Rp16.313	Rp12.525	Rp 8.738	Rp 4.950	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		39	39	39	39	30	30	30	30	30	30	30	30	
Schedule Receipts		154				120				120				
Project On Hand	66	188	149	111	72	122	92	62	32	162	132	102	72	
Net Requirements		0				0				6				
Planned Order Receipts		160				80				160				
Planned Order Release		160				80				160				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp14.063	Rp11.175	Rp 8.288	Rp 5.400	Rp 9.150	Rp 6.900	Rp 4.650	Rp 2.400	Rp12.150	Rp 9.900	Rp 7.650	Rp 5.400	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		109	109	109	109	29	29	29	29	25	25	25	25	1542
Schedule Receipts		437				116				101				1542
Project On Hand	72	363	254	144	35	166	137	108	79	134	109	83	58	4661
Net Requirements		45				2				0				127
Planned Order Receipts		400				160				80				1600
Planned Order Release		400				160				80				1600
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp 811.250
Holding Cost		Rp27.206	Rp19.013	Rp10.819	Rp 2.625	Rp12.450	Rp10.275	Rp 8.100	Rp 5.925	Rp10.031	Rp 8.138	Rp 6.244	Rp 4.350	Rp 349.575
Total Biaya														Rp 1.160.825

• Lot Size FPR Aneka Usaha AirKu Galon

Aneka Usaha														
FPR (Interval = 4)														
Safety Stock	0		Set Up Cost	Rp73.750										
Lead Time	0		Holding Cost	Rp 25										
Project On Hand	0		Kapasitas Kendaraan	40										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		4	4	4	4	4	4	4	4	3	3	3	3	
Schedule Receipts		14				14				11				
Project On Hand	0	37	33	30	26	23	19	16	12	9	7	4	1	
Net Requirements		4				-23				-9				
Planned Order Receipts		40				0				0				
Planned Order Release		40				0				0				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 913	Rp 825	Rp 738	Rp 650	Rp 563	Rp 475	Rp 388	Rp 300	Rp 231	Rp 163	Rp 94	Rp 25	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		4	4	4	4	7	7	7	7	2	2	2	2	
Schedule Receipts		17				27				9				
Project On Hand	1	37	33	28	24	57	51	44	37	35	33	30	28	
Net Requirements		3				-17				-35				
Planned Order Receipts		40				40				0				
Planned Order Release		40				40				0				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 919	Rp 813	Rp 706	Rp 600	Rp 1.431	Rp 1.263	Rp 1.094	Rp 925	Rp 869	Rp 813	Rp 756	Rp 700	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		3	3	3	3	3	3	3	3	5	5	5	5	
Schedule Receipts		12				12				18				
Project On Hand	28	25	22	19	16	13	10	7	4	40	35	31	26	
Net Requirements		-25				-13				1				
Planned Order Receipts		0				0				40				
Planned Order Release		0				0				40				
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 625	Rp 550	Rp 475	Rp 400	Rp 325	Rp 250	Rp 175	Rp 100	Rp 988	Rp 875	Rp 763	Rp 650	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		3	3	3	3	5	5	5	5	3	3	3	3	174
Schedule Receipts		11				18				11				174
Project On Hand	26	23	21	18	15	51	46	42	37	34	32	29	26	1269
Net Requirements		-23				-11				-34				-183
Planned Order Receipts		0				40				0				200
Planned Order Release		0				40				0				200
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 368.750
Holding Cost		Rp 581	Rp 513	Rp 444	Rp 375	Rp 1.263	Rp 1.150	Rp 1.038	Rp 925	Rp 856	Rp 788	Rp 719	Rp 650	Rp 31.725
Total Biaya														Rp 400.475

• Lot Size FPR Kantor Pos AirKu Cup

Kantor Pos														
FPR (Interval = 4)														
Safety Stock	17		Set Up Cost	Rp73.750										
Lead Time	0		Holding Cost	Rp 38										
Project On Hand	0		Kapasitas Kendaraan	125										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		55	55	55	55	50	50	50	50	30	30	30	30	
Schedule Receipts		220				201				118				
Project On Hand	0	195	140	85	30	230	180	129	79	175	145	116	86	
Net Requirements		72				37				0				
Planned Order Receipts		250				250				125				
Planned Order Release		250				250				125				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 7.410	Rp 5.320	Rp 3.230	Rp 1.140	Rp 8.731	Rp 6.821	Rp 4.912	Rp 3.002	Rp 6.631	Rp 5.510	Rp 4.389	Rp 3.268	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		43	43	43	43	121	121	121	121	133	133	133	133	
Schedule Receipts		172				485				532				
Project On Hand	86	168	125	82	39	418	297	175	54	421	288	155	22	
Net Requirements		0				99				96				
Planned Order Receipts		125				500				500				
Planned Order Release		125				500				500				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 6.384	Rp 4.750	Rp 3.116	Rp 1.482	Rp15.875	Rp11.267	Rp 6.660	Rp 2.052	Rp15.998	Rp10.944	Rp 5.890	Rp 836	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		63	63	63	63	106	106	106	106	63	63	63	63	
Schedule Receipts		252				424				252				
Project On Hand	22	209	146	83	20	414	308	202	96	283	220	157	94	
Net Requirements		58				103				0				
Planned Order Receipts		250				500				250				
Planned Order Release		250				500				250				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 7.942	Rp 5.548	Rp 3.154	Rp 760	Rp15.732	Rp11.704	Rp 7.676	Rp 3.648	Rp10.754	Rp 8.360	Rp 5.966	Rp 3.572	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		78	78	78	78	105	105	105	105	63	63	63	63	3638
Schedule Receipts		312				420				250				3638
Project On Hand	94	266	188	110	32	427	322	217	112	300	237	175	112	8561
Net Requirements		1				90				0				557
Planned Order Receipts		250				500				250				3750
Planned Order Release		250				500				250				3750
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp 885.000
Holding Cost		Rp10.108	Rp 7.144	Rp 4.180	Rp 1.216	Rp16.226	Rp12.236	Rp 8.246	Rp 4.256	Rp11.381	Rp 9.006	Rp 6.631	Rp 4.256	Rp 325.318
Total Biaya														Rp 1.210.318

• Lot Size FPR Kantor Pos AirKu Botol

Kantor Pos														
FPR (Interval = 4)														
Safety Stock	1		Set Up Cost	Rp73.750										
Lead Time	0		Holding Cost	Rp 75										
Project On Hand	0		Kapasitas Kendaraan	80										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		3	3	3	3	3	3	3	3	6	6	6	6	
Schedule Receipts		12				10				25				
Project On Hand	0	77	74	71	68	66	63	61	58	52	46	39	33	
Net Requirements		4				0				0				
Planned Order Receipts		80				0				0				
Planned Order Release		80				0				0				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 4.781	Rp 3.563	Rp 2.344	Rp 1.125	Rp 6.244	Rp 5.363	Rp 4.481	Rp 3.600	Rp 8.569	Rp 7.538	Rp 6.506	Rp 5.475	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		4	4	4	4	6	6	6	6	3	3	3	3	
Schedule Receipts		15				25				11				
Project On Hand	33	29	26	22	18	92	86	79	73	70	68	65	62	
Net Requirements		0				0				0				
Planned Order Receipts		0				80				0				
Planned Order Release		0				80				0				
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 4.275	Rp 3.075	Rp 1.875	Rp 675	Rp 5.531	Rp 4.388	Rp 3.244	Rp 2.100	Rp16.313	Rp12.525	Rp 8.738	Rp 4.950	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		5	5	5	5	5	5	5	5	3	3	3	3	
Schedule Receipts		19				18				10				
Project On Hand	62	57	53	48	43	39	34	30	25	23	20	18	15	
Net Requirements		0				0				0				
Planned Order Receipts		0				0				0				
Planned Order Release		0				0				0				
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp14.063	Rp11.175	Rp 8.288	Rp 5.400	Rp 9.150	Rp 6.900	Rp 4.650	Rp 2.400	Rp12.150	Rp 9.900	Rp 7.650	Rp 5.400	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		1	1	1	1	2	2	2	2	6	6	6	6	177
Schedule Receipts		4				6				22				177
Project On Hand	15	14	13	12	11	10	8	7	5	80	74	69	63	2162
Net Requirements		0				0				2				6
Planned Order Receipts		0				0				80				240
Planned Order Release		0				0				80				240
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp 221.250
Holding Cost		Rp27.206	Rp19.013	Rp10.819	Rp 2.625	Rp12.450	Rp10.275	Rp 8.100	Rp 5.925	Rp10.031	Rp 8.138	Rp 6.244	Rp 4.350	Rp 349.575
Total Biaya													Rp 570.825	

• Lot Size FPR Kantor Pos AirKu Galon

Kantor Pos														
FPR (Interval =4)														
Safety Stock	0		Set Up Cost	Rp73.750										
Lead Time	0		Holding Cost	Rp 25										
Project On Hand	0		Kapasitas Kendaraan	40										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		4	4	4	4	6	6	6	6	6	6	6	6	
Schedule Receipts		17				24				25				
Project On Hand	0	36	32	27	23	57	51	45	39	33	27	20	14	
Net Requirements		4				-17				-33				
Planned Order Receipts		40				40				0				
Planned Order Release		40				40				0				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 913	Rp 825	Rp 738	Rp 650	Rp 563	Rp 475	Rp 388	Rp 300	Rp 231	Rp 163	Rp 94	Rp 25	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		6	6	6	6	5	5	5	5	6	6	6	6	
Schedule Receipts		22				21				24				
Project On Hand	14	49	43	38	32	27	22	16	11	45	39	33	27	
Net Requirements		-9				-27				-5				
Planned Order Receipts		40				0				40				
Planned Order Release		40				0				40				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 919	Rp 813	Rp 706	Rp 600	Rp 1.431	Rp 1.263	Rp 1.094	Rp 925	Rp 869	Rp 813	Rp 756	Rp 700	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		5	5	5	5	7	7	7	7	5	5	5	5	
Schedule Receipts		18				26				19				
Project On Hand	27	23	18	14	9	43	36	30	23	18	14	9	4	
Net Requirements		-23				-3				-18				
Planned Order Receipts		0				40				0				
Planned Order Release		0				40				0				
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 625	Rp 550	Rp 475	Rp 400	Rp 325	Rp 250	Rp 175	Rp 100	Rp 988	Rp 875	Rp 763	Rp 650	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		7	7	7	7	6	6	6	6	7	7	7	7	
Schedule Receipts		26				25				27				
Project On Hand	4	38	31	25	18	52	46	39	33	26	20	13	6	
Net Requirements		3				-12				-26				
Planned Order Receipts		40				40				0				
Planned Order Release		40				40				0				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 581	Rp 513	Rp 444	Rp 375	Rp 1.263	Rp 1.150	Rp 1.038	Rp 925	Rp 856	Rp 788	Rp 719	Rp 650	
Total Biaya													Rp 547.975	

• Lot Size FPR Umar AirKu Cup

Umar														
FPR (Interval = 4)														
Safety Stock	20	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 38										
Project On Hand	0	Kapasitas Kendaraan		125										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		168	168	168	168	310	310	310	310	318	318	318	318	
Schedule Receipts		673				1241				1273				
Project On Hand	0	582	414	245	77	1017	707	396	86	1018	700	381	63	
Net Requirements		188				253				252				
Planned Order Receipts		750				1250				1250				
Planned Order Release		750				1250				1250				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp22.107	Rp15.713	Rp9.320	Rp2.926	Rp38.637	Rp26.847	Rp15.058	Rp3.268	Rp38.675	Rp26.581	Rp14.488	Rp2.394	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		401	401	401	401	308	308	308	308	369	369	369	369	
Schedule Receipts		1603				1233				1474				
Project On Hand	63	1287	887	486	85	1027	719	410	102	1109	740	372	3	
Net Requirements		358				243				287				
Planned Order Receipts		1625				1250				1375				
Planned Order Release		1625				1250				1375				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp48.916	Rp33.687	Rp18.459	Rp3.230	Rp39.017	Rp27.303	Rp15.590	Rp3.876	Rp42.123	Rp28.120	Rp14.117	Rp114	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		424	424	424	424	363	363	363	363	349	349	349	349	
Schedule Receipts		1697				1452				1395				
Project On Hand	3	1329	905	480	56	1193	830	467	104	1130	782	433	84	
Net Requirements		441				327				265				
Planned Order Receipts		1750				1500				1375				
Planned Order Release		1750				1500				1375				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp50.493	Rp34.371	Rp18.250	Rp2.128	Rp45.334	Rp31.540	Rp17.746	Rp3.952	Rp42.950	Rp29.697	Rp16.445	Rp3.192	
	Past Due	Period												
		37	38	39	40	41	42	43	44	45	46	47	48	Total
Gross Requirement		380	380	380	380	334	334	334	334	277	277	277	277	16004
Schedule Receipts		1519				1335				1109				16004
Project On Hand	84	1204	825	445	65	1106	773	439	105	953	676	398	121	27810
Net Requirements		316				289				192				3411
Planned Order Receipts		1500				1375				1125				16125
Planned Order Release		1500				1375				1125				16125
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp 885.000
Holding Cost		Rp45.762	Rp31.331	Rp16.901	Rp2.470	Rp42.038	Rp29.355	Rp16.673	Rp3.990	Rp36.205	Rp25.669	Rp15.134	Rp4.598	Rp 1.056.780
Total Biaya														
													Rp1.941.780	

• Lot Size FPR Umar AirKu Botol

Umar														
FPR (Interval = 4)														
Safety Stock	1	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 75										
Project On Hand	0	Kapasitas Kendaraan		80										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		9	9	9	9	17	17	17	17	15	15	15	15	
Schedule Receipts		35				69				58				
Project On Hand	0	71	63	54	45	108	91	73	56	122	107	93	78	
Net Requirements		10				-27				-41				
Planned Order Receipts		80				80				80				
Planned Order Release		80				80				80				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 4.781	Rp 3.563	Rp 2.344	Rp 1.125	Rp 6.244	Rp 5.363	Rp 4.481	Rp 3.600	Rp 8.569	Rp 7.538	Rp 6.506	Rp 5.475	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		13	13	13	13	16	16	16	16	12	12	12	12	
Schedule Receipts		50				64				48				
Project On Hand	78	66	53	41	28	92	76	60	44	112	100	88	76	
Net Requirements		-65				-11				-31				
Planned Order Receipts		0				80				80				
Planned Order Release		0				80				80				
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 4.275	Rp 3.075	Rp 1.875	Rp 675	Rp 5.531	Rp 4.388	Rp 3.244	Rp 2.100	Rp16.313	Rp12.525	Rp 8.738	Rp 4.950	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		10	10	10	10	10	10	10	10	13	13	13	13	
Schedule Receipts		38				39				53				
Project On Hand	76	67	57	48	38	108	99	89	79	66	53	39	26	
Net Requirements		-66				-27				-65				
Planned Order Receipts		0				80				0				
Planned Order Release		0				80				0				
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp14.063	Rp11.175	Rp 8.288	Rp 5.400	Rp 9.150	Rp 6.900	Rp 4.650	Rp 2.400	Rp12.150	Rp 9.900	Rp 7.650	Rp 5.400	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		21	21	21	21	14	14	14	14	20	20	20	20	671
Schedule Receipts		85				54				78				671
Project On Hand	26	85	64	42	21	88	74	61	47	108	88	69	49	3355
Net Requirements		-4				-7				-27				-358
Planned Order Receipts		80				80				80				720
Planned Order Release		80				80				80				720
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp 663.750
Holding Cost		Rp27.206	Rp19.013	Rp10.819	Rp 2.625	Rp12.450	Rp10.275	Rp 8.100	Rp 5.925	Rp10.031	Rp 8.138	Rp 6.244	Rp 4.350	Rp 349.575
Total Biaya														Rp 1.013.325

• Lot Size FPR Umar AirKu Galon

Umar														
FPR (Interval = 4)														
Safety Stock	2	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 25										
Project On Hand	0	Kapasitas Kendaraan		40										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		28	28	28	28	10	10	10	10	26	26	26	26	
Schedule Receipts		110				41				105				
Project On Hand	0	93	65	38	10	40	30	19	9	103	77	50	24	
Net Requirements		30				2				19				
Planned Order Receipts		120				40				120				
Planned Order Release		120				40				120				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 913	Rp 825	Rp 738	Rp 650	Rp 563	Rp 475	Rp 388	Rp 300	Rp 231	Rp 163	Rp 94	Rp 25	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		22	22	22	22	19	19	19	19	22	22	22	22	
Schedule Receipts		86				74				89				
Project On Hand	24	83	61	40	18	80	61	43	24	82	60	37	15	
Net Requirements		-1				3				0				
Planned Order Receipts		80				80				80				
Planned Order Release		80				80				80				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 919	Rp 813	Rp 706	Rp 600	Rp 1.431	Rp 1.263	Rp 1.094	Rp 925	Rp 869	Rp 813	Rp 756	Rp 700	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		31	31	31	31	26	26	26	26	27	27	27	27	
Schedule Receipts		123				105				109				
Project On Hand	15	104	74	43	12	106	80	53	27	120	93	65	38	
Net Requirements		18				16				2				
Planned Order Receipts		120				120				120				
Planned Order Release		120				120				120				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 625	Rp 550	Rp 475	Rp 400	Rp 325	Rp 250	Rp 175	Rp 100	Rp 988	Rp 875	Rp 763	Rp 650	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		25	25	25	25	38	38	38	38	33	33	33	33	1222
Schedule Receipts		98				150				132				1222
Project On Hand	38	94	69	45	20	143	105	68	30	117	84	51	18	2813
Net Requirements		-12				20				5				103
Planned Order Receipts		80				160				120				1240
Planned Order Release		80				160				120				1240
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp 885.000
Holding Cost		Rp 581	Rp 513	Rp 444	Rp 375	Rp 1.263	Rp 1.150	Rp 1.038	Rp 925	Rp 856	Rp 788	Rp 719	Rp 650	Rp 31.725
Total Biaya														Rp 916.725

• Lot Size FPR Joko Sendang AirKu Cup

Joko Sendang														
FPR (Interval = 4)														
Safety Stock	36	Set Up Cost		73750										
Lead Time	0	Holding Cost		38										
Project On Hand	0	Kapasitas Kendaraan		125										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		302	302	302	302	245	245	245	245	404	404	404	404	
Schedule Receipts		1208				978				1617				
Project On Hand	0	948	646	344	42	798	553	309	64	1285	881	476	72	
Net Requirements		338				239				376				
Planned Order Receipts		1250				1000				1625				
Planned Order Release		1250				1000				1625				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp36.024	Rp24.548	Rp13.072	Rp 1.596	Rp30.305	Rp21.014	Rp11.723	Rp 2.432	Rp48.821	Rp33.459	Rp18.098	Rp 2.736	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		402	402	402	402	364	364	364	364	658	658	658	658	
Schedule Receipts		1609				1454				2632				
Project On Hand	72	1295	893	490	88	1100	736	373	9	1976	1318	660	2	
Net Requirements		366				312				685				
Planned Order Receipts		1625				1375				2625				
Planned Order Release		1625				1375				2625				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp49.201	Rp33.915	Rp18.630	Rp 3.344	Rp41.781	Rp27.968	Rp14.155	Rp 342	Rp75.088	Rp50.084	Rp25.080	Rp 76	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		507	507	507	507	525	525	525	525	431	431	431	431	
Schedule Receipts		2029				2100				1724				
Project On Hand	2	1620	1113	605	98	1698	1173	648	123	1317	886	455	24	
Net Requirements		541				463				344				
Planned Order Receipts		2125				2125				1625				
Planned Order Release		2125				2125				1625				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp61.551	Rp42.275	Rp23.000	Rp 3.724	Rp64.524	Rp44.574	Rp24.624	Rp 4.674	Rp50.046	Rp33.668	Rp17.290	Rp 912	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		367	367	367	367	504	504	504	504	257	257	257	257	19863
Schedule Receipts		1469				2017				1026				19863
Project On Hand	24	1157	790	422	55	1551	1047	542	38	782	525	269	12	32303
Net Requirements		379				485				255				4783
Planned Order Receipts		1500				2000				1000				19875
Planned Order Release		1500				2000				1000				19875
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp 885.000
Holding Cost		Rp43.957	Rp30.001	Rp16.046	Rp 2.090	Rp58.929	Rp39.767	Rp20.606	Rp 1.444	Rp29.697	Rp19.950	Rp10.203	Rp 456	Rp 1.227.495
Total Biaya														Rp 2.112.495

• Lot Size FPR Joko Sendang AirKu Botol

Joko Sendang													
FPR (Interval = 4)													
Safety Stock	3	Set Up Cost		73750									
Lead Time	0	Holding Cost		75									
Project On Hand	0	Kapasitas Kendaraan		80									
	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		15	15	15	15	32	32	32	32	17	17	17	17
Schedule Receipts		58				126				68			
Project On Hand	0	66	51	37	22	151	119	88	56	119	102	85	68
Net Requirements		18				13				-36			
Planned Order Receipts		80				160				80			
Planned Order Release		80				160				80			
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -
Holding Cost		Rp 4.781	Rp 3.563	Rp 2.344	Rp 1.125	Rp 6.244	Rp 5.363	Rp 4.481	Rp 3.600	Rp 8.569	Rp 7.538	Rp 6.506	Rp 5.475
	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		11	11	11	11	14	14	14	14	41	41	41	41
Schedule Receipts		44				56				162			
Project On Hand	68	57	46	35	24	90	76	62	48	168	127	87	46
Net Requirements		-54				-7				-5			
Planned Order Receipts		0				80				160			
Planned Order Release		0				80				160			
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -
Holding Cost		Rp 4.275	Rp 3.075	Rp 1.875	Rp 675	Rp 5.531	Rp 4.388	Rp 3.244	Rp 2.100	Rp16.313	Rp12.525	Rp 8.738	Rp 4.950
	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		15	15	15	15	21	21	21	21	14	14	14	14
Schedule Receipts		59				83				54			
Project On Hand	46	111	97	82	67	126	106	85	64	51	37	24	10
Net Requirements		-28				-43				-48			
Planned Order Receipts		80				80				0			
Planned Order Release		80				80				0			
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp14.063	Rp11.175	Rp 8.288	Rp 5.400	Rp 9.150	Rp 6.900	Rp 4.650	Rp 2.400	Rp12.150	Rp 9.900	Rp 7.650	Rp 5.400
	Past Due	Period											
		37	38	39	40	41	42	43	44	45	46	47	48
Gross Requirement		12	12	12	12	15	15	15	15	32	32	32	32
Schedule Receipts		49				59				127			
Project On Hand	10	78	66	53	41	106	92	77	62	110	79	47	15
Net Requirements		5,25				-23				-27,25			
Planned Order Receipts		80				80				80			
Planned Order Release		80				80				80			
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -
Holding Cost		Rp27.206	Rp19.013	Rp10.819	Rp 2.625	Rp12.450	Rp10.275	Rp 8.100	Rp 5.925	Rp10.031	Rp 8.138	Rp 6.244	Rp 4.350
Total Biaya													Rp 1.087.075

• Lot Size FPR Joko Sendang AirKu Galon

Joko Sendang														
FPR (Interval = 4)														
Safety Stock	1	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 25										
Project On Hand	0	Kapasitas Kendaraan		40										
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		3	3	3	3	2	2	2	2	2	2	2	2	
Schedule Receipts		11				9				9				
Project On Hand	0	37	35	32	29	27	25	22	20	18	16	13	11	
Net Requirements		4				-26				-17				
Planned Order Receipts		40				0				0				
Planned Order Release		40				0				0				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 913	Rp 825	Rp 738	Rp 650	Rp 563	Rp 475	Rp 388	Rp 300	Rp 231	Rp 163	Rp 94	Rp 25	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		3	3	3	3	2	2	2	2	3	3	3	3	
Schedule Receipts		12				9				12				
Project On Hand	11	48	45	42	39	37	35	32	30	27	24	21	18	
Net Requirements		-7				-36				-26				
Planned Order Receipts		40				0				0				
Planned Order Release		40				0				0				
Set Up Cost		Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 919	Rp 813	Rp 706	Rp 600	Rp 1.431	Rp 1.263	Rp 1.094	Rp 925	Rp 869	Rp 813	Rp 756	Rp 700	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		3	3	3	3	5	5	5	5	4	4	4	4	
Schedule Receipts		10				20				17				
Project On Hand	18	16	13	11	8	43	38	33	28	24	20	15	11	
Net Requirements		-15				-2				-23				
Planned Order Receipts		0				40				0				
Planned Order Release		0				40				0				
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 625	Rp 550	Rp 475	Rp 400	Rp 325	Rp 250	Rp 175	Rp 100	Rp 988	Rp 875	Rp 763	Rp 650	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		2	2	2	2	9	9	9	9	4	4	4	4	168
Schedule Receipts		7				36				16				168
Project On Hand	11	9	8	6	4	35	26	17	8	44	40	36	32	1204
Net Requirements		-8				6				-3				-152
Planned Order Receipts		0				40				40				200
Planned Order Release		0				40				40				200
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp73.750	Rp -	Rp -	Rp -	Rp 368.750
Holding Cost		Rp 581	Rp 513	Rp 444	Rp 375	Rp 1.263	Rp 1.150	Rp 1.038	Rp 925	Rp 856	Rp 788	Rp 719	Rp 650	Rp 31.725
Total Biaya														Rp 400.475

DISTRIBUTION REQUIREMENT PLANNING

LOT SIZE LOT FOR LOT

• Lot Size LFL Aneka Usaha AirKu Cup

Aneka Usaha														
LFL (Interval = 1)														
Safety Stock	60		Set Up Cost	Rp73.750										
Lead Time	0		Holding Cost	Rp 38										
Project On Hand	0													
		Period												
Past Due		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		405	405	405	405	441	441	441	441	442	442	442	442	
Schedule Receipts														
Project On Hand	0	60	60	60	60	60	60	60	60	60	60	60	60	
Net Requirements		465	405	405	405	441	441	441	441	442	442	442	442	
Planned Order Receipts		465	405	405	405	441	441	441	441	442	442	442	442	
Planned Order Release		465	405	405	405	441	441	441	441	442	442	442	442	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	
		Period												
Past Due		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		700	700	700	700	510	510	510	510	642	642	642	642	
Schedule Receipts														
Project On Hand	60	60	60	60	60	60	60	60	60	60	60	60	60	
Net Requirements		700	700	700	700	510	510	510	510	642	642	642	642	
Planned Order Receipts		700	700	700	700	510	510	510	510	642	642	642	642	
Planned Order Release		700	700	700	700	510	510	510	510	642	642	642	642	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	
		Period												
Past Due		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		456	456	456	456	464	464	464	464	405	405	405	405	
Schedule Receipts														
Project On Hand	60	60	60	60	60	60	60	60	60	60	60	60	60	
Net Requirements		456	456	456	456	464	464	464	464	405	405	405	405	
Planned Order Receipts		456	456	456	456	464	464	464	464	405	405	405	405	
Planned Order Release		456	456	456	456	464	464	464	464	405	405	405	405	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	
		Period												Total
Past Due		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		233	233	233	233	67	67	67	67	44	44	44	44	19230
Schedule Receipts														0
Project On Hand	60	60	60	60	60	60	60	60	60	16	60	16	60	2793
Net Requirements		233	233	233	233	67	67	67	67	44	88	44	88	19378
Planned Order Receipts		233	233	233	233	67	67	67	67	44	88	44	88	19378
Planned Order Release		233	233	233	233	67	67	67	67	44	88	44	88	19378
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 2.280	Rp 618	Rp 2.280	Rp 618	Rp 2.280	Rp 106.115
Total Biaya													Rp 3.646.115	

• Lot Size LFL Aneka Usaha AirKu Botol

Aneka Usaha														
LFL (Interval = 1)														
Safety Stock	8		Set Up Cost	Rp73.750										
Lead Time	0		Holding Cost	Rp 75										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		16	16	16	16	12	12	12	12	14	14	14	14	
Schedule Receipts														
Project On Hand	0	8	8	8	8	8	8	8	8	8	8	8	8	
Net Requirements		24	16	16	16	12	12	12	12	14	14	14	14	
Planned Order Receipts		24	16	16	16	12	12	12	12	14	14	14	14	
Planned Order Release		24	16	16	16	12	12	12	12	14	14	14	14	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		16	16	16	16	15	15	15	15	51	51	51	51	
Schedule Receipts														
Project On Hand	8	8	8	8	8	8	8	8	8	8	8	8	8	
Net Requirements		16	16	16	16	15	15	15	15	51	51	51	51	
Planned Order Receipts		16	16	16	16	15	15	15	15	51	51	51	51	
Planned Order Release		16	16	16	16	15	15	15	15	51	51	51	51	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		39	39	39	39	30	30	30	30	30	30	30	30	
Schedule Receipts														
Project On Hand	8	8	8	8	8	8	8	8	8	8	8	8	8	
Net Requirements		39	39	39	39	30	30	30	30	30	30	30	30	
Planned Order Receipts		39	39	39	39	30	30	30	30	30	30	30	30	
Planned Order Release		39	39	39	39	30	30	30	30	30	30	30	30	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		109	109	109	109	29	29	29	29	25	25	25	25	1542
Schedule Receipts														0
Project On Hand	8	8	8	8	8	8	8	8	8	8	8	8	8	384
Net Requirements		109	109	109	109	29	29	29	29	25	25	25	25	1550
Planned Order Receipts		109	109	109	109	29	29	29	29	25	25	25	25	1550
Planned Order Release		109	109	109	109	29	29	29	29	25	25	25	25	1550
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 28.800
Total Biaya													Rp 3.568.800	

• Lot Size LFL Aneka Usaha AirKu Galon

Aneka Usaha														
LFL (Interval = 1)														
Safety Stock	0	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 25										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		4	4	4	4	4	4	4	4	3	3	3	3	
Schedule Receipts														
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		4	4	4	4	4	4	4	4	3	3	3	3	
Planned Order Receipts		4	4	4	4	4	4	4	4	3	3	3	3	
Planned Order Release		4	4	4	4	4	4	4	4	3	3	3	3	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		4	4	4	4	7	7	7	7	2	2	2	2	
Schedule Receipts														
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		4	4	4	4	7	7	7	7	2	2	2	2	
Planned Order Receipts		4	4	4	4	7	7	7	7	2	2	2	2	
Planned Order Release		4	4	4	4	7	7	7	7	2	2	2	2	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		3	3	3	3	3	3	3	3	5	5	5	5	
Schedule Receipts														
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		3	3	3	3	3	3	3	3	5	5	5	5	
Planned Order Receipts		3	3	3	3	3	3	3	3	5	5	5	5	
Planned Order Release		3	3	3	3	3	3	3	3	5	5	5	5	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		3	3	3	3	5	5	5	5	3	3	3	3	174
Schedule Receipts														0
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Requirements		3	3	3	3	5	5	5	5	3	3	3	3	174
Planned Order Receipts		3	3	3	3	5	5	5	5	3	3	3	3	174
Planned Order Release		3	3	3	3	5	5	5	5	3	3	3	3	174
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Total Biaya														Rp 3.540.000

• Lot Size LFL Kantor Pos AirKu Cup

Kantor Pos														
LFL (Interval = 1)														
Safety Stock	17		Set Up Cost	Rp73.750										
Lead Time	0		Holding Cost	Rp 38										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		55	55	55	55	50	50	50	50	30	30	30	30	
Schedule Receipts														
Project On Hand	0	17	17	17	17	17	17	17	17	17	17	17	17	
Net Requirements		72	55	55	55	50	50	50	50	30	30	30	30	
Planned Order Receipts		72	55	55	55	50	50	50	50	30	30	30	30	
Planned Order Release		72	55	55	55	50	50	50	50	30	30	30	30	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		43	43	43	43	121	121	121	121	133	133	133	133	
Schedule Receipts														
Project On Hand	17	17	17	17	17	17	17	17	17	17	17	17	17	
Net Requirements		43	43	43	43	121	121	121	121	133	133	133	133	
Planned Order Receipts		43	43	43	43	121	121	121	121	133	133	133	133	
Planned Order Release		43	43	43	43	121	121	121	121	133	133	133	133	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		63	63	63	63	106	106	106	106	63	63	63	63	
Schedule Receipts														
Project On Hand	17	17	17	17	17	17	17	17	17	17	17	17	17	
Net Requirements		63	63	63	63	106	106	106	106	63	63	63	63	
Planned Order Receipts		63	63	63	63	106	106	106	106	63	63	63	63	
Planned Order Release		63	63	63	63	106	106	106	106	63	63	63	63	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		78	78	78	78	105	105	105	105	63	63	63	63	3638
Schedule Receipts														0
Project On Hand	17	17	17	17	17	17	17	17	17	17	17	17	17	816
Net Requirements		78	78	78	78	105	105	105	105	63	63	63	63	3655
Planned Order Receipts		78	78	78	78	105	105	105	105	63	63	63	63	3655
Planned Order Release		78	78	78	78	105	105	105	105	63	63	63	63	3655
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 646	Rp 31.008
Total Biaya													Rp 3.571.008	

• Lot Size LFL Kantor Pos AirKu Botol

Kantor Pos														
LFL (Interval = 1)														
Safety Stock	1	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 75										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		3	3	3	3	3	3	3	3	6	6	6	6	
Schedule Receipts														
Project On Hand	0	1	1	1	1	1	1	1	1	1	1	1	1	
Net Requirements		4	3	3	3	3	3	3	3	6	6	6	6	
Planned Order Receipts		4	3	3	3	3	3	3	3	6	6	6	6	
Planned Order Release		4	3	3	3	3	3	3	3	6	6	6	6	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		4	4	4	4	6	6	6	6	3	3	3	3	
Schedule Receipts														
Project On Hand	1	1	1	1	1	1	1	1	1	1	1	1	1	
Net Requirements		4	4	4	4	6	6	6	6	3	3	3	3	
Planned Order Receipts		4	4	4	4	6	6	6	6	3	3	3	3	
Planned Order Release		4	4	4	4	6	6	6	6	3	3	3	3	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		5	5	5	5	5	5	5	5	3	3	3	3	
Schedule Receipts														
Project On Hand	1	1	1	1	1	1	1	1	1	1	1	1	1	
Net Requirements		5	5	5	5	5	5	5	5	3	3	3	3	
Planned Order Receipts		5	5	5	5	5	5	5	5	3	3	3	3	
Planned Order Release		5	5	5	5	5	5	5	5	3	3	3	3	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		1	1	1	1	2	2	2	2	6	6	6	6	177
Schedule Receipts														0
Project On Hand	1	1	1	1	1	1	1	1	1	1	1	1	1	48
Net Requirements		1	2	1	2	2	2	2	2	6	6	6	6	180
Planned Order Receipts		1	2	1	2	2	2	2	2	6	6	6	6	180
Planned Order Release		1	2	1	2	2	2	2	2	6	6	6	6	180
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 28.800
Total Biaya													Rp 3.568.800	

• Lot Size LFL Kantor Pos AirKu Galon

Kantor Pos														
LFL (Interval = 1)														
Safety Stock	0	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 25										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		4	4	4	4	6	6	6	6	6	6	6	6	
Schedule Receipts														
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		4	4	4	4	6	6	6	6	6	6	6	6	
Planned Order Receipts		4	4	4	4	6	6	6	6	6	6	6	6	
Planned Order Release		4	4	4	4	6	6	6	6	6	6	6	6	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		6	6	6	6	5	5	5	5	6	6	6	6	
Schedule Receipts														
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		6	6	6	6	5	5	5	5	6	6	6	6	
Planned Order Receipts		6	6	6	6	5	5	5	5	6	6	6	6	
Planned Order Release		6	6	6	6	5	5	5	5	6	6	6	6	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		5	5	5	5	7	7	7	7	5	5	5	5	
Schedule Receipts														
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		5	5	5	5	7	7	7	7	5	5	5	5	
Planned Order Receipts		5	5	5	5	7	7	7	7	5	5	5	5	
Planned Order Release		5	5	5	5	7	7	7	7	5	5	5	5	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		7	7	7	7	6	6	6	6	7	7	7	7	
Schedule Receipts														
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		7	7	7	7	6	6	6	6	7	7	7	7	
Planned Order Receipts		7	7	7	7	6	6	6	6	7	7	7	7	
Planned Order Release		7	7	7	7	6	6	6	6	7	7	7	7	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Total Biaya													Rp 3.540.000	

• Lot Size LFL Umar AirKu Cup

Umar														
LFL (Interval = 1)														
Safety Stock	20	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 38										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		168	168	168	168	310	310	310	310	318	318	318	318	
Schedule Receipts														
Project On Hand	0	20	20	20	20	20	20	20	20	20	20	20	20	
Net Requirements		188	168	168	168	310	310	310	310	318	318	318	318	
Planned Order Receipts		188	168	168	168	310	310	310	310	318	318	318	318	
Planned Order Release		188	168	168	168	310	310	310	310	318	318	318	318	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		401	401	401	401	308	308	308	308	369	369	369	369	
Schedule Receipts														
Project On Hand	20	20	20	20	20	20	20	20	20	20	20	20	20	
Net Requirements		401	401	401	401	308	308	308	308	369	369	369	369	
Planned Order Receipts		401	401	401	401	308	308	308	308	369	369	369	369	
Planned Order Release		401	401	401	401	308	308	308	308	369	369	369	369	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		424	424	424	424	363	363	363	363	349	349	349	349	
Schedule Receipts														
Project On Hand	20	20	20	20	20	20	20	20	20	20	20	20	20	
Net Requirements		424	424	424	424	363	363	363	363	349	349	349	349	
Planned Order Receipts		424	424	424	424	363	363	363	363	349	349	349	349	
Planned Order Release		424	424	424	424	363	363	363	363	349	349	349	349	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		380	380	380	380	334	334	334	334	277	277	277	277	16004
Schedule Receipts														0
Project On Hand	20	20	20	20	20	20	20	20	20	20	20	20	20	960
Net Requirements		380	380	380	380	334	334	334	334	277	277	277	277	16024
Planned Order Receipts		380	380	380	380	334	334	334	334	277	277	277	277	16024
Planned Order Release		380	380	380	380	334	334	334	334	277	277	277	277	16024
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp760	Rp 36.480
Total Biaya													Rp3.576.480	

• Lot Size LFL Umar AirKu Botol

Umar														
LFL (Interval = 1)														
Safety Stock	1	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 75										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		9	9	9	9	17	17	17	17	15	15	15	15	
Schedule Receipts														
Project On Hand	0	1	1	1	1	1	1	1	1	1	1	1	1	
Net Requirements		10	9	9	9	17	17	17	17	15	15	15	15	
Planned Order Receipts		10	9	9	9	17	17	17	17	15	15	15	15	
Planned Order Release		10	9	9	9	17	17	17	17	15	15	15	15	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		13	13	13	13	16	16	16	16	12	12	12	12	
Schedule Receipts														
Project On Hand	1	1	1	1	1	1	1	1	1	1	1	1	1	
Net Requirements		13	13	13	13	16	16	16	16	12	12	12	12	
Planned Order Receipts		13	13	13	13	16	16	16	16	12	12	12	12	
Planned Order Release		13	13	13	13	16	16	16	16	12	12	12	12	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		10	10	10	10	10	10	10	10	13	13	13	13	
Schedule Receipts														
Project On Hand	1	1	1	1	1	1	1	1	1	1	1	1	1	
Net Requirements		10	10	10	10	10	10	10	10	13	13	13	13	
Planned Order Receipts		10	10	10	10	10	10	10	10	13	13	13	13	
Planned Order Release		10	10	10	10	10	10	10	10	13	13	13	13	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		21	21	21	21	14	14	14	14	20	20	20	20	671
Schedule Receipts														0
Project On Hand	1	1	1	1	1	1	1	1	1	1	1	1	1	48
Net Requirements		21	21	21	21	14	14	14	14	20	20	20	20	672
Planned Order Receipts		21	21	21	21	14	14	14	14	20	20	20	20	672
Planned Order Release		21	21	21	21	14	14	14	14	20	20	20	20	672
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 28.800
Total Biaya													Rp 3.568.800	

• Lot Size LFL Umar AirKu Galon

Umar														
LFL (Interval = 1)														
Safety Stock	2	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 25										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		28	28	28	28	10	10	10	10	26	26	26	26	
Schedule Receipts														
Project On Hand	0	2	2	2	2	2	2	2	2	2	2	2	2	
Net Requirements		30	28	28	28	10	10	10	10	26	26	26	26	
Planned Order Receipts		30	28	28	28	10	10	10	10	26	26	26	26	
Planned Order Release		30	28	28	28	10	10	10	10	26	26	26	26	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		22	22	22	22	19	19	19	19	22	22	22	22	
Schedule Receipts														
Project On Hand	2	2	2	2	2	2	2	2	2	2	2	2	2	
Net Requirements		22	22	22	22	19	19	19	19	22	22	22	22	
Planned Order Receipts		22	22	22	22	19	19	19	19	22	22	22	22	
Planned Order Release		22	22	22	22	19	19	19	19	22	22	22	22	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		31	31	31	31	26	26	26	26	27	27	27	27	
Schedule Receipts														
Project On Hand	2	2	2	2	2	2	2	2	2	2	2	2	2	
Net Requirements		31	31	31	31	26	26	26	26	27	27	27	27	
Planned Order Receipts		31	31	31	31	26	26	26	26	27	27	27	27	
Planned Order Release		31	31	31	31	26	26	26	26	27	27	27	27	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		25	25	25	25	38	38	38	38	33	33	33	33	1222
Schedule Receipts														0
Project On Hand	2	2	2	2	2	2	2	2	2	2	2	2	2	96
Net Requirements		25	25	25	25	38	38	38	38	33	33	33	33	1224
Planned Order Receipts		25	25	25	25	38	38	38	38	33	33	33	33	1224
Planned Order Release		25	25	25	25	38	38	38	38	33	33	33	33	1224
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Total Biaya														Rp 3.540.000

• Lot Size LFL Joko Sendang AirKu Cup

Joko Sendang														
LFL (Interval = 1)														
Safety Stock	36	Set Up Cost		73750										
Lead Time	0	Holding Cost		38										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		302	302	302	302	245	245	245	245	404	404	404	404	
Schedule Receipts														
Project On Hand	0	36	36	36	36	36	36	36	36	36	36	36	36	
Net Requirements		338	302	302	302	245	245	245	245	404	404	404	404	
Planned Order Receipts		338	302	302	302	245	245	245	245	404	404	404	404	
Planned Order Release		338	302	302	302	245	245	245	245	404	404	404	404	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		402	402	402	402	364	364	364	364	658	658	658	658	
Schedule Receipts														
Project On Hand	36	36	36	36	36	36	36	36	36	36	36	36	36	
Net Requirements		402	402	402	402	364	364	364	364	658	658	658	658	
Planned Order Receipts		402	402	402	402	364	364	364	364	658	658	658	658	
Planned Order Release		402	402	402	402	364	364	364	364	658	658	658	658	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		507	507	507	507	525	525	525	525	431	431	431	431	
Schedule Receipts														
Project On Hand	36	36	36	36	36	36	36	36	36	36	36	36	36	
Net Requirements		507	507	507	507	525	525	525	525	431	431	431	431	
Planned Order Receipts		507	507	507	507	525	525	525	525	431	431	431	431	
Planned Order Release		507	507	507	507	525	525	525	525	431	431	431	431	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		367	367	367	367	504	504	504	504	257	257	257	257	19863
Schedule Receipts														0
Project On Hand	36	36	36	36	36	36	36	36	36	36	36	36	36	1728
Net Requirements		367	367	367	367	504	504	504	504	257	257	257	257	19899
Planned Order Receipts		367	367	367	367	504	504	504	504	257	257	257	257	19899
Planned Order Release		367	367	367	367	504	504	504	504	257	257	257	257	19899
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 1.368	Rp 65.664
Total Biaya														Rp 3.605.664

• Lot Size LFL Joko Sendang AirKu Botol

Joko Sendang														
LFL (Interval = 1)														
Safety Stock	3	Set Up Cost		73750										
Lead Time	0	Holding Cost		75										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		15	15	15	15	32	32	32	32	17	17	17	17	
Schedule Receipts														
Project On Hand	0	3	3	3	3	3	3	3	3	3	3	3	3	
Net Requirements		18	15	15	15	32	32	32	32	17	17	17	17	
Planned Order Receipts		18	15	15	15	32	32	32	32	17	17	17	17	
Planned Order Release		18	15	15	15	32	32	32	32	17	17	17	17	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		11	11	11	11	14	14	14	14	41	41	41	41	
Schedule Receipts														
Project On Hand	3	3	3	3	3	3	3	3	3	3	3	3	3	
Net Requirements		11	11	11	11	14	14	14	14	41	41	41	41	
Planned Order Receipts		11	11	11	11	14	14	14	14	41	41	41	41	
Planned Order Release		11	11	11	11	14	14	14	14	41	41	41	41	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		15	15	15	15	21	21	21	21	14	14	14	14	
Schedule Receipts														
Project On Hand	3	3	3	3	3	3	3	3	3	3	3	3	3	
Net Requirements		15	15	15	15	21	21	21	21	14	13,5	13,5	13,5	
Planned Order Receipts		15	15	15	15	21	21	21	21	14	13,5	13,5	13,5	
Planned Order Release		15	15	15	15	21	21	21	21	14	13,5	13,5	13,5	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		12	12	12	12	15	15	15	15	32	32	32	32	945
Schedule Receipts														0
Project On Hand	3	3	3	3	3	3	3	3	3	3	3	3	3	144
Net Requirements		12,25	12,25	12,25	12,25	15	14,75	14,75	14,75	31,75	31,75	31,75	31,75	948
Planned Order Receipts		12,25	12,25	12,25	12,25	14,75	14,75	14,75	14,75	31,75	31,75	31,75	31,75	948
Planned Order Release		12,25	12,25	12,25	12,25	14,75	14,75	14,75	14,75	31,75	31,75	31,75	31,75	948
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 600	Rp 28.800
Total Biaya													Rp 3.568.800	

• Lot Size LFL Joko Sendang AirKu Galon

Joko Sendang														
LFL (Interval = 1)														
Safety Stock	1	Set Up Cost		Rp73.750										
Lead Time	0	Holding Cost		Rp 25										
Project On Hand	0													
	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		3	3	3	3	2	2	2	2	2	2	2	2	
Schedule Receipts														
Project On Hand	0	1	1	1	1	1	1	1	1	1	1	1	1	
Net Requirements		4	3	3	3	2	2	2	2	2	2	2	2	
Planned Order Receipts		4	3	3	3	2	2	2	2	2	2	2	2	
Planned Order Release		4	3	3	3	2	2	2	2	2	2	2	2	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		3	3	3	3	2	2	2	2	3	3	3	3	
Schedule Receipts														
Project On Hand	1	1	1	1	1	1	1	1	1	1	1	1	1	
Net Requirements		3	3	3	3	2	2	2	2	3	3	3	3	
Planned Order Receipts		3	3	3	3	2	2	2	2	3	3	3	3	
Planned Order Release		3	3	3	3	2	2	2	2	3	3	3	3	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		3	3	3	3	5	5	5	5	4	4	4	4	
Schedule Receipts														
Project On Hand	1	1	1	1	1	1	1	1	1	1	1	1	1	
Net Requirements		3	3	3	3	5	5	5	5	4	4	4	4	
Planned Order Receipts		3	3	3	3	5	5	5	5	4	4	4	4	
Planned Order Release		3	3	3	3	5	5	5	5	4	4	4	4	
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		2	2	2	2	9	9	9	9	4	4	4	4	168
Schedule Receipts														0
Project On Hand	1	1	1	1	1	1	1	1	1	1	1	1	1	48
Net Requirements		2	2	2	2	9	9	9	9	4	4	4	4	169
Planned Order Receipts		2	2	2	2	9	9	9	9	4	4	4	4	169
Planned Order Release		2	2	2	2	9	9	9	9	4	4	4	4	169
Set Up Cost		Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp73.750	Rp 3.540.000
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Total Biaya														Rp 3.540.000

• PPB Aneka Usaha Galon

Aneka Usaha

Safety Stock	0	Set Up Cost		Rp	73.750
Lead Time	0	Holding Cost		Rp	25
Project On Hand	0	Kapasitas Kendaraan			40

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		4	4	4	4	4	4	4	4	3	3	3	3
Schedule Receipts													
Project On Hand	0	146	143	139	136	132	129	125	122	119	116	113	111
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		150											
Planned Order Release		150	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 3.650	Rp 3.563	Rp 3.475	Rp 3.388	Rp 3.300	Rp 3.213	Rp 3.125	Rp 3.038	Rp 2.969	Rp 2.900	Rp 2.831	Rp 2.763

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		4	4	4	4	7	7	7	7	2	2	2	2
Schedule Receipts													
Project On Hand	0	106	102	98	94	87	80	73	67	64	62	60	58
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		0											
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 2.656	Rp 2.550	Rp 2.444	Rp 2.338	Rp 2.169	Rp 2.000	Rp 1.831	Rp 1.663	Rp 1.606	Rp 1.550	Rp 1.494	Rp 1.438

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		3	3	3	3	3	3	3	3	5	5	5	5
Schedule Receipts													
Project On Hand	0	55	52	49	46	43	40	37	34	29	25	20	16
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		0											
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 34.656	Rp 17.328	Rp -	Rp 52.839	Rp 35.226	Rp 17.613	Rp -	Rp 61.598	Rp 46.199	Rp 30.799	Rp 15.400	Rp -

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		3	3	3	3	5	5	5	5	3	3	3	3	
Schedule Receipts														
Project On Hand	0	13	10	7	5	0	20	16	11	8	6	3	0	
Net Requirements		0	0	0	0	0	5	0	0	0	0	0	0	
Planned Order Receipts		25												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 319	Rp 250	Rp 181	Rp 113	Rp -	Rp 500	Rp 388	Rp 275	Rp 206	Rp 138	Rp 69	Rp -	
													Rp 222.913	

• PPB Kantor Pos Cup

Kantor Pos

Safety Stock	17	Set Up Cost		Rp	73.750
Lead Time	0	Holding Cost		Rp	38
Project On Hand	0	Kapasitas Kendaraan			125

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		55	55	55	55	50	50	50	50	30	30	30	30
Schedule Receipts													
Project On Hand	0	425	370	315	260	210	160	109	59	30	0	444	415
Net Requirements		72	0	0	0	0	0	0	0	0	17	47	0
Planned Order Receipts		480											
Planned Order Release		480	0	0	0	0	0	0	0	0	0	474	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -
Holding Cost		Rp 16.150	Rp 14.060	Rp 11.970	Rp 9.880	Rp 7.971	Rp 6.061	Rp 4.152	Rp 2.242	Rp 1.121	Rp -	Rp 16.872	Rp 15.751

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		43	43	43	43	121	121	121	121	133	133	133	133
Schedule Receipts													
Project On Hand	0	372	329	286	243	121	0	779	658	525	392	259	126
Net Requirements		0	0	0	0	0	17	138	0	0	0	0	0
Planned Order Receipts		901											
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 14.117	Rp 12.483	Rp 10.849	Rp 9.215	Rp 4.608	Rp -	Rp 29.612	Rp 25.004	Rp 19.950	Rp 14.896	Rp 9.842	Rp 4.788

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		63	63	63	63	106	106	106	106	63	63	63	63
Schedule Receipts													
Project On Hand	0	63	0	550	487	381	275	169	63	0	543	480	417
Net Requirements		0	17	80	0	0	0	0	0	17	80	0	0
Planned Order Receipts		613											
Planned Order Release		0	0	613	0	0	0	0	0	0	606	0	0
Set Up Cost		Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -
Holding Cost		Rp 2.394	Rp -	Rp 20.900	Rp 18.506	Rp 14.478	Rp 10.450	Rp 6.422	Rp 2.394	Rp -	Rp 20.634	Rp 18.240	Rp 15.846

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		78	78	78	78	105	105	105	105	63	63	63	63	
Schedule Receipts														
Project On Hand	0	339	261	183	105	0	460	355	250	188	125	63	0	
Net Requirements		0	0	0	0	17	122	0	0	0	0	0	17	
Planned Order Receipts		565												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 12.882	Rp 9.918	Rp 6.954	Rp 3.990	Rp -	Rp 17.480	Rp 13.490	Rp 9.500	Rp 7.125	Rp 4.750	Rp 2.375	Rp -	
													Rp 922.820	

• PPB Kantor Pos Botol

Kantor Pos

Safety Stock	1	Set Up Cost		Rp	73.750
Lead Time	0	Holding Cost		Rp	75
Project On Hand	0	Kapasitas Kendaraan			80

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		3	3	3	3	3	3	3	3	3	3	3	3
Schedule Receipts													
Project On Hand	0	87	84	81	78	75	73	70	68	62	55	49	43
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		90											
Planned Order Release		90	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 6.506	Rp 6.281	Rp 6.056	Rp 5.831	Rp 5.644	Rp 5.456	Rp 5.269	Rp 5.081	Rp 4.613	Rp 4.144	Rp 3.675	Rp 3.206

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		4	4	4	4	6	6	6	6	3	3	3	3
Schedule Receipts													
Project On Hand	0	39	35	32	28	22	15	9	3	0	79	76	74
Net Requirements		0	0	0	0	0	0	0	0	1	4	0	0
Planned Order Receipts		82											
Planned Order Release		0	0	0	0	0	0	0	0	0	82	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -
Holding Cost		Rp 2.925	Rp 2.644	Rp 2.363	Rp 2.081	Rp 1.613	Rp 1.144	Rp 675	Rp 206	Rp -	Rp 5.925	Rp 5.719	Rp 5.513

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		5	5	5	5	5	5	5	5	3	3	3	3
Schedule Receipts													
Project On Hand	0	69	64	59	55	50	46	41	37	34	32	29	27
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		0											
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 5.156	Rp 4.800	Rp 4.444	Rp 4.088	Rp 3.750	Rp 3.413	Rp 3.075	Rp 2.738	Rp 2.550	Rp 2.363	Rp 2.175	Rp 1.988

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		1	1	1	1	2	2	2	2	2	6	6	6	
Schedule Receipts														
Project On Hand	0	26	25	24	23	21	20	18	17	11	6	0	0	
Net Requirements		0	0	0	0	0	0	0	0	0	0	1	7	
Planned Order Receipts		6												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	6	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	
Holding Cost		Rp 1.913	Rp 1.838	Rp 1.763	Rp 1.688	Rp 1.575	Rp 1.463	Rp 1.350	Rp 1.238	Rp 825	Rp 413	Rp -	Rp 22.250	
													Rp 147.169	
													Rp 368.419	

• PPB Kantor Pos Galon

Kantor Pos

Safety Stock	0	Set Up Cost		Rp	73.750
Lead Time	0	Holding Cost		Rp	25
Project On Hand	0	Kapasitas Kendaraan			40

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		4	4	4	4	6	6	6	6	6	6	6	6
Schedule Receipts													
Project On Hand	0	178	173	169	165	159	153	147	141	135	128	122	116
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		182											
Planned Order Release		182	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 4.438	Rp 4.331	Rp 4.225	Rp 4.119	Rp 3.969	Rp 3.819	Rp 3.669	Rp 3.519	Rp 3.363	Rp 3.206	Rp 3.050	Rp 2.894

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		6	6	6	6	5	5	5	5	6	6	6	6
Schedule Receipts													
Project On Hand	0	110	105	99	94	89	83	78	73	67	61	55	49
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		0											
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 2.756	Rp 2.619	Rp 2.481	Rp 2.344	Rp 2.213	Rp 2.081	Rp 1.950	Rp 1.819	Rp 1.669	Rp 1.519	Rp 1.369	Rp 1.219

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		5	5	5	5	7	7	7	7	7	5	5	5
Schedule Receipts													
Project On Hand	0	44	40	35	31	24	18	11	5	0	88	83	78
Net Requirements		0	0	0	0	0	0	0	0	0	5	0	0
Planned Order Receipts		92											
Planned Order Release		0	0	0	0	0	0	0	0	0	92	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -
Holding Cost		Rp 1.106	Rp 994	Rp 881	Rp 769	Rp 606	Rp 444	Rp 281	Rp 119	Rp -	Rp 2.188	Rp 2.069	Rp 1.950

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		7	7	7	7	6	6	6	6	7	7	7	7	
Schedule Receipts														
Project On Hand	0	72	65	59	52	46	40	33	27	20	14	7	0	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		274												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 1.788	Rp 1.625	Rp 1.463	Rp 1.300	Rp 1.144	Rp 988	Rp 831	Rp 675	Rp 506	Rp 338	Rp 169	Rp -	
													Rp 274	
													Rp 147.500	
													Rp 908.69	
													Rp 238.369	

• PPB Umar Cup

Umar

Safety Stock		20															
Lead Time		0															
Project On Hand		0															
		Set Up Cost Rp 73.750															
		Holding Cost Rp 38															
		Kapasitas Kendaraan 125															
		Period															
Past Due		1	2	3	4	5	6	7	8	9	10	11	12				
Gross Requirement		168	168	168	168	310	310	310	310	318	318	318	318				
Schedule Receipts																	
Project On Hand		0	815	647	479	310	0	939	629	318	0	1438	1120	802			
Net Requirements		188	0	0	0	0	0	0	0	20	338	0	0				
Planned Order Receipts		983						1249						1756			
Planned Order Release		983	0	0	0	0	0	0	0	0	1756	0	0				
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -			
Holding Cost		Rp 30.970	Rp 24.577	Rp 18.183	Rp 11.790	Rp -	Rp 35.673	Rp 23.883	Rp 12.094	Rp -	Rp 54.644	Rp 42.551	Rp 30.457				
		Period															
Past Due		13	14	15	16	17	18	19	20	21	22	23	24				
Gross Requirement		401	401	401	401	308	308	308	308	369	369	369	369				
Schedule Receipts																	
Project On Hand		0	401	0	1017	617	308	0	1045	737	369	0	1217	849			
Net Requirements		0	0	20	421	0	0	20	328	0	0	20	389	0			
Planned Order Receipts		0						1418						1586			
Planned Order Release		0	0	1418	0	0	0	1354	0	0	0	1586	0				
Set Up Cost		Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -			
Holding Cost		Rp 15.229	Rp -	Rp 38.656	Rp 23.427	Rp 11.714	Rp -	Rp 39.720	Rp 28.006	Rp 14.003	Rp -	Rp 46.246	Rp 32.243				
		Period															
Past Due		25	26	27	28	29	30	31	32	33	34	35	36				
Gross Requirement		424	424	424	424	363	363	363	363	349	349	349	349				
Schedule Receipts																	
Project On Hand		0	424	0	1150	726	363	0	1061	698	349	0	1108	760			
Net Requirements		0	0	20	444	0	0	20	383	0	0	20	369	0			
Planned Order Receipts		0						1575						1457			
Planned Order Release		0	0	1575	0	0	0	1424	0	0	0	1457	0				
Set Up Cost		Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -			
Holding Cost		Rp 16.122	Rp -	Rp 43.710	Rp 27.588	Rp 13.794	Rp -	Rp 40.299	Rp 26.505	Rp 13.253	Rp -	Rp 42.114	Rp 28.861				
		Period															
Past Due		37	38	39	40	41	42	43	44	45	46	47	48	Total			
Gross Requirement		380	380	380	380	340	334	334	334	44	45	46	47	16004			
Schedule Receipts														0			
Project On Hand		0	380	0	1047	668	334	0	888	555	277	0	277	25118			
Net Requirements		0	0	20	400	0	0	20	354	0	0	20	297	4131			
Planned Order Receipts		0						1427						1222		555	16004
Planned Order Release		0	0	1427	0	0	0	1222	0	0	0	555	0	16004			
Set Up Cost		Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	885000			
Holding Cost		Rp 14.431	Rp -	Rp 39.796	Rp 25.365	Rp 12.683	Rp -	Rp 33.754	Rp 21.071	Rp 10.536	Rp -	Rp 10.536	Rp -	954475			
														Rp 1.839.475			

• PPB Umar Botol

Umar

Safety Stock		1													
Lead Time		0													
Project On Hand		0													
		Set Up Cost Rp 73.750													
		Holding Cost Rp 75													
		Kapasitas Kendaraan 80													
		Period													
Past Due		1	2	3	4	5	6	7	8	9	10	11	12		
Gross Requirement		9	9	9	9	17	17	17	17	15	15	15	15		
Schedule Receipts															
Project On Hand		0	153	145	136	127	110	93	75	58	44	29	15	0	
Net Requirements		10	0	0	0	0	0	0	0	0	0	0	0	1	
Planned Order Receipts		162						172						0	
Planned Order Release		162	0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 11.494	Rp 10.838	Rp 10.181	Rp 9.525	Rp 8.231	Rp 6.938	Rp 5.644	Rp 4.350	Rp 3.263	Rp 2.175	Rp 1.088	Rp -		
		Period													
Past Due		13	14	15	16	17	18	19	20	21	22	23	24		
Gross Requirement		13	13	13	13	16	16	16	16	12	12	12	12		
Schedule Receipts															
Project On Hand		0	159	147	134	122	106	90	74	58	46	34	22	10	
Net Requirements		14	0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		172						172						0	
Planned Order Release		172	0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 11.925	Rp 10.988	Rp 10.050	Rp 9.113	Rp 7.913	Rp 6.713	Rp 5.513	Rp 4.313	Rp 3.413	Rp 2.513	Rp 1.613	Rp 713		
		Period													
Past Due		25	26	27	28	29	30	31	32	33	34	35	36		
Gross Requirement		10	10	10	10	10	10	10	10	13	13	13	13		
Schedule Receipts															
Project On Hand		0	0	132	123	113	104	94	84	74	61	48	35	21	
Net Requirements		1	11	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		142						142						0	
Planned Order Release		0	142	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp -	Rp 9.919	Rp 9.206	Rp 8.494	Rp 7.763	Rp 7.031	Rp 6.300	Rp 5.569	Rp 4.575	Rp 3.581	Rp 2.588	Rp 1.594		
		Period													
Past Due		37	38	39	40	41	42	43	44	45	46	47	48	Total	
Gross Requirement		21	21	21	21	14	14	14	14	20	20	20	20	671	
Schedule Receipts														0	
Project On Hand		0	0	175	153	132	119	105	92	78	59	39	20	3838	
Net Requirements		1	22	0	0	0	0	0	0	0	0	0	0	60	
Planned Order Receipts		196						196						671	
Planned Order Release		0	196	0	0	0	0	0	0	0	0	0	0	671	
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	295000	
Holding Cost		Rp -	Rp 13.088	Rp 11.494	Rp 9.900	Rp 8.888	Rp 7.875	Rp 6.863	Rp 5.850	Rp 4.388	Rp 2.925	Rp 1.463	Rp -	287850	
														Rp 582.850	

• PPB Umar Galon

Umar

Safety Stock	2	Set Up Cost		Rp	73.750
Lead Time	0	Holding Cost		Rp	25
Project On Hand	0	Kapasitas Kendaraan			40

	Past Due	Period												Total
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		28	28	28	28	10	10	10	10	26	26	26	26	
Schedule Receipts														
Project On Hand	0	333	306	278	251	240	230	220	210	183	157	131	105	
Net Requirements		30	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		361												
Planned Order Release		361	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 8.325	Rp 7.638	Rp 6.950	Rp 6.263	Rp 6.006	Rp 5.750	Rp 5.494	Rp 5.238	Rp 4.581	Rp 3.925	Rp 3.269	Rp 2.613	

	Past Due	Period												Total
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		22	22	22	22	19	19	19	19	22	22	22	22	
Schedule Receipts														
Project On Hand	0	83	62	40	19	0	381	363	344	322	300	278	255	
Net Requirements		0	0	0	0	2	21	0	0	0	0	0	0	
Planned Order Receipts		400												
Planned Order Release		0	0	0	0	0	400	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 2.075	Rp 1.538	Rp 1.000	Rp 463	Rp -	Rp 9.531	Rp 9.069	Rp 8.606	Rp 8.050	Rp 7.494	Rp 6.938	Rp 6.381	

	Past Due	Period												Total
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		31	31	31	31	26	26	26	26	27	27	27	27	
Schedule Receipts														
Project On Hand	0	225	194	163	132	106	80	54	27	0	435	407	380	
Net Requirements		0	0	0	0	0	0	0	0	2	29	0	0	
Planned Order Receipts		462												
Planned Order Release		0	0	0	0	0	0	0	0	462	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 5.613	Rp 4.844	Rp 4.075	Rp 3.306	Rp 2.650	Rp 1.994	Rp 1.338	Rp 681	Rp 10.863	Rp 10.181	Rp 9.500	Rp -	

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		25	25	25	25	38	38	38	38	44	45	46	47	
Schedule Receipts														
Project On Hand	0	356	331	307	282	245	207	170	132	99	66	33	0	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	2	
Planned Order Receipts		1222												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 8.888	Rp 8.275	Rp 7.663	Rp 7.050	Rp 6.113	Rp 5.175	Rp 4.238	Rp 3.300	Rp 2.475	Rp 1.650	Rp 825	Rp -	

• PPB Joko Sendang Cup

Joko Sendang

Safety Stock	36	Set Up Cost		Rp	73.750
Lead Time	0	Holding Cost		Rp	38
Project On Hand	0	Kapasitas Kendaraan			125

	Past Due	Period												Total
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		302	302	302	302	245	245	245	245	404	404	404	404	
Schedule Receipts														
Project On Hand	0	906	604	302	0	1138	893	649	404	0	1211	807	402	
Net Requirements		338	0	0	0	0	0	0	0	36	440	0	0	
Planned Order Receipts		1208												
Planned Order Release		1208	0	0	0	1382	0	0	0	0	1615	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	
Holding Cost		Rp 34.428	Rp 22.952	Rp 11.476	Rp -	Rp 43.235	Rp 33.944	Rp 24.653	Rp 15.362	Rp -	Rp 46.009	Rp 30.647	Rp 15.286	

	Past Due	Period												Total
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		402	402	402	402	364	364	364	364	658	658	658	658	
Schedule Receipts														
Project On Hand	0	0	1168	766	364	0	727	364	0	1974	1316	658	0	
Net Requirements		36	438	0	0	36	400	0	36	694	0	0	36	
Planned Order Receipts		1570												
Planned Order Release		0	1570	0	0	0	1091	0	0	2632	0	0	0	
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp -	Rp 44.384	Rp 29.099	Rp 13.813	Rp -	Rp 27.626	Rp 13.813	Rp -	Rp 75.012	Rp 50.008	Rp 25.004	Rp -	

	Past Due	Period												Total
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		507	507	507	507	525	525	525	525	431	431	431	431	
Schedule Receipts														
Project On Hand	0	1015	507	0	1575	1050	525	0	1724	1293	862	431	0	
Net Requirements		543	0	36	543	0	0	36	561	0	0	0	36	
Planned Order Receipts		1522												
Planned Order Release		1522	0	0	2082	0	0	0	2249	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 38.551	Rp 19.276	Rp -	Rp 59.850	Rp 39.900	Rp 19.950	Rp -	Rp 65.512	Rp 49.134	Rp 32.756	Rp 16.378	Rp -	

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		367	367	367	367	504	504	504	504	257	257	257	257	
Schedule Receipts														
Project On Hand	0	1102	735	367	0	1009	504	0	1026	770	513	257	0	
Net Requirements		403	0	0	36	540	0	36	540	0	0	0	36	
Planned Order Receipts		1469												
Planned Order Release		1469	0	0	0	1513	0	0	1530	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 41.867	Rp 27.911	Rp 13.956	Rp -	Rp 38.323	Rp 19.162	Rp -	Rp 38.988	Rp 29.241	Rp 19.494	Rp 9.747	Rp -	

• PPB Joko Sendang Botol

Joko Sendang

Safety Stock	1	Set Up Cost		Rp	73.750
Lead Time	0	Holding Cost		Rp	75
Project On Hand	0	Kapasitas Kendaraan			80

	Past Due	Period												Total
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		15	15	15	15	32	32	32	32	17	17	17	17	
Schedule Receipts														
Project On Hand	0	187	172	158	143	112	80	49	17	0	175	158	141	
Net Requirements		18	0	0	0	0	0	0	0	3	20	0	0	
Planned Order Receipts		201												191,5
Planned Order Release		201	0	0	0	0	0	0	0	0	192	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	
Holding Cost		Rp 13.988	Rp 12.900	Rp 11.813	Rp 10.725	Rp 8.363	Rp 6.000	Rp 3.638	Rp 1.275	Rp -	Rp 13.088	Rp 11.813	Rp 10.538	

	Past Due	Period												Total
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		11	11	11	11	14	14	14	14	41	41	41	41	
Schedule Receipts														
Project On Hand	0	130	119	108	97	83	69	55	41	0	202	162	121	
Net Requirements		0	0	0	0	0	0	0	0	3	44	0	0	
Planned Order Receipts		242,75												243
Planned Order Release		0	0	0	0	0	0	0	0	0	243	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	
Holding Cost		Rp 9.713	Rp 8.888	Rp 8.063	Rp 7.238	Rp 6.188	Rp 5.138	Rp 4.088	Rp 3.038	Rp -	Rp 15.169	Rp 12.131	Rp 9.094	

	Past Due	Period												Total
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		15	15	15	15	21	21	21	21	14	14	14	14	
Schedule Receipts														
Project On Hand	0	107	92	77	62	42	21	0	162	149	135	122	108	
Net Requirements		0	0	0	0	0	0	3	24	0	0	0	0	
Planned Order Receipts		182,75												183
Planned Order Release		0	0	0	0	0	0	0	0	0	183	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 7.988	Rp 6.881	Rp 5.775	Rp 4.669	Rp 3.113	Rp 1.556	Rp -	Rp 12.150	Rp 11.138	Rp 10.125	Rp 9.113	Rp 8.100	

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		12	12	12	12	15	15	15	15	32	32	32	32	
Schedule Receipts														
Project On Hand	0	96	84	71	59	44	30	15	0	95	64	32	0	
Net Requirements		0	0	0	0	0	0	0	3	35	0	0	3	
Planned Order Receipts		127												127
Planned Order Release		0	0	0	0	0	0	0	0	0	127	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 7.181	Rp 6.263	Rp 5.344	Rp 4.425	Rp 3.319	Rp 2.213	Rp 1.106	Rp -	Rp 7.144	Rp 4.763	Rp 2.381	Rp -	

• PPB Joko Sendang Galon

Joko Sendang

Safety Stock	2	Set Up Cost		Rp	73.750
Lead Time	0	Holding Cost		Rp	25
Project On Hand	0	Kapasitas Kendaraan			40

	Past Due	Period												Total
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		3	3	3	3	2	2	2	2	2	2	2	2	
Schedule Receipts														
Project On Hand	0	122	120	117	114	112	110	107	105	103	101	98	96	
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		125												125
Planned Order Release		125	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 3.056	Rp 2.988	Rp 2.919	Rp 2.850	Rp 2.794	Rp 2.738	Rp 2.681	Rp 2.625	Rp 2.569	Rp 2.513	Rp 2.456	Rp 2.400	

	Past Due	Period												Total
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		3	3	3	3	2	2	2	2	3	3	3	3	
Schedule Receipts														
Project On Hand	0	93	90	87	84	82	80	77	75	72	69	66	63	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		127												127
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 2.325	Rp 2.250	Rp 2.175	Rp 2.100	Rp 2.044	Rp 1.988	Rp 1.931	Rp 1.875	Rp 1.800	Rp 1.725	Rp 1.650	Rp 1.575	

	Past Due	Period												Total
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		3	3	3	3	5	5	5	5	4	4	4	4	
Schedule Receipts														
Project On Hand	0	61	58	56	53	48	43	38	33	29	25	20	16	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		43												43
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 1.513	Rp 1.450	Rp 1.388	Rp 1.325	Rp 1.200	Rp 1.075	Rp 950	Rp 825	Rp 719	Rp 613	Rp 506	Rp 400	

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		2	2	2	2	9	9	9	9	9	4	4	4	
Schedule Receipts														
Project On Hand	0	14	13	11	9	0	34	25	16	12	8	4	0	
Net Requirements		0	0	0	0	1	10	0	0	0	0	0	1	
Planned Order Receipts		43												43
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 356	Rp 313	Rp 269	Rp 225	Rp -	Rp 850	Rp 625	Rp 400	Rp 300	Rp 200	Rp 100	Rp -	

DISTRIBUTION REQUIREMENT PLANNING

SM

• SM Aneka Usaha Cup

		SM												
Safety Stock	60	Set Up Cost		Rp 73.750										
Lead Time	0	Holding Cost		Rp 38										
Project On Hand	0	Kapastias Kendaraan		125										
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		405	405	405	405	441	441	441	441	442	442	442	442	
Project On Hand	0	809	405	0	1322	882	441	0	1325	884	442	0	1400	
Net Requirements		465	0	60	465	0	0	60	501	0	0	60	502	
Planned Order Receipts		1214		1727		0		1766		0		1841		
Planned Order Release		1214	0	0	1727	0	0	0	1766	0	0	0	1841	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	
Holding Cost		Rp 30.742	Rp 15.371	Rp -	Rp 50.246	Rp 33.497	Rp 16.749	Rp -	Rp 50.360	Rp 33.573	Rp 16.787	Rp -	Rp 53.181	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		700	700	700	700	510	510	510	642	642	642	642	642	
Project On Hand	0	700	0	2230	1530	1020	510	0	1927	1285	642	0	1368	
Net Requirements		0	60	760	0	0	0	60	570	0	0	60	702	
Planned Order Receipts		2930		2437		0		2010		0		0		
Planned Order Release		0	0	2930	0	0	0	0	2437	0	0	0	2010	
Set Up Cost		Rp -	Rp -	Rp 2930	Rp -	Rp -	Rp -	Rp -	Rp 2437	Rp -	Rp -	Rp -	Rp 2010	
Holding Cost		Rp 26.591	Rp -	Rp 84.731	Rp 58.140	Rp 38.760	Rp 19.380	Rp -	Rp 73.217	Rp 48.811	Rp 24.406	Rp -	Rp 51.984	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		456	456	456	456	464	464	464	464	405	405	405	405	
Project On Hand	0	912	456	0	1391	927	464	0	1216	811	405	0	1067	
Net Requirements		0	0	60	516	0	0	60	524	0	0	60	465	
Planned Order Receipts		1847		1679		0		1472		0		0		
Planned Order Release		0	0	1847	0	0	0	0	1679	0	0	0	1472	
Set Up Cost		Rp -	Rp -	Rp 1847	Rp -	Rp -	Rp -	Rp -	Rp 1679	Rp -	Rp -	Rp -	Rp 1472	
Holding Cost		Rp 34.656	Rp 17.328	Rp -	Rp 52.839	Rp 35.226	Rp 17.613	Rp -	Rp 46.199	Rp 30.799	Rp 15.400	Rp -	Rp 40.527	
	Past Due	Period												
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	
Schedule Receipts		233	233	233	233	67	67	67	67	44	44	44	44	
Project On Hand	0	833	600	367	134	67	0	242	175	131	88	44	0	
Net Requirements		0	0	0	0	0	60	127	0	0	0	16	60	
Planned Order Receipts		309		19230		0		811250		0		6271		
Planned Order Release		0	0	309	0	0	0	0	19230	0	0	0	19230	
Set Up Cost		Rp -	Rp -	Rp 309	Rp -	Rp -	Rp -	Rp -	Rp 19230	Rp -	Rp -	Rp -	Rp 19230	
Holding Cost		Rp 31.664	Rp 22.800	Rp 13.937	Rp 5.073	Rp 2.537	Rp -	Rp 9.187	Rp 6.650	Rp 4.988	Rp 3.325	Rp 1.663	Rp -	
														Total
														Rp1.930.179

• SM Aneka Usaha Botol

		SM												
Safety Stock	8	Set Up Cost		Rp 73.750										
Lead Time	0	Holding Cost		Rp 75										
Project On Hand	0	Kapastias Kendaraan		80										
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		16	16	16	16	12	12	12	12	14	14	14	14	
Project On Hand	0	137	121	105	88	77	65	53	41	28	14	0	125	
Net Requirements		24	0	0	0	0	0	0	0	0	0	8	22	
Planned Order Receipts		153		139		0		139		0		0		
Planned Order Release		153	0	0	0	0	0	0	0	0	0	0	139	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	
Holding Cost		Rp 10.275	Rp 9.056	Rp 7.838	Rp 6.619	Rp 5.738	Rp 4.856	Rp 3.975	Rp 3.094	Rp 2.063	Rp 1.031	Rp -	Rp 9.375	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		16	16	16	16	15	15	15	15	51	51	51	51	
Project On Hand	0	109	93	77	61	46	31	15	0	366	315	265	214	
Net Requirements		0	0	0	0	0	0	0	8	59	0	0	0	
Planned Order Receipts		416		16.050		0		16.050		0		0		
Planned Order Release		0	0	416	0	0	0	0	416	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp 416	Rp -	Rp -	Rp -	Rp -	Rp 416	Rp -	Rp -	Rp -	Rp 416	
Holding Cost		Rp 8.175	Rp 6.975	Rp 5.775	Rp 4.575	Rp 3.431	Rp 2.288	Rp 1.144	Rp -	Rp 27.413	Rp 23.625	Rp 19.838	Rp 16.050	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		39	39	39	39	30	30	30	30	30	30	30	30	
Project On Hand	0	176	137	99	60	30	0	150	120	90	60	30	0	
Net Requirements		0	0	0	0	0	8	38	0	0	0	0	8	
Planned Order Receipts		180		1542		0		1542		0		0		
Planned Order Release		0	0	180	0	0	0	0	180	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp 180	Rp -	Rp -	Rp -	Rp -	Rp 180	Rp -	Rp -	Rp -	Rp 180	
Holding Cost		Rp 13.163	Rp 10.275	Rp 7.388	Rp 4.500	Rp 2.250	Rp -	Rp 11.250	Rp 9.000	Rp 6.750	Rp 4.500	Rp 2.250	Rp -	
	Past Due	Period												
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	
Schedule Receipts		109	109	109	109	29	29	29	29	25	25	25	25	
Project On Hand	0	520	410	301	192	163	134	105	76	51	25	0	0	
Net Requirements		117	0	0	0	0	0	0	0	0	0	8	33	
Planned Order Receipts		629		1542		0		1542		0		333		
Planned Order Release		629	0	0	0	0	0	0	0	0	0	0	25	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	
Holding Cost		Rp 38.963	Rp 30.769	Rp 22.575	Rp 14.381	Rp 12.206	Rp 10.031	Rp 7.856	Rp 5.681	Rp 3.788	Rp 1.894	Rp -	Rp -	
														Total
														Rp 845.175

• SM Aneka Usaha Galon

		SM												
Safety Stock	0	Set Up Cost										Rp	73.750	
Lead Time	0	Holding Cost										Rp	25	
Project On Hand	0	Kapasitas Kendaraan											40	
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		4	4	4	4	4	4	4	4	3	3	3	3	
Project On Hand	0	142	138	135	131	128	124	121	117	114	112	109	106	
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		145												
Planned Order Release		145	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 3.538	Rp 3.450	Rp 3.363	Rp 3.275	Rp 3.188	Rp 3.100	Rp 3.013	Rp 2.925	Rp 2.856	Rp 2.788	Rp 2.719	Rp 2.650	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		4	4	4	4	4	4	4	4	4	4	4	4	
Project On Hand	0	102	98	93	89	82	76	69	62	60	58	55	53	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 2.544	Rp 2.438	Rp 2.331	Rp 2.225	Rp 2.056	Rp 1.888	Rp 1.719	Rp 1.550	Rp 1.494	Rp 1.438	Rp 1.381	Rp 1.325	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		3	3	3	3	3	3	3	3	5	5	5	5	
Project On Hand	0	50	47	44	41	38	35	32	29	25	20	16	11	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 1.250	Rp 1.175	Rp 1.100	Rp 1.025	Rp 950	Rp 875	Rp 800	Rp 725	Rp 613	Rp 500	Rp 388	Rp 275	
	Past Due	Period												Total
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	174
Schedule Receipts		3	3	3	3	5	5	5	5	3	3	3	3	0
Project On Hand	0	8	6	3	0	25	20	16	11	8	6	3	0	2861
Net Requirements		0	0	0	0	5	0	0	0	0	0	0	0	8
Planned Order Receipts		29												174
Planned Order Release		0	0	0	0	29	0	0	0	0	0	0	0	174
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	147500
Holding Cost		Rp 206	Rp 138	Rp 69	Rp -	Rp 613	Rp 500	Rp 388	Rp 275	Rp 206	Rp 138	Rp 69	Rp -	71525
														Rp 219.025

• SM Kantor Pos Cup

		SM												
Safety Stock	60	Set Up Cost										Rp	73.750	
Lead Time	0	Holding Cost										Rp	38	
Project On Hand	0	Kapasitas Kendaraan											125	
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		55	55	55	55	50	50	50	50	30	30	30	30	
Project On Hand	0	455	400	345	290	239	189	139	89	59	30	0	172	
Net Requirements		72	0	0	0	0	0	0	0	0	0	17	47	
Planned Order Receipts		510												202
Planned Order Release		510	0	0	0	0	0	0	0	0	0	0	0	202
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	73.750
Holding Cost		Rp 17.271	Rp 15.181	Rp 13.091	Rp 11.001	Rp 9.092	Rp 7.182	Rp 5.273	Rp 3.363	Rp 2.242	Rp 1.121	Rp -	Rp -	6.536
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		43	43	43	43	121	121	121	121	133	133	133	133	
Project On Hand	0	129	86	43	0	1022	901	779	658	525	392	259	126	
Net Requirements		0	0	0	17	138	0	0	0	0	0	0	0	
Planned Order Receipts		1143												
Planned Order Release		0	0	0	0	1143	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 4.902	Rp 3.268	Rp 1.634	Rp -	Rp 38.827	Rp 34.219	Rp 29.612	Rp 25.004	Rp 19.950	Rp 14.896	Rp 9.842	Rp 4.788	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		63	63	63	63	106	106	106	106	63	63	63	63	
Project On Hand	0	63	0	613	550	444	338	232	126	63	0	375	312	
Net Requirements		0	17	80	0	0	0	0	0	0	17	80	0	
Planned Order Receipts		676												438
Planned Order Release		0	0	676	0	0	0	0	0	0	0	438	0	
Set Up Cost		Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	
Holding Cost		Rp 2.394	Rp -	Rp 23.294	Rp 20.900	Rp 16.872	Rp 12.844	Rp 8.816	Rp 4.788	Rp 2.394	Rp -	Rp 14.250	Rp 11.856	
	Past Due	Period												Total
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	3638
Schedule Receipts		78	78	78	78	105	105	105	105	63	63	63	63	0
Project On Hand	0	234	156	78	0	565	460	355	250	188	125	63	0	12913
Net Requirements		0	0	0	17	122	0	0	0	0	0	0	17	641
Planned Order Receipts		670												3638
Planned Order Release		0	0	0	0	670	0	0	0	0	0	0	0	3638
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	442500
Holding Cost		Rp 8.892	Rp 5.928	Rp 2.964	Rp -	Rp 21.470	Rp 17.480	Rp 13.490	Rp 9.500	Rp 7.125	Rp 4.750	Rp 2.375	Rp -	490675
														Rp 933.175

• SM Kantor Pos Botal

		SM												
Safety Stock	8	Set Up Cost										Rp	73.750	
Lead Time	0	Holding Cost										Rp	75	
Project On Hand	0	Kapabilitas Kendaraan											80	
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		3	3	3	3	3	3	3	3	6	6	6	6	
Project On Hand	0	59	56	53	50	48	45	43	40	34	28	21	15	
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		62												
Planned Order Release		62	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 4.425	Rp 4.200	Rp 3.975	Rp 3.750	Rp 3.563	Rp 3.375	Rp 3.188	Rp 3.000	Rp 2.531	Rp 2.063	Rp 1.594	Rp 1.125	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		4	4	4	4	6	6	6	6	3	3	3	3	
Project On Hand	0	11	8	4	0	87	81	74	68	65	63	60	57	
Net Requirements		0	0	0	1	7	0	0	0	0	0	0	0	
Planned Order Receipts		93												
Planned Order Release		0	0	0	0	93	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 844	Rp 563	Rp 281	Rp -	Rp 6.506	Rp 6.038	Rp 5.569	Rp 5.100	Rp 4.894	Rp 4.688	Rp 4.481	Rp 4.275	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		5	5	5	5	5	5	5	5	3	3	3	3	
Project On Hand	0	52	48	43	38	34	29	25	20	18	15	13	10	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 3.919	Rp 3.563	Rp 3.206	Rp 2.850	Rp 2.513	Rp 2.175	Rp 1.838	Rp 1.500	Rp 1.313	Rp 1.125	Rp 938	Rp 750	
	Past Due	Period												Total
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	177
Schedule Receipts		1	1	1	1	2	2	2	2	6	6	6	6	0
Project On Hand	0	9	8	7	6	5	3	2	0	17	11	6	0	1482
Net Requirements		0	0	0	0	0	0	0	1	7	0	0	1	21
Planned Order Receipts		22												177
Planned Order Release		0	0	0	0	0	0	0	0	22	0	0	0	177
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	221250
Holding Cost		Rp 675	Rp 600	Rp 525	Rp 450	Rp 338	Rp 225	Rp 113	Rp -	Rp 1.238	Rp 825	Rp 413	Rp -	111113
														Rp 332.363

• SM Kantor Pos Galon

		SM												
Safety Stock	0	Set Up Cost										Rp	73.750	
Lead Time	0	Holding Cost										Rp	25	
Project On Hand	0	Kapabilitas Kendaraan											40	
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		4	4	4	4	6	6	6	6	6	6	6	6	
Project On Hand	0	147	143	138	134	128	122	116	110	104	98	91	85	
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		151												
Planned Order Release		151	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 3.669	Rp 3.563	Rp 3.456	Rp 3.350	Rp 3.200	Rp 3.050	Rp 2.900	Rp 2.750	Rp 2.594	Rp 2.438	Rp 2.281	Rp 2.125	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		6	6	6	6	5	5	5	5	6	6	6	6	
Project On Hand	0	80	74	69	63	58	53	47	42	36	30	24	18	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 1.988	Rp 1.850	Rp 1.713	Rp 1.575	Rp 1.444	Rp 1.313	Rp 1.181	Rp 1.050	Rp 900	Rp 750	Rp 600	Rp 450	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		5	5	5	5	7	7	7	7	5	5	5	5	
Project On Hand	0	14	9	5	0	117	110	104	97	92	88	83	78	
Net Requirements		0	0	0	0	7	0	0	0	0	0	0	0	
Planned Order Receipts		123												
Planned Order Release		0	0	0	0	123	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 338	Rp 225	Rp 113	Rp -	Rp 2.913	Rp 2.750	Rp 2.588	Rp 2.425	Rp 2.306	Rp 2.188	Rp 2.069	Rp 1.950	
	Past Due	Period												Total
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	274
Schedule Receipts		7	7	7	7	6	6	6	6	7	7	7	7	0
Project On Hand	0	72	65	59	52	46	40	33	27	20	14	7	0	3235
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	11
Planned Order Receipts		274												274
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	274
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	147500
Holding Cost		Rp 1.788	Rp 1.625	Rp 1.463	Rp 1.300	Rp 1.144	Rp 988	Rp 831	Rp 675	Rp 506	Rp 338	Rp 169	Rp -	80875
														Rp 228.375

• SM Umar Cup

Safety Stock	60
Lead Time	0
Project On Hand	0

SM	
Set Up Cost	Rp 73.750
Holding Cost	Rp 38
Kapasitas Kendaraan	125

	Past Due	Period													
		1	2	3	4	5	6	7	8	9	10	11	12		
Gross Requirement		168	168	168	168	310	310	310	310	318	318	318	318		
Schedule Receipts															
Project On Hand	0	505	337	168	0	1249	939	629	318	0	1037	719	401		
Net Requirements		188	0	0	20	330	0	0	0	20	338	0	0		
Planned Order Receipts		673					1559					1356			
Planned Order Release		673	0	0	0	1559	0	0	0	0	1356	0	0		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -		
Holding Cost		Rp 19.181	Rp 12.787	Rp 6.394	Rp -	Rp 47.462	Rp 35.673	Rp 23.883	Rp 12.094	Rp -	Rp 39.416	Rp 27.322	Rp 15.229		

	Past Due	Period												
		13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		401	401	401	401	308	308	308	308	369	369	369	369	
Schedule Receipts														
Project On Hand	0	0	1418	1017	617	308	0	677	369	0	1161	793	424	
Net Requirements		20	421	0	0	0	20	328	0	20	389	0	0	
Planned Order Receipts		1819			985					1530				
Planned Order Release		0	1819	0	0	0	0	985	0	0	1530	0	0	
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	
Holding Cost		Rp -	Rp 53.884	Rp 38.656	Rp 23.427	Rp 11.714	Rp -	Rp 25.717	Rp 14.003	Rp -	Rp 44.128	Rp 30.125	Rp 16.122	

	Past Due	Period												
		25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		424	424	424	424	363	363	363	363	349	349	349	349	
Schedule Receipts														
Project On Hand	0	0	1212	787	363	0	1075	712	349	0	1077	729	380	
Net Requirements		20	444	0	0	20	383	0	0	20	369	0	0	
Planned Order Receipts		1636			1438					1426				
Planned Order Release		0	1636	0	0	0	1438	0	0	0	1426	0	0	
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	
Holding Cost		Rp -	Rp 46.037	Rp 29.916	Rp 13.794	Rp -	Rp 40.841	Rp 27.047	Rp 13.253	Rp -	Rp 40.936	Rp 27.683	Rp 14.431	

	Past Due	Period												Total	
		37	38	39	40	41	42	43	44	45	46	47	48		
Gross Requirement		380	380	380	380	334	334	334	334	277	277	277	277	16004	
Schedule Receipts														0	
Project On Hand	0	0	1093	714	334	0	1222	888	555	277	0	277	0	25127	
Net Requirements		20	400	0	0	20	354	0	0	0	20	297	20	4481	
Planned Order Receipts		1473			1556					555					16004
Planned Order Release		0	1473	0	0	0	1556	0	0	0	0	555	0	16004	
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	885000	
Holding Cost		Rp -	Rp 41.544	Rp 27.113	Rp 12.683	Rp -	Rp 46.436	Rp 33.754	Rp 21.071	Rp 10.536	Rp -	Rp 10.536	Rp -	954817	
														Rp1.839.817	

• SM Umar Botol

Safety Stock	8
Lead Time	0
Project On Hand	0

SM	
Set Up Cost	Rp 73.750
Holding Cost	Rp 75
Kapasitas Kendaraan	80

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		9	9	9	9	17	17	17	17	15	15	15	15
Schedule Receipts													
Project On Hand	0	153	145	136	127	110	93	75	58	44	29	15	0
Net Requirements		10	0	0	0	0	0	0	0	0	0	0	1
Planned Order Receipts		162											
Planned Order Release		162	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 11.494	Rp 10.838	Rp 10.181	Rp 9.525	Rp 8.231	Rp 6.938	Rp 5.644	Rp 4.350	Rp 3.263	Rp 2.175	Rp 1.088	Rp -

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		13	13	13	13	16	16	16	16	12	12	12	12
Schedule Receipts													
Project On Hand	0	159	147	134	122	106	90	74	58	46	34	22	10
Net Requirements		14	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		172											
Planned Order Release		172	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 11.925	Rp 10.988	Rp 10.050	Rp 9.113	Rp 7.913	Rp 6.713	Rp 5.513	Rp 4.313	Rp 3.413	Rp 2.513	Rp 1.613	Rp 713

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		10	10	10	10	10	10	10	10	13	13	13	13
Schedule Receipts													
Project On Hand	0	0	111	102	92	82	73	63	53	40	27	13	0
Net Requirements		1	11	0	0	0	0	0	0	0	0	0	1
Planned Order Receipts		121											
Planned Order Release		0	121	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp -	Rp 8.325	Rp 7.613	Rp 6.900	Rp 6.169	Rp 5.438	Rp 4.706	Rp 3.975	Rp 2.981	Rp 1.988	Rp 994	Rp -

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		21	21	21	21	14	14	14	14	20	20	20	20	671
Schedule Receipts														0
Project On Hand	0	196	175	153	132	119	105	92	78	59	39	20	0	3800
Net Requirements		22	0	0	0	0	0	0	0	0	0	0	1	60
Planned Order Receipts		217												671
Planned Order Release		217	0	0	0	0	0	0	0	0	0	0	0	671
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	295000
Holding Cost		Rp 14.681	Rp 13.088	Rp 11.494	Rp 9.900	Rp 8.888	Rp 7.875	Rp 6.863	Rp 5.850	Rp 4.388	Rp 2.925	Rp 1.463	Rp -	285000
														Rp 580.000

• SM Umar Galon

Safety Stock	0
Lead Time	0
Project On Hand	0

SM	
Set Up Cost	Rp 73.750
Holding Cost	Rp 25
Kapasitas Kendaraan	40

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		28	28	28	28	10	10	10	10	26	26	26	26
Schedule Receipts													
Project On Hand	0	352	324	297	269	259	249	238	228	202	176	149	123
Net Requirements		30	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		379											
Planned Order Release		379	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 8.788	Rp 8.100	Rp 7.413	Rp 6.725	Rp 6.469	Rp 6.213	Rp 5.956	Rp 5.700	Rp 5.044	Rp 4.388	Rp 3.731	Rp 3.075

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		22	22	22	22	19	19	19	19	22	22	22	22
Schedule Receipts													
Project On Hand	0	102	80	59	37	19	0	363	344	322	300	278	255
Net Requirements		0	0	0	0	0	2	21	0	0	0	0	0
Planned Order Receipts		381											
Planned Order Release		0	0	0	0	0	0	381	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 2.538	Rp 2.000	Rp 1.463	Rp 925	Rp 463	Rp -	Rp 9.069	Rp 8.606	Rp 8.050	Rp 7.494	Rp 6.938	Rp 6.381

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		31	31	31	31	26	26	26	26	27	27	27	27
Schedule Receipts													
Project On Hand	0	225	194	163	132	106	80	54	27	0	402	374	347
Net Requirements		0	0	0	0	0	0	0	0	2	29	0	0
Planned Order Receipts		429											
Planned Order Release		0	0	0	0	0	0	0	0	429	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -
Holding Cost		Rp 5.613	Rp 4.844	Rp 4.075	Rp 3.306	Rp 2.650	Rp 1.994	Rp 1.338	Rp 681	Rp -	Rp 10.038	Rp 9.356	Rp 8.675

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		25	25	25	25	38	38	38	38	33	33	33	33	1222
Schedule Receipts														0
Project On Hand	0	323	298	274	249	212	174	137	99	66	33	0	0	8987
Net Requirements		0	0	0	0	0	0	0	0	0	0	2	35	120
Planned Order Receipts		1222												33
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	33	1222
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	295000
Holding Cost		Rp 8.063	Rp 7.450	Rp 6.838	Rp 6.225	Rp 5.288	Rp 4.350	Rp 3.413	Rp 2.475	Rp 1.650	Rp 825	Rp -	Rp -	224669
														Rp 519.669

• SM Joko Sendang Cup

Safety Stock	60
Lead Time	0
Project On Hand	0

SM	
Set Up Cost	Rp 73.750
Holding Cost	Rp 38
Kapasitas Kendaraan	125

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		302	302	302	302	245	245	245	245	404	404	404	404
Schedule Receipts													
Project On Hand	0	906	604	302	0	734	489	245	0	1213	809	404	0
Net Requirements		338	0	0	36	281	0	0	36	440	0	0	36
Planned Order Receipts		1208											
Planned Order Release		1208	0	0	0	978	0	0	0	1617	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -
Holding Cost		Rp 34.428	Rp 22.952	Rp 11.476	Rp -	Rp 27.873	Rp 18.582	Rp 9.291	Rp -	Rp 46.085	Rp 30.723	Rp 15.362	Rp -

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		402	402	402	402	364	364	364	364	658	658	658	658
Schedule Receipts													
Project On Hand	0	1207	805	402	0	1091	727	364	0	1316	658	0	1522
Net Requirements		438	0	0	36	400	0	0	36	694	0	36	694
Planned Order Receipts		1609											
Planned Order Release		1609	0	0	0	1454	0	0	0	1974	0	0	2180
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750
Holding Cost		Rp 45.857	Rp 30.571	Rp 15.286	Rp -	Rp 41.439	Rp 27.626	Rp 13.813	Rp -	Rp 50.008	Rp 25.004	Rp -	Rp 57.827

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		507	507	507	507	525	525	525	525	431	431	431	431
Schedule Receipts													
Project On Hand	0	1015	507	0	1575	1050	525	0	1293	862	431	0	1102
Net Requirements		0	0	36	543	0	0	36	561	0	0	36	467
Planned Order Receipts		2082											
Planned Order Release		0	0	0	2082	0	0	0	1818	0	0	0	1533
Set Up Cost		Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750
Holding Cost		Rp 38.551	Rp 19.276	Rp -	Rp 59.850	Rp 39.900	Rp 19.950	Rp -	Rp 49.134	Rp 32.756	Rp 16.378	Rp -	Rp 41.867

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		367	367	367	367	504	504	504	504	257	257	257	257	19863
Schedule Receipts														0
Project On Hand	0	735	367	0	1513	1009	504	0	1026	770	513	257	0	28847
Net Requirements		0	0	36	403	0	0	36	540	0	0	0	36	6231
Planned Order Receipts		1880												19863
Planned Order Release		0	0	0	1880	0	0	0	1530	0	0	0	0	19863
Set Up Cost		Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	885000
Holding Cost		Rp 27.911	Rp 13.956	Rp -	Rp 57.485	Rp 38.323	Rp 19.162	Rp -	Rp 38.988	Rp 29.241	Rp 19.494	Rp 9.747	Rp -	1096167
														Rp1.981.167

• SM Joko Sendang Botol

		SM												
Safety Stock	8	Set Up Cost										Rp	73.750	
Lead Time	0	Holding Cost										Rp	75	
Project On Hand	0	Kapasitas Kendaraan											80	

		Period												
	Past Due	1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		15	15	15	15	32	32	32	32	17	17	17	17	
Schedule Receipts														
Project On Hand	0	204	189	175	160	129	97	66	34	17	0	117	100	
Net Requirements		18	0	0	0	0	0	0	0	0	3	20	0	
Planned Order Receipts		218										134		
Planned Order Release		218	0	0	0	0	0	0	0	0	0	134	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	
Holding Cost		Rp 15.263	Rp 14.175	Rp 13.088	Rp 12.000	Rp 9.638	Rp 7.275	Rp 4.913	Rp 2.550	Rp 1.275	Rp -	Rp 8.775	Rp 7.500	

		Period												
	Past Due	13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		11	11	11	11	14	14	14	14	41	41	41	41	
Schedule Receipts														
Project On Hand	0	89	78	67	56	42	28	14	0	222	182	141	101	
Net Requirements		0	0	0	0	0	0	0	3	44	0	0	0	
Planned Order Receipts		0										263		
Planned Order Release		0	0	0	0	0	0	0	0	0	263	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	
Holding Cost		Rp 6.675	Rp 5.850	Rp 5.025	Rp 4.200	Rp 3.150	Rp 2.100	Rp 1.050	Rp -	Rp 16.650	Rp 13.613	Rp 10.575	Rp 7.538	

		Period												
	Past Due	25	26	27	28	29	30	31	32	33	34	35	36	
Gross Requirement		15	15	15	15	21	21	21	21	14	14	14	14	
Schedule Receipts														
Project On Hand	0	86	71	56	42	21	0	168	147	134	120	107	93	
Net Requirements		0	0	0	0	0	3	24	0	0	0	0	0	
Planned Order Receipts		0										189		
Planned Order Release		0	0	0	0	0	0	189	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 6.431	Rp 5.325	Rp 4.219	Rp 3.113	Rp 1.556	Rp -	Rp 12.600	Rp 11.044	Rp 10.031	Rp 9.019	Rp 8.006	Rp 6.994	

		Period												Total
	Past Due	37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		12	12	12	12	15	15	15	15	32	32	32	32	945
Schedule Receipts														0
Project On Hand	0	81	69	57	44	30	15	0	127	95	64	32	0	3962
Net Requirements		0	0	0	0	0	0	3	18	0	0	0	3	138
Planned Order Receipts		0										142		945
Planned Order Release		0	0	0	0	0	0	0	142	0	0	0	0	945
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	368750
Holding Cost		Rp 6.075	Rp 5.156	Rp 4.238	Rp 3.319	Rp 2.213	Rp 1.106	Rp -	Rp 9.525	Rp 7.144	Rp 4.763	Rp 2.381	Rp -	297131
														Rp 665.881

• SM Joko Sendang Galon

		SM												
Safety Stock	0	Set Up Cost										Rp	73.750	
Lead Time	0	Holding Cost										Rp	25	
Project On Hand	0	Kapasitas Kendaraan											40	

		Period												
	Past Due	1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		3	3	3	3	2	2	2	2	2	2	2	2	
Schedule Receipts														
Project On Hand	0	113	111	108	105	103	101	98	96	94	92	89	87	
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		116												
Planned Order Release		116	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 2.831	Rp 2.763	Rp 2.694	Rp 2.625	Rp 2.569	Rp 2.513	Rp 2.456	Rp 2.400	Rp 2.344	Rp 2.288	Rp 2.231	Rp 2.175	

		Period												
	Past Due	13	14	15	16	17	18	19	20	21	22	23	24	
Gross Requirement		3	3	3	3	2	2	2	2	3	3	3	3	
Schedule Receipts														
Project On Hand	0	84	81	78	75	73	71	68	66	63	60	57	54	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 2.100	Rp 2.025	Rp 1.950	Rp 1.875	Rp 1.819	Rp 1.763	Rp 1.706	Rp 1.650	Rp 1.575	Rp 1.500	Rp 1.425	Rp 1.350	

		Period												
	Past Due	31	31	31	31	26	26	26	26	27	27	27	27	
Gross Requirement		3	3	3	3	5	5	5	5	4	4	4	4	
Schedule Receipts														
Project On Hand	0	52	49	47	44	39	34	29	24	20	16	11	7	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		0												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 1.288	Rp 1.225	Rp 1.163	Rp 1.100	Rp 975	Rp 850	Rp 725	Rp 600	Rp 494	Rp 388	Rp 281	Rp 175	

		Period												Total
	Past Due	37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		2	2	2	2	9	9	9	9	4	4	4	4	168
Schedule Receipts														0
Project On Hand	0	5	4	2	0	43	34	25	16	12	8	4	0	2548
Net Requirements		0	0	0	1	10	0	0	0	0	0	0	1	16
Planned Order Receipts		52												168
Planned Order Release		0	0	0	0	52	0	0	0	0	0	0	0	168
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	147500
Holding Cost		Rp 131	Rp 88	Rp 44	Rp -	Rp 1.075	Rp 850	Rp 625	Rp 400	Rp 300	Rp 200	Rp 100	Rp -	63700

DISTRIBUTION REQUIREMENT PLANNING ALGORITMA WAGNER WITHIN

• AWW Aneka Usaha Cup

		AWW												
Safety Stock	60												Set Up Cost	Rp 73.750
Lead Time	0												Holding Cost	Rp 38
Project On Hand	0												Kapasitas Kendaraan	125
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		405	405	405	405	441	441	441	441	442	442	442	442	
Project On Hand	0	809	405	0	882	441	0	883	442	0	884	442	0	
Net Requirements		465	0	60	465	0	60	501	0	60	502	0	60	
Planned Order Receipts		1214			1286			1323			1325			
Planned Order Release		1214	0	0	1286	0	0	1323	0	0	1325	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	
Holding Cost		Rp 30.742	Rp 15.371	Rp -	Rp 33.497	Rp 16.749	Rp -	Rp 33.535	Rp 16.787	Rp -	Rp 33.573	Rp 16.787	Rp -	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		700	700	700	700	510	510	510	510	642	642	642	642	
Project On Hand	0	700	0	1210	510	0	1020	510	0	642	0	1098	456	
Net Requirements		760	60	760	0	60	570	0	60	702	60	702	0	
Planned Order Receipts		1400		1910			1530			1285		1741		
Planned Order Release		1400	0	1910	0	0	1530	0	0	1285	0	1741	0	
Set Up Cost		Rp 73.750	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp 73.750	Rp -	
Holding Cost		Rp 26.591	Rp -	Rp 45.971	Rp 19.380	Rp -	Rp 38.760	Rp 19.380	Rp -	Rp 24.406	Rp -	Rp 41.734	Rp 17.328	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		456	456	456	456	464	464	464	464	405	405	405	405	
Project On Hand	0	0	912	456	0	927	464	0	811	405	0	872	467	
Net Requirements		60	516	0	60	524	0	60	524	0	60	465	0	
Planned Order Receipts			1368			1391			1274			1277		
Planned Order Release		0	1368	0	0	1391	0	0	1274	0	0	1277	0	
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	
Holding Cost		Rp -	Rp 34.656	Rp 17.328	Rp -	Rp 35.226	Rp 17.613	Rp -	Rp 30.799	Rp 15.400	Rp -	Rp 33.127	Rp 17.727	
	Past Due	Period												Total
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	
Schedule Receipts		233	233	233	233	67	67	67	67	44	44	44	44	
Project On Hand	0	233	0	675	442	375	309	242	175	131	88	44	0	
Net Requirements		0	60	293	0	0	0	0	0	0	0	16	60	
Planned Order Receipts				909										
Planned Order Release		0	0	909	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 8.864	Rp -	Rp 25.660	Rp 16.796	Rp 14.260	Rp 11.723	Rp 9.187	Rp 6.650	Rp 4.988	Rp 3.325	Rp 1.663	Rp -	Rp 1.768.076

• AWW Aneka Usaha Botol

		AWW												
Safety Stock	8												Set Up Cost	Rp 73.750
Lead Time	0												Holding Cost	Rp 75
Project On Hand	0												Kapasitas Kendaraan	80
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		16	16	16	16	12	12	12	12	14	14	14	14	
Project On Hand	0	137	121	105	88	77	65	53	41	28	14	0	125	
Net Requirements		24	0	0	0	0	0	0	0	0	0	8	22	
Planned Order Receipts			153										139	
Planned Order Release		153	0	0	0	0	0	0	0	0	0	0	139	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	
Holding Cost		Rp 10.275	Rp 9.056	Rp 7.838	Rp 6.619	Rp 5.738	Rp 4.856	Rp 3.975	Rp 3.094	Rp 2.063	Rp 1.031	Rp -	Rp 9.375	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		16	16	16	16	15	15	15	15	51	51	51	51	
Project On Hand	0	109	93	77	61	46	31	15	0	267	217	166	116	
Net Requirements		0	0	0	0	0	0	0	8	59	0	0	0	
Planned Order Receipts										318				
Planned Order Release		0	0	0	0	0	0	0	0	318	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 8.175	Rp 6.975	Rp 5.775	Rp 4.575	Rp 3.431	Rp 2.288	Rp 1.144	Rp -	Rp 20.025	Rp 16.238	Rp 12.450	Rp 8.663	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		39	39	39	39	30	30	30	30	30	30	30	30	
Project On Hand	0	77	39	0	240	210	180	150	120	90	60	30	0	
Net Requirements		0	0	8	47	0	0	0	0	0	0	0	8	
Planned Order Receipts					279									
Planned Order Release		0	0	0	279	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 5.775	Rp 2.888	Rp -	Rp 18.000	Rp 15.750	Rp 13.500	Rp 11.250	Rp 9.000	Rp 6.750	Rp 4.500	Rp 2.250	Rp -	
	Past Due	Period												Total
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	
Schedule Receipts		109	109	109	109	29	29	29	29	25	25	25	25	
Project On Hand	0	219	109	0	217	188	159	130	101	76	51	25	0	
Net Requirements		117	0	8	117	0	0	0	0	0	0	0	8	
Planned Order Receipts				328		326								
Planned Order Release		328	0	0	326	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 16.388	Rp 8.194	Rp -	Rp 16.275	Rp 14.100	Rp 11.925	Rp 9.750	Rp 7.575	Rp 5.681	Rp 3.788	Rp 1.894	Rp -	Rp 781.388

• AWW Aneka Usaha Galon

		AWW											
Safety Stock	60	Set Up Cost										Rp	73.750
Lead Time	0	Holding Cost										Rp	38
Project On Hand	0	Kapasitas Kendaraan											125

		Period													
Past Due		1	2	3	4	5	6	7	8	9	10	11	12		
Gross Requirement		55	55	55	55	50	50	50	50	30	30	30	30		
Schedule Receipts															
Project On Hand	0	316	261	206	151	101	50	0	290	261	231	202	172		
Net Requirements		72	0	0	0	0	0	17	67	0	0	0	0		
Planned Order Receipts		371						340							
Planned Order Release		371	0	0	0	0	0	0	340	0	0	0	0		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 11.999	Rp 9.909	Rp 7.819	Rp 5.729	Rp 3.819	Rp 1.910	Rp -	Rp 11.020	Rp 9.899	Rp 8.778	Rp 7.657	Rp 6.536		

		Period													
Past Due		13	14	15	16	17	18	19	20	21	22	23	24		
Gross Requirement		43	43	43	43	121	121	121	121	133	133	133	133		
Schedule Receipts															
Project On Hand	0	129	86	43	0	497	376	254	133	0	518	385	252		
Net Requirements		0	0	0	17	138	0	0	0	17	150	0	0		
Planned Order Receipts		618						651							
Planned Order Release		0	0	0	0	618	0	0	0	0	651	0	0		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -		
Holding Cost		Rp 4.902	Rp 3.268	Rp 1.634	Rp -	Rp 18.877	Rp 14.269	Rp 9.662	Rp 5.054	Rp -	Rp 19.684	Rp 14.630	Rp 9.576		

		Period													
Past Due		25	26	27	28	29	30	31	32	33	34	35	36		
Gross Requirement		63	63	63	63	106	106	106	106	63	63	63	63		
Schedule Receipts															
Project On Hand	0	189	126	63	0	507	401	295	189	126	63	0	417		
Net Requirements		0	0	0	17	123	0	0	0	0	0	17	80		
Planned Order Receipts		613						480							
Planned Order Release		0	0	0	0	613	0	0	0	0	0	0	480		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750		
Holding Cost		Rp 7.182	Rp 4.788	Rp 2.394	Rp -	Rp 19.266	Rp 15.238	Rp 11.210	Rp 7.182	Rp 4.788	Rp 2.394	Rp -	Rp 15.846		

		Period													
Past Due		37	38	39	40	41	42	43	44	45	46	47	48		
Gross Requirement		78	78	78	78	105	105	105	105	63	63	63	63		
Schedule Receipts															
Project On Hand	0	339	261	183	105	0	460	355	250	188	125	63	0		
Net Requirements		0	0	0	0	17	122	0	0	0	0	0	17		
Planned Order Receipts		565						3638							
Planned Order Release		0	0	0	0	0	565	0	0	0	0	0	0		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 12.882	Rp 9.918	Rp 6.954	Rp 3.990	Rp -	Rp 17.480	Rp 13.490	Rp 9.500	Rp 7.125	Rp 4.750	Rp 2.375	Rp -		
													Rp	881.630	

• AWW Kantor Pos Cup

		AWW											
Safety Stock	0	Set Up Cost										Rp	73.750
Lead Time	0	Holding Cost										Rp	25
Project On Hand	0	Kapasitas Kendaraan											40

		Period													
Past Due		1	2	3	4	5	6	7	8	9	10	11	12		
Gross Requirement		4	4	4	4	4	4	4	4	4	3	3	3		
Schedule Receipts															
Project On Hand	0	171	167	164	160	157	153	150	146	143	141	138	135		
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		174						174							
Planned Order Release		174	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 4.263	Rp 4.175	Rp 4.088	Rp 4.000	Rp 3.913	Rp 3.825	Rp 3.738	Rp 3.650	Rp 3.581	Rp 3.513	Rp 3.444	Rp 3.375		

		Period													
Past Due		13	14	15	16	17	18	19	20	21	22	23	24		
Gross Requirement		4	4	4	4	7	7	7	7	2	2	2	2		
Schedule Receipts															
Project On Hand	0	131	127	122	118	111	105	98	91	89	87	84	82		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		0						0							
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 3.269	Rp 3.163	Rp 3.056	Rp 2.950	Rp 2.781	Rp 2.613	Rp 2.444	Rp 2.275	Rp 2.219	Rp 2.163	Rp 2.106	Rp 2.050		

		Period													
Past Due		25	26	27	28	29	30	31	32	33	34	35	36		
Gross Requirement		3	3	3	3	3	3	3	3	5	5	5	5		
Schedule Receipts															
Project On Hand	0	79	76	73	70	67	64	61	58	54	49	45	40		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		0						0							
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 1.975	Rp 1.900	Rp 1.825	Rp 1.750	Rp 1.675	Rp 1.600	Rp 1.525	Rp 1.450	Rp 1.338	Rp 1.225	Rp 1.113	Rp 1.000		

		Period													
Past Due		37	38	39	40	41	42	43	44	45	46	47	48		
Gross Requirement		3	3	3	3	5	5	5	5	3	3	3	3		
Schedule Receipts															
Project On Hand	0	37	35	32	29	25	20	16	11	8	6	3	0		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		0						174							
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 931	Rp 863	Rp 794	Rp 725	Rp 613	Rp 500	Rp 388	Rp 275	Rp 206	Rp 138	Rp 69	Rp -		
													Rp	174.275	

● AWW Kantor Pos Botol

		AWW											
Safety Stock	8	Set Up Cost										Rp	73.750
Lead Time	0	Holding Cost										Rp	75
Project On Hand	0	Kapasitas Kendaraan											80

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		3	3	3	3	3	3	3	3	6	6	6	6
Schedule Receipts													
Project On Hand	0	95	92	89	86	84	81	79	76	70	64	57	51
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		98											
Planned Order Release		98	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 7.125	Rp 6.900	Rp 6.675	Rp 6.450	Rp 6.263	Rp 6.075	Rp 5.888	Rp 5.700	Rp 5.231	Rp 4.763	Rp 4.294	Rp 3.825

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		4	4	4	4	6	6	6	6	3	3	3	3
Schedule Receipts													
Project On Hand	0	47	44	40	36	30	24	17	11	8	6	3	0
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	1
Planned Order Receipts		0											
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 3.544	Rp 3.263	Rp 2.981	Rp 2.700	Rp 2.231	Rp 1.763	Rp 1.294	Rp 825	Rp 619	Rp 413	Rp 206	Rp -

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		5	5	5	5	5	5	5	5	3	3	3	3
Schedule Receipts													
Project On Hand	0	74	70	65	60	56	51	47	42	40	37	35	32
Net Requirements		6	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		79											
Planned Order Release		79	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 5.569	Rp 5.213	Rp 4.856	Rp 4.500	Rp 4.163	Rp 3.825	Rp 3.488	Rp 3.150	Rp 2.963	Rp 2.775	Rp 2.588	Rp 2.400

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		1	1	1	1	2	2	2	2	6	6	6	6	
Schedule Receipts														
Project On Hand	0	31	30	29	28	27	25	24	22	17	11	6	0	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	1	
Planned Order Receipts		177												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 2.325	Rp 2.250	Rp 2.175	Rp 2.100	Rp 1.988	Rp 1.875	Rp 1.763	Rp 1.650	Rp 1.238	Rp 825	Rp 413	Rp -	
													Rp 300.613	

● AWW Kantor Pos Galon

		AWW											
Safety Stock	0	Set Up Cost										Rp	73.750
Lead Time	0	Holding Cost										Rp	25
Project On Hand	0	Kapasitas Kendaraan											40

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		4	4	4	4	6	6	6	6	6	6	6	6
Schedule Receipts													
Project On Hand	0	147	143	138	134	128	122	116	110	104	98	91	85
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		151											
Planned Order Release		151	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 3.669	Rp 3.563	Rp 3.456	Rp 3.350	Rp 3.200	Rp 3.050	Rp 2.900	Rp 2.750	Rp 2.594	Rp 2.438	Rp 2.281	Rp 2.125

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		6	6	6	6	5	5	5	5	6	6	6	6
Schedule Receipts													
Project On Hand	0	80	74	69	63	58	53	47	42	36	30	24	18
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		0											
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 1.988	Rp 1.850	Rp 1.713	Rp 1.575	Rp 1.444	Rp 1.313	Rp 1.181	Rp 1.050	Rp 900	Rp 750	Rp 600	Rp 450

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		5	5	5	5	7	7	7	7	5	5	5	5
Schedule Receipts													
Project On Hand	0	14	9	5	0	117	110	104	97	92	88	83	78
Net Requirements		0	0	0	0	7	0	0	0	0	0	0	0
Planned Order Receipts		123											
Planned Order Release		0	0	0	0	123	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 338	Rp 225	Rp 113	Rp -	Rp 2.913	Rp 2.750	Rp 2.588	Rp 2.425	Rp 2.306	Rp 2.188	Rp 2.069	Rp 1.950

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		7	7	7	7	6	6	6	6	7	7	7	7	
Schedule Receipts														
Project On Hand	0	72	65	59	52	46	40	33	27	20	14	7	0	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		274												
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 1.788	Rp 1.625	Rp 1.463	Rp 1.300	Rp 1.144	Rp 988	Rp 831	Rp 675	Rp 506	Rp 338	Rp 169	Rp -	
													Rp 228.375	

• AWW Umar Cup

Safety Stock	60
Lead Time	0
Project On Hand	0

AWW	
Set Up Cost	Rp 73.750
Holding Cost	Rp 38
Kapasitas Kendaraan	125

	Past Due	Period												
		1	2	3	4	5	6	7	8	9	10	11	12	
Gross Requirement		168	168	168	168	310	310	310	310	318	318	318	318	
Schedule Receipts														
Project On Hand	0	505	337	168	0	931	621	310	0	955	637	318	0	
Net Requirements		188	0	0	20	330	0	0	0	338	0	0	20	
Planned Order Receipts		673					1241					1273		
Planned Order Release		673	0	0	0	1241	0	0	0	1273	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	
Holding Cost		Rp 19.181	Rp 12.787	Rp 6.394	Rp -	Rp 35.369	Rp 23.579	Rp 11.790	Rp -	Rp 36.281	Rp 24.187	Rp 12.094	Rp -	

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		401	401	401	401	308	308	308	308	369	369	369	369
Schedule Receipts													
Project On Hand	0	802	401	0	617	308	0	677	369	0	737	369	0
Net Requirements		421	0	20	421	0	20	328	0	20	389	0	20
Planned Order Receipts		1202				1017				985			
Planned Order Release		1202	0	0	1017	0	0	985	0	0	1106	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -
Holding Cost		Rp 30.457	Rp 15.229	Rp -	Rp 23.427	Rp 11.714	Rp -	Rp 25.717	Rp 14.003	Rp -	Rp 28.006	Rp 14.003	Rp -

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		424	424	424	424	363	363	363	363	349	349	349	349
Schedule Receipts													
Project On Hand	0	849	424	0	726	363	0	712	349	0	698	349	0
Net Requirements		444	0	20	444	0	20	383	0	20	369	0	20
Planned Order Receipts		1273				1150				1075			
Planned Order Release		1273	0	0	1150	0	0	1075	0	0	1046	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -
Holding Cost		Rp 32.243	Rp 16.122	Rp -	Rp 27.588	Rp 13.794	Rp -	Rp 27.047	Rp 13.253	Rp -	Rp 26.505	Rp 13.253	Rp -

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		380	380	380	380	334	334	334	334	277	277	277	277	16004
Schedule Receipts														0
Project On Hand	0	760	380	0	668	334	0	611	277	0	555	277	0	17387
Net Requirements		400	0	20	400	0	20	354	0	20	297	0	20	5806
Planned Order Receipts		1139				1047				945				
Planned Order Release		1139	0	0	1047	0	0	945	0	0	832	0	0	16004
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	1106250
Holding Cost		Rp 28.861	Rp 14.431	Rp -	Rp 25.365	Rp 12.683	Rp -	Rp 23.218	Rp 10.536	Rp -	Rp 21.071	Rp 10.536	Rp -	660716
														Rp 1.766.966

• AWW Umar Botol

Safety Stock	8
Lead Time	0
Project On Hand	0

AWW	
Set Up Cost	Rp 73.750
Holding Cost	Rp 75
Kapasitas Kendaraan	80

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		9	9	9	9	17	17	17	17	15	15	15	15
Schedule Receipts													
Project On Hand	0	166	157	148	140	122	105	88	71	56	42	27	13
Net Requirements		10	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		175											
Planned Order Release		175	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 12.431	Rp 11.775	Rp 11.119	Rp 10.463	Rp 9.169	Rp 7.875	Rp 6.581	Rp 5.288	Rp 4.200	Rp 3.113	Rp 2.025	Rp 938

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		13	13	13	13	16	16	16	16	12	12	12	12
Schedule Receipts													
Project On Hand	0	0	147	134	122	106	90	74	58	46	34	22	10
Net Requirements		1	14	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		159											
Planned Order Release		0	159	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp -	Rp 10.988	Rp 10.050	Rp 9.113	Rp 7.913	Rp 6.713	Rp 5.513	Rp 4.313	Rp 3.413	Rp 2.513	Rp 1.613	Rp 713

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		10	10	10	10	10	10	10	10	13	13	13	13
Schedule Receipts													
Project On Hand	0	0	111	102	92	82	73	63	53	40	27	13	0
Net Requirements		1	11	0	0	0	0	0	0	0	0	0	1
Planned Order Receipts		121											
Planned Order Release		0	121	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp -	Rp 8.325	Rp 7.613	Rp 6.900	Rp 6.169	Rp 5.438	Rp 4.706	Rp 3.975	Rp 2.981	Rp 1.988	Rp 994	Rp -

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		21	21	21	21	14	14	14	14	20	20	20	20	671
Schedule Receipts														0
Project On Hand	0	196	175	153	132	119	105	92	78	59	39	20	0	3791
Net Requirements		22	0	0	0	0	0	0	0	0	0	0	1	60
Planned Order Receipts		217												671
Planned Order Release		217	0	0	0	0	0	0	0	0	0	0	0	671
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	295000
Holding Cost		Rp 14.681	Rp 13.088	Rp 11.494	Rp 9.900	Rp 8.888	Rp 7.875	Rp 6.863	Rp 5.850	Rp 4.388	Rp 2.925	Rp 1.463	Rp -	284325
														Rp 579.325

• AWW Umar Galon

		AWW													
Safety Stock	0											Set Up Cost	Rp	73.750	
Lead Time	0											Holding Cost	Rp	25	
Project On Hand	0											Kapasitas Kendaraan		40	
	Past Due	Period													
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12		
Schedule Receipts		28	28	28	28	10	10	10	10	26	26	26	26		
Project On Hand	0	389	361	334	306	296	286	275	265	239	213	186	160		
Net Requirements		30	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		416													
Planned Order Release		416	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -		
Holding Cost		Rp 9.713	Rp 9.025	Rp 8.338	Rp 7.650	Rp 7.394	Rp 7.138	Rp 6.881	Rp 6.625	Rp 5.969	Rp 5.313	Rp 4.656	Rp 4.000		
	Past Due	Period													
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24		
Schedule Receipts		22	22	22	22	19	19	19	19	22	22	22	22		
Project On Hand	0	139	117	96	74	56	37	19	0	377	354	332	310		
Net Requirements		0	0	0	0	0	0	0	2	24	0	0	0		
Planned Order Receipts		399													
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 399	Rp -	Rp -	Rp -		
Holding Cost		Rp 3.463	Rp 2.925	Rp 2.388	Rp 1.850	Rp 1.388	Rp 925	Rp 463	Rp -	Rp 9.413	Rp 8.856	Rp 8.300	Rp 7.744		
	Past Due	Period													
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36		
Schedule Receipts		31	31	31	31	26	26	26	26	27	27	27	27		
Project On Hand	0	279	248	218	187	161	134	108	82	55	27	0	380		
Net Requirements		0	0	0	0	0	0	0	0	0	0	2	29		
Planned Order Receipts		407													
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	407		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 6.975	Rp 6.206	Rp 5.438	Rp 4.669	Rp 4.013	Rp 3.356	Rp 2.700	Rp 2.044	Rp 1.363	Rp 681	Rp -	Rp 9.500		
	Past Due	Period												Total	
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	1222	
Schedule Receipts		25	25	25	25	38	38	38	38	33	33	33	33	0	
Project On Hand	0	356	331	307	282	245	207	170	132	99	66	33	0	9320	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	2	89	
Planned Order Receipts		1222													
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	1222	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	221250	
Holding Cost		Rp 8.888	Rp 8.275	Rp 7.663	Rp 7.050	Rp 6.113	Rp 5.175	Rp 4.238	Rp 3.300	Rp 2.475	Rp 1.650	Rp 825	Rp -	233006	
														Rp 454.256	

• AWW Joko Sendang Cup

		AWW													
Safety Stock	60											Set Up Cost	Rp	73.750	
Lead Time	0											Holding Cost	Rp	38	
Project On Hand	0											Kapasitas Kendaraan		125	
	Past Due	Period													
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12		
Schedule Receipts		302	302	302	302	245	245	245	245	404	404	404	404		
Project On Hand	0	906	604	302	0	734	489	245	0	809	404	0	805		
Net Requirements		338	0	0	36	281	0	0	36	440	0	36	440		
Planned Order Receipts		1208			978			1213			1209				
Planned Order Release		1208	0	0	0	978	0	0	0	1213	0	0	1209		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750		
Holding Cost		Rp 34.428	Rp 22.952	Rp 11.476	Rp -	Rp 27.873	Rp 18.582	Rp 9.291	Rp -	Rp 30.723	Rp 15.362	Rp -	Rp 30.571		
	Past Due	Period													
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24		
Schedule Receipts		402	402	402	402	364	364	364	364	658	658	658	658		
Project On Hand	0	402	0	766	364	0	727	364	0	658	0	1165	507		
Net Requirements		0	36	438	0	36	400	0	36	694	36	694	0		
Planned Order Receipts		1168			1091			1316			1823				
Planned Order Release		0	0	1168	0	0	1091	0	0	1316	0	1823	0		
Set Up Cost		Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp 73.750	Rp -		
Holding Cost		Rp 15.286	Rp -	Rp 29.099	Rp 13.813	Rp -	Rp 27.626	Rp 13.813	Rp -	Rp 25.004	Rp -	Rp 44.280	Rp 19.276		
	Past Due	Period													
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36		
Schedule Receipts		507	507	507	507	525	525	525	525	431	431	431	431		
Project On Hand	0	0	1015	507	0	1050	525	0	862	431	0	798	367		
Net Requirements		36	543	0	36	561	0	36	561	0	36	467	0		
Planned Order Receipts		1522			1575			1387			1229				
Planned Order Release		0	1522	0	0	1575	0	0	1387	0	0	1229	0		
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -		
Holding Cost		Rp -	Rp 38.551	Rp 19.276	Rp -	Rp 39.900	Rp 19.950	Rp -	Rp 32.756	Rp 16.378	Rp -	Rp 30.334	Rp 13.956		
	Past Due	Period												Total	
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	19863	
Schedule Receipts		367	367	367	367	504	504	504	504	257	257	257	257	0	
Project On Hand	0	0	735	367	0	1009	504	0	1026	770	513	257	0	20984	
Net Requirements		36	403	1102	0	36	540	0	36	540	0	0	36	7881	
Planned Order Receipts		1102			1513			1530			19863				
Planned Order Release		0	1102	0	0	1513	0	0	1530	0	0	0	0	19863	
Set Up Cost		Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	1106250	
Holding Cost		Rp -	Rp 27.911	Rp 13.956	Rp -	Rp 38.323	Rp 19.162	Rp -	Rp 38.988	Rp 29.241	Rp 19.494	Rp 9.747	Rp -	797373	
														Rp 1.903.623	

• AWW Joko Sendang Botol

		AWW													
Safety Stock	8											Set Up Cost	Rp	73.750	
Lead Time	0											Holding Cost	Rp	75	
Project On Hand	0											Kapasitas Kendaraan		80	

		Period													
Past Due		1	2	3	4	5	6	7	8	9	10	11	12		
Gross Requirement		15	15	15	15	32	32	32	32	17	17	17			
Schedule Receipts															
Project On Hand	0	138	124	109	95	63	32	0	168	151	134	117	100		
Net Requirements		18	0	0	0	0	0	3	35	0	0	0	0		
Planned Order Receipts		153						200							
Planned Order Release															
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 10.350	Rp 9.263	Rp 8.175	Rp 7.088	Rp 4.725	Rp 2.363	Rp -	Rp 12.600	Rp 11.325	Rp 10.050	Rp 8.775	Rp 7.500		

		Period													
Past Due		13	14	15	16	17	18	19	20	21	22	23	24		
Gross Requirement		11	11	11	11	14	14	14	14	41	41	41	41		
Schedule Receipts															
Project On Hand	0	89	78	67	56	42	28	14	0	201	161	120	80		
Net Requirements		0	0	0	0	0	0	0	3	44	0	0	0		
Planned Order Receipts		242													
Planned Order Release															
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -		
Holding Cost		Rp 6.675	Rp 5.850	Rp 5.025	Rp 4.200	Rp 3.150	Rp 2.100	Rp 1.050	Rp -	Rp 15.094	Rp 12.056	Rp 9.019	Rp 5.981		

		Period													
Past Due		25	26	27	28	29	30	31	32	33	34	35	36		
Gross Requirement		15	15	15	15	21	21	21	21	33	34	35	36		
Schedule Receipts										14	14	14	14		
Project On Hand	0	65	50	36	21	0	159	139	118	104	91	77	64		
Net Requirements		0	0	0	0	3	24	0	0	0	0	0	0		
Planned Order Receipts		180													
Planned Order Release															
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 4.875	Rp 3.769	Rp 2.663	Rp 1.556	Rp -	Rp 11.944	Rp 10.388	Rp 8.831	Rp 7.819	Rp 6.806	Rp 5.794	Rp 4.781		

		Period													
Past Due		37	38	39	40	41	42	43	44	45	46	47	48		
Gross Requirement		12	12	12	12	15	15	15	15	32	32	32	32		
Schedule Receipts															
Project On Hand	0	52	39	27	15	0	157	142	127	95	64	32	0		
Net Requirements		0	0	0	0	3	18	0	0	0	0	0	3		
Planned Order Receipts		171													
Planned Order Release															
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 3.863	Rp 2.944	Rp 2.025	Rp 1.106	Rp -	Rp 11.738	Rp 10.631	Rp 9.525	Rp 7.144	Rp 4.763	Rp 2.381	Rp -		
													Total		
													945		
													0		
													3837		
													152		
													945		
													368750		
													287756		
													Rp 656.506		

• AWW Joko Sendang Galon

		AWW													
Safety Stock	0											Set Up Cost	Rp	73.750	
Lead Time	0											Holding Cost	Rp	25	
Project On Hand	0											Kapasitas Kendaraan		40	

		Period													
Past Due		1	2	3	4	5	6	7	8	9	10	11	12		
Gross Requirement		3	3	3	3	2	2	2	2	2	2	2	2		
Schedule Receipts															
Project On Hand	0	165	163	160	157	155	153	150	148	146	144	141	139		
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		168													
Planned Order Release															
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 4.131	Rp 4.063	Rp 3.994	Rp 3.925	Rp 3.869	Rp 3.813	Rp 3.756	Rp 3.700	Rp 3.644	Rp 3.588	Rp 3.531	Rp 3.475		

		Period													
Past Due		13	14	15	16	17	18	19	20	21	22	23	24		
Gross Requirement		3	3	3	3	2	2	2	2	3	3	3	3		
Schedule Receipts															
Project On Hand	0	136	133	130	127	125	123	120	118	115	112	109	106		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts															
Planned Order Release															
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 3.400	Rp 3.325	Rp 3.250	Rp 3.175	Rp 3.119	Rp 3.063	Rp 3.006	Rp 2.950	Rp 2.875	Rp 2.800	Rp 2.725	Rp 2.650		

		Period													
Past Due		25	26	27	28	29	30	31	32	33	34	35	36		
Gross Requirement		3	3	3	3	5	5	5	5	4	4	4	4		
Schedule Receipts															
Project On Hand	0	104	101	99	96	91	86	81	76	72	68	63	59		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts															
Planned Order Release															
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 2.588	Rp 2.525	Rp 2.463	Rp 2.400	Rp 2.275	Rp 2.150	Rp 2.025	Rp 1.900	Rp 1.794	Rp 1.688	Rp 1.581	Rp 1.475		

		Period													
Past Due		37	38	39	40	41	42	43	44	45	46	47	48		
Gross Requirement		2	2	2	2	9	9	9	9	4	4	4	4		
Schedule Receipts															
Project On Hand	0	57	56	54	52	43	34	25	16	12	8	4	0		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	1		
Planned Order Receipts															
Planned Order Release															
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 1.431	Rp 1.388	Rp 1.344	Rp 1.300	Rp 1.075	Rp 850	Rp 625	Rp 400	Rp 300	Rp 200	Rp 100	Rp -		
													Total		
													168		
													0		
													4628		
													5		
													168		
													73750		
													115700		
													Rp 189.450		

DISTRIBUTION REQUIREMENT PLANNING LEAST UNIT COST

• LUC Aneka Usaha Cup

		LUC												
Safety Stock														Rp 73.750
Lead Time														Rp 38
Project On Hand														125
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		405	405	405	405	441	441	441	441	442	442	442	442	
Project On Hand	0	809	404	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
Net Requirements		465	0	61	465	501	501	501	501	502	502	502	502	
Planned Order Receipts		1213			405	441	441	441	441	442	442	442	442	
Planned Order Release		1213	0	0	405	441	441	441	441	442	442	442	442	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	
Holding Cost		Rp 30.723	Rp 15.352	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		700	700	700	700	510	510	510	510	642	642	642	642	
Project On Hand	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
Net Requirements		760	760	760	760	571	571	571	571	703	703	703	703	
Planned Order Receipts		700	700	700	700	510	510	510	510	642	642	642	642	
Planned Order Release		700	700	700	700	510	510	510	510	642	642	642	642	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	
Holding Cost		Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		456	456	456	456	464	464	464	464	464	405	405	405	
Project On Hand	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	
Net Requirements		517	517	517	517	524	524	524	524	466	466	466	466	
Planned Order Receipts		456	456	456	456	464	464	464	464	464	405	405	405	
Planned Order Release		456	456	456	456	464	464	464	464	405	405	405	405	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	
Holding Cost		Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	
	Past Due	Period												Total
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	19230
Schedule Receipts		233	233	233	233	67	67	67	67	44	44	44	44	0
Project On Hand	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1190
Net Requirements		294	294	294	294	127	127	127	127	104	104	104	104	21264
Planned Order Receipts		233	233	233	233	67	67	67	67	44	44	44	44	19230
Planned Order Release		233	233	233	233	67	67	67	67	44	44	44	44	19230
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	3392500
Holding Cost		Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	45201
													Rp 3.437.701	

• LUC Aneka Usaha Botol

		LUC												
Safety Stock														Rp 73.750
Lead Time														Rp 75
Project On Hand														80
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		16	16	16	16	12	12	12	12	14	14	14	14	
Project On Hand	0	478	462	445	429	417	406	394	382	368	355	341	327	
Net Requirements		24	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		494												
Planned Order Release		494	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 35.831	Rp 34.613	Rp 33.394	Rp 32.175	Rp 31.294	Rp 30.413	Rp 29.531	Rp 28.650	Rp 27.619	Rp 26.588	Rp 25.556	Rp 24.525	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		16	16	16	16	15	15	15	15	51	51	51	51	
Project On Hand	0	311	295	279	263	248	233	217	202	152	101	51	0	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	8	
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 23.325	Rp 22.125	Rp 20.925	Rp 19.725	Rp 18.581	Rp 17.438	Rp 16.294	Rp 15.150	Rp 11.363	Rp 7.575	Rp 3.788	Rp -	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		39	39	39	39	30	30	30	30	30	30	30	30	
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		47	47	47	47	38	38	38	38	38	38	38	38	
Planned Order Receipts		39	39	39	39	39	39	39	39	39	39	39	39	
Planned Order Release		39	39	39	39	39	39	39	39	39	39	39	39	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												Total
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	1542
Schedule Receipts		109	109	109	109	29	29	29	29	25	25	25	25	0
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	7153
Net Requirements		117	117	117	117	37	37	37	37	33	33	33	33	1272
Planned Order Receipts		109	109	109	109	29	29	29	29	25	25	25	25	1542
Planned Order Release		109	109	109	109	29	29	29	29	25	25	25	25	1542
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	1843750
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	536475
													Rp 2.380.225	

• LUC Aneka Usaha Galon

Safety Stock	0
Lead Time	0
Project On Hand	0

LUC	
Set Up Cost	Rp 73.750
Holding Cost	Rp 25
Kapasitas Kendaraan	40

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		4	4	4	4	4	4	4	4	3	3	3	3
Schedule Receipts													
Project On Hand	0	131	127	124	120	117	113	110	106	103	101	98	95
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		134											
Planned Order Release		134	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 3.263	Rp 3.175	Rp 3.088	Rp 3.000	Rp 2.913	Rp 2.825	Rp 2.738	Rp 2.650	Rp 2.581	Rp 2.513	Rp 2.444	Rp 2.375

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		4	4	4	4	7	7	7	7	2	2	2	2
Schedule Receipts													
Project On Hand	0	91	87	82	78	71	65	58	51	49	47	44	42
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		0											
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 2.269	Rp 2.163	Rp 2.056	Rp 1.950	Rp 1.781	Rp 1.613	Rp 1.444	Rp 1.275	Rp 1.219	Rp 1.163	Rp 1.106	Rp 1.050

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		3	3	3	3	3	3	3	3	5	5	5	5
Schedule Receipts													
Project On Hand	0	39	36	33	30	27	24	21	18	14	9	5	0
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0
Planned Order Receipts		0											
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -
Holding Cost		Rp 975	Rp 900	Rp 825	Rp 750	Rp 675	Rp 600	Rp 525	Rp 450	Rp 338	Rp 225	Rp 113	Rp -

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		3	3	3	3	5	5	5	5	3	3	3	3	174
Schedule Receipts														0
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	2361
Net Requirements		3	3	3	3	5	5	5	5	3	3	3	3	44
Planned Order Receipts		3												174
Planned Order Release		3	3	3	3	5	5	5	5	3	3	3	3	174
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	958750
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	59025
														Rp 1.017.775

• LUC Kantor Pos Cup

Safety Stock	60
Lead Time	0
Project On Hand	0

LUC	
Set Up Cost	Rp 73.750
Holding Cost	Rp 38
Kapasitas Kendaraan	125

	Past Due	Period											
		1	2	3	4	5	6	7	8	9	10	11	12
Gross Requirement		55	55	55	55	50	50	50	50	30	30	30	30
Schedule Receipts													
Project On Hand	0	366	311	256	201	151	101	50	0	0	0	0	0
Net Requirements		72	0	0	0	0	0	0	0	17	47	47	47
Planned Order Receipts		421											
Planned Order Release		421	0	0	0	0	0	0	0	30	30	30	30
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750
Holding Cost		Rp 13.908	Rp 11.818	Rp 9.728	Rp 7.638	Rp 5.729	Rp 3.819	Rp 1.910	Rp -	Rp -	Rp -	Rp -	Rp -

	Past Due	Period											
		13	14	15	16	17	18	19	20	21	22	23	24
Gross Requirement		43	43	43	43	121	121	121	121	133	133	133	133
Schedule Receipts													
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Requirements		60	60	60	60	138	138	138	138	150	150	150	150
Planned Order Receipts		43											
Planned Order Release		43	43	43	43	121	121	121	121	133	133	133	133
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -

	Past Due	Period											
		25	26	27	28	29	30	31	32	33	34	35	36
Gross Requirement		63	63	63	63	106	106	106	106	63	63	63	63
Schedule Receipts													
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Requirements		80	80	80	80	123	123	123	123	80	80	80	80
Planned Order Receipts		63											
Planned Order Release		63	63	63	63	106	106	106	106	63	63	63	63
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -

	Past Due	Period												Total
		37	38	39	40	41	42	43	44	45	46	47	48	
Gross Requirement		78	78	78	78	105	105	105	105	63	63	63	63	3638
Schedule Receipts														0
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	1436
Net Requirements		95	95	95	95	122	122	122	122	80	80	80	80	3986
Planned Order Receipts		78												3638
Planned Order Release		78	78	78	78	105	105	105	105	63	63	63	63	3638
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	3023750
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	54549
														Rp 3.078.299

• LUC Kantor Pos Botol

		LUC													
Safety Stock	8	Set Up Cost										Rp	73.750		
Lead Time	0	Holding Cost										Rp	75		
Project On Hand	0	Kapasitas Kendaraan											80		
	Past Due	Period													
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12		
Schedule Receipts		3	3	3	3	3	3	3	3	6	6	6	6		
Project On Hand	0	84	81	78	75	73	70	68	65	59	53	46	40		
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		87													
Planned Order Release		87	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 6.300	Rp 6.075	Rp 5.850	Rp 5.625	Rp 5.438	Rp 5.250	Rp 5.063	Rp 4.875	Rp 4.406	Rp 3.938	Rp 3.469	Rp 3.000		
	Past Due	Period													
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24		
Schedule Receipts		4	4	4	4	6	6	6	6	3	3	3	3		
Project On Hand	0	36	33	29	25	19	13	6	0	0	0	0	0		
Net Requirements		0	0	0	0	0	0	0	1	4	4	4	4		
Planned Order Receipts		3													
Planned Order Release		0	0	0	0	0	0	0	0	3	3	3	3		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp 2.719	Rp 2.438	Rp 2.156	Rp 1.875	Rp 1.406	Rp 938	Rp 469	Rp -	Rp -	Rp -	Rp -	Rp -		
	Past Due	Period													
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36		
Schedule Receipts		5	5	5	5	5	5	5	5	3	3	3	3		
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0		
Net Requirements		6	6	6	6	6	6	6	6	4	4	4	4		
Planned Order Receipts		5	5	5	5	5	5	5	5	3	3	3	3		
Planned Order Release		5	5	5	5	5	5	5	5	3	3	3	3		
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
	Past Due	Period												Total	
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	177	
Schedule Receipts		1	1	1	1	2	2	2	2	6	6	6	6	0	
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	951	
Net Requirements		2	2	2	2	3	3	3	3	7	7	7	7	123	
Planned Order Receipts		1	1	1	1	2	2	2	2	2	6	6	6	177	
Planned Order Release		1	1	1	1	2	2	2	2	2	6	6	6	177	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	2138750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	71288	
														Rp 2.210.038	

• LUC Kantor Pos Galon

		LUC													
Safety Stock	0	Set Up Cost										Rp	73.750		
Lead Time	0	Holding Cost										Rp	25		
Project On Hand	0	Kapasitas Kendaraan											40		
	Past Due	Period													
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12		
Schedule Receipts		28	28	28	28	10	10	10	10	26	26	26	26		
Project On Hand	0	315	287	260	232	222	212	201	191	165	139	112	86		
Net Requirements		30	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		342													
Planned Order Release		342	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 7.863	Rp 7.175	Rp 6.488	Rp 5.800	Rp 5.544	Rp 5.288	Rp 5.031	Rp 4.775	Rp 4.119	Rp 3.463	Rp 2.806	Rp 2.150		
	Past Due	Period													
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24		
Schedule Receipts		6	6	6	6	5	5	5	5	6	6	6	6		
Project On Hand	0	106	100	95	89	84	79	73	68	62	56	50	44		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		5													
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 2.638	Rp 2.500	Rp 2.363	Rp 2.225	Rp 2.094	Rp 1.963	Rp 1.831	Rp 1.700	Rp 1.550	Rp 1.400	Rp 1.250	Rp 1.100		
	Past Due	Period													
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36		
Schedule Receipts		5	5	5	5	7	7	7	7	5	5	5	5		
Project On Hand	0	40	35	31	26	20	13	7	0	0	0	0	0		
Net Requirements		0	0	0	0	0	0	0	0	5	5	5	5		
Planned Order Receipts		5													
Planned Order Release		0	0	0	0	0	0	0	0	5	5	5	5		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp 988	Rp 875	Rp 763	Rp 650	Rp 488	Rp 325	Rp 163	Rp -	Rp -	Rp -	Rp -	Rp -		
	Past Due	Period												Total	
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	274	
Schedule Receipts		7	7	7	7	6	6	6	6	7	7	7	7	0	
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	2802	
Net Requirements		7	7	7	7	6	6	6	6	7	7	7	7	101	
Planned Order Receipts		7	7	7	7	7	6	6	6	6	7	7	7	274	
Planned Order Release		7	7	7	7	6	6	6	6	6	7	7	7	274	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	1253750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	70038	
														Rp 1.323.788	

• LUC Umar Cup

		LUC													
Safety Stock	60	Set Up Cost										Rp	73.750		
Lead Time	0	Holding Cost										Rp	38		
Project On Hand	0	Kapasitas Kendaraan											125		
	Past Due	Period													
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12		
Schedule Receipts		168	168	168	168	310	310	310	310	318	318	318	318		
Project On Hand	0	1126	958	789	621	311	1	1	1	1	1	1	1		
Net Requirements		188	0	0	0	0	20	330	330	338	338	338	338		
Planned Order Receipts		1294													
Planned Order Release		1294	0	0	0	0	0	310	310	318	318	318	318		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp 42.779	Rp 36.385	Rp 29.992	Rp 23.598	Rp 11.809	Rp -	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19		
	Past Due	Period													
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24		
Schedule Receipts		401	401	401	401	308	308	308	308	369	369	369	369		
Project On Hand	0	1	1	1	1	1	1	1	1	1	1	1	1		
Net Requirements		420	420	420	420	328	328	328	328	388	388	388	388		
Planned Order Receipts		401	401	401	401	308	308	308	308	369	369	369	369		
Planned Order Release		401	401	401	401	308	308	308	308	369	369	369	369		
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19		
	Past Due	Period													
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36		
Schedule Receipts		424	424	424	424	363	363	363	363	349	349	349	349		
Project On Hand	0	1	1	1	1	1	1	1	1	1	1	1	1		
Net Requirements		444	444	444	444	383	383	383	383	368	368	368	368		
Planned Order Receipts		424	424	424	424	363	363	363	363	349	349	349	349		
Planned Order Release		424	424	424	424	363	363	363	363	349	349	349	349		
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19		
	Past Due	Period												Total	
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	16004	
Schedule Receipts		380	380	380	380	334	334	334	334	277	277	277	277	0	
Project On Hand	0	1	1	1	1	1	1	1	1	1	1	1	1	3826	
Net Requirements		399	399	399	399	353	353	353	353	297	297	297	297	15737	
Planned Order Receipts		380	380	380	380	334	334	334	334	277	277	277	277	16005	
Planned Order Release		380	380	380	380	334	334	334	334	277	277	277	277	16005	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	3171250	
Holding Cost		Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	Rp 19	145379	
														Rp 3.316.629	

• LUC Umar Botol

		LUC													
Safety Stock	8	Set Up Cost										Rp	73.750		
Lead Time	0	Holding Cost										Rp	75		
Project On Hand	0	Kapasitas Kendaraan											80		
	Past Due	Period													
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12		
Schedule Receipts		9	9	9	9	17	17	17	17	15	15	15	15		
Project On Hand	0	952	944	935	926	909	892	874	857	843	828	814	799		
Net Requirements		10	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		961													
Planned Order Release		961	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 71.419	Rp 70.763	Rp 70.106	Rp 69.450	Rp 68.156	Rp 66.863	Rp 65.569	Rp 64.275	Rp 63.188	Rp 62.100	Rp 61.013	Rp 59.925		
	Past Due	Period													
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24		
Schedule Receipts		13	13	13	13	16	16	16	16	12	12	12	12		
Project On Hand	0	787	774	762	749	733	717	701	685	673	661	649	637		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		13	13	13	13	16	16	16	16	12	12	12	12		
Planned Order Release		13	13	13	13	16	16	16	16	12	12	12	12		
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp 58.988	Rp 58.050	Rp 57.113	Rp 56.175	Rp 54.975	Rp 53.775	Rp 52.575	Rp 51.375	Rp 50.475	Rp 49.575	Rp 48.675	Rp 47.775		
	Past Due	Period													
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36		
Schedule Receipts		10	10	10	10	10	10	10	10	13	13	13	13		
Project On Hand	0	628	618	609	599	589	580	570	560	547	534	520	507		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		10	10	10	10	10	10	10	10	13	13	13	13		
Planned Order Release		10	10	10	10	10	10	10	10	13	13	13	13		
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp 47.063	Rp 46.350	Rp 45.638	Rp 44.925	Rp 44.194	Rp 43.463	Rp 42.731	Rp 42.000	Rp 41.006	Rp 40.013	Rp 39.019	Rp 38.025		
	Past Due	Period												Total	
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	671	
Schedule Receipts		21	21	21	21	14	14	14	14	20	20	20	20	0	
Project On Hand	0	486	465	443	422	409	395	382	368	349	329	310	290	30603	
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0	10	
Planned Order Receipts		21	21	21	21	14	14	14	14	20	20	20	20	1470	
Planned Order Release		21	21	21	21	14	14	14	14	20	20	20	20	1470	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	2728750	
Holding Cost		Rp 36.431	Rp 34.838	Rp 33.244	Rp 31.650	Rp 30.638	Rp 29.625	Rp 28.613	Rp 27.600	Rp 26.138	Rp 24.675	Rp 23.213	Rp 21.750	2295188	
														Rp 5.023.938	

• LUC Umar Galon

		LUC												
Safety Stock	0	Set Up Cost										Rp	73.750	
Lead Time	0	Holding Cost										Rp	25	
Project On Hand	0	Kapasitas Kendaraan											40	
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		4	4	4	4	4	4	4	4	3	3	3	3	
Project On Hand	0	131	127	124	120	117	113	110	106	103	101	98	95	
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0	
Planned Order Receipts		134												
Planned Order Release		134	0	0	0	0	0	0	0	0	0	0	0	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
Holding Cost		Rp 3.263	Rp 3.175	Rp 3.088	Rp 3.000	Rp 2.913	Rp 2.825	Rp 2.738	Rp 2.650	Rp 2.581	Rp 2.513	Rp 2.444	Rp 2.375	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		22	22	22	22	19	19	19	19	22	22	22	22	
Project On Hand	0	65	43	22	0	0	0	0	0	0	0	0	0	
Net Requirements		0	0	0	2	21	21	21	21	24	24	24	24	
Planned Order Receipts		19												
Planned Order Release		0	0	0	0	19	19	19	19	22	22	22	22	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	
Holding Cost		Rp 1.613	Rp 1.075	Rp 538	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		31	31	31	31	26	26	26	26	27	27	27	27	
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		33	33	33	33	28	28	28	28	29	29	29	29	
Planned Order Receipts		31	31	31	31	26	26	26	26	27	27	27	27	
Planned Order Release		31	31	31	31	26	26	26	26	27	27	27	27	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												Total
Gross Requirement		25	25	25	25	25	25	25	25	25	25	25	25	1222
Schedule Receipts		31	31	31	31	26	26	26	26	27	27	27	27	0
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	2549
Net Requirements		27	27	27	27	27	27	27	27	28	28	28	28	976
Planned Order Receipts		25	25	25	25	25	25	25	25	25	25	25	25	1222
Planned Order Release		25	25	25	25	25	25	25	25	25	25	25	25	1222
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	243750
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	63725
														Rp 2.497.475

• LUC Joko Sendang Cup

		LUC												
Safety Stock	60	Set Up Cost										Rp	73.750	
Lead Time	0	Holding Cost										Rp	38	
Project On Hand	0	Kapasitas Kendaraan											125	
	Past Due	Period												
Gross Requirement		1	2	3	4	5	6	7	8	9	10	11	12	
Schedule Receipts		302	302	302	302	245	245	245	245	404	404	404	404	
Project On Hand	0	906	604	302	0	0	0	0	0	0	0	0	0	
Net Requirements		338	0	0	36	281	281	281	281	440	440	440	440	
Planned Order Receipts		1208												
Planned Order Release		1208	0	0	0	245	245	245	245	404	404	404	404	
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	
Holding Cost		Rp 34.428	Rp 22.952	Rp 11.476	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
Gross Requirement		13	14	15	16	17	18	19	20	21	22	23	24	
Schedule Receipts		402	402	402	402	364	364	364	364	658	658	658	658	
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		438	438	438	438	400	400	400	400	694	694	694	694	
Planned Order Receipts		402	402	402	402	364	364	364	364	658	658	658	658	
Planned Order Release		402	402	402	402	364	364	364	364	658	658	658	658	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												
Gross Requirement		25	26	27	28	29	30	31	32	33	34	35	36	
Schedule Receipts		507	507	507	507	525	525	525	525	431	431	431	431	
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Requirements		543	543	543	543	561	561	561	561	467	467	467	467	
Planned Order Receipts		507	507	507	507	525	525	525	525	431	431	431	431	
Planned Order Release		507	507	507	507	525	525	525	525	431	431	431	431	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	
	Past Due	Period												Total
Gross Requirement		37	38	39	40	41	42	43	44	45	46	47	48	19863
Schedule Receipts		367	367	367	367	504	504	504	504	257	257	257	257	0
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	1812
Net Requirements		403	403	403	403	540	540	540	540	293	293	293	293	20613
Planned Order Receipts		367	367	367	367	504	504	504	504	257	257	257	257	19863
Planned Order Release		367	367	367	367	504	504	504	504	257	257	257	257	19863
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	3318750
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	68856
														Rp 3.387.606

• LUC Joko Sendang Botol

		LUC													
Safety Stock	8	Set Up Cost										Rp	73.750		
Lead Time	0	Holding Cost										Rp	75		
Project On Hand	0	Kapasitas Kendaraan											80		

		Period													
Past Due		1	2	3	4	5	6	7	8	9	10	11	12		
Gross Requirement		15	15	15	15	32	32	32	32	17	17	17	17		
Schedule Receipts															
Project On Hand	0	170	155	141	126	95	63	32	0	0	0	0			
Net Requirements		18	0	0	0	0	0	0	0	3	20	20	20		
Planned Order Receipts		184								17	17	17	17		
Planned Order Release		184	0	0	0	0	0	0	0	17	17	17	17		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp 12.713	Rp 11.625	Rp 10.538	Rp 9.450	Rp 7.088	Rp 4.725	Rp 2.363	Rp -	Rp -	Rp -	Rp -	Rp -		

		Period													
Past Due		13	14	15	16	17	18	19	20	21	22	23	24		
Gross Requirement		11	11	11	11	14	14	14	14	41	41	41	41		
Schedule Receipts															
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0		
Net Requirements		14	14	14	14	17	17	17	17	44	44	44	44		
Planned Order Receipts		11	11	11	11	14	14	14	14	41	41	41	41		
Planned Order Release		11	11	11	11	14	14	14	14	41	41	41	41		
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		

		Period													
Past Due		25	26	27	28	29	30	31	32	33	34	35	36		
Gross Requirement		15	15	15	15	21	21	21	21	14	14	14	14		
Schedule Receipts															
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0		
Net Requirements		18	18	18	18	24	24	24	24	17	17	17	17		
Planned Order Receipts		15	15	15	15	21	21	21	21	14	14	14	14		
Planned Order Release		15	15	15	15	21	21	21	21	14	14	14	14		
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750		
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		

		Period												Total	
Past Due		37	38	39	40	41	42	43	44	45	46	47	48		
Gross Requirement		12	12	12	12	15	15	15	15	32	32	32	32	945	
Schedule Receipts														0	
Project On Hand	0	0	0	0	0	0	0	0	0	0	0	0	0	780	
Net Requirements		15	15	15	15	18	18	18	18	35	35	35	35	902	
Planned Order Receipts		12	12	12	12	15	15	15	15	32	32	32	32	945	
Planned Order Release		12	12	12	12	15	15	15	15	32	32	32	32	945	
Set Up Cost		Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	3023750	
Holding Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	58500	
													Rp 3.082.250		

• LUC Joko Sendang Galon

		LUC													
Safety Stock	0	Set Up Cost										Rp	73.750		
Lead Time	0	Holding Cost										Rp	25		
Project On Hand	0	Kapasitas Kendaraan											40		

		Period													
Past Due		1	2	3	4	5	6	7	8	9	10	11	12		
Gross Requirement		3	3	3	3	2	2	2	2	2	2	2	2		
Schedule Receipts															
Project On Hand	0	149	147	144	141	139	137	134	132	130	128	125	123		
Net Requirements		4	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		152													
Planned Order Release		152	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp 73.750	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 3.731	Rp 3.663	Rp 3.594	Rp 3.525	Rp 3.469	Rp 3.413	Rp 3.356	Rp 3.300	Rp 3.244	Rp 3.188	Rp 3.131	Rp 3.075		

		Period													
Past Due		13	14	15	16	17	18	19	20	21	22	23	24		
Gross Requirement		3	3	3	3	2	2	2	2	3	3	3	3		
Schedule Receipts															
Project On Hand	0	120	117	114	111	109	107	104	102	99	96	93	90		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 3.000	Rp 2.925	Rp 2.850	Rp 2.775	Rp 2.719	Rp 2.663	Rp 2.606	Rp 2.550	Rp 2.475	Rp 2.400	Rp 2.325	Rp 2.250		

		Period													
Past Due		25	26	27	28	29	30	31	32	33	34	35	36		
Gross Requirement		3	3	3	3	5	5	5	5	4	4	4	4		
Schedule Receipts															
Project On Hand	0	88	85	83	80	75	70	65	60	56	52	47	43		
Net Requirements		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Receipts		0	0	0	0	0	0	0	0	0	0	0	0		
Planned Order Release		0	0	0	0	0	0	0	0	0	0	0	0		
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -		
Holding Cost		Rp 2.188	Rp 2.125	Rp 2.063	Rp 2.000	Rp 1.875	Rp 1.750	Rp 1.625	Rp 1.500	Rp 1.394	Rp 1.288	Rp 1.181	Rp 1.075		

		Period												Total	
Past Due		37	38	39	40	41	42	43	44	45	46	47	48		
Gross Requirement		2	2	2	2	9	9	9	9	4	4	4	4	168	
Schedule Receipts														0	
Project On Hand	0	41	40	38	36	27	18	9	0	0	0	0	0	3900	
Net Requirements		0	0	0	0	0	0	0	1	5	5	5	5	25	
Planned Order Receipts		0	0	0	0	0	0	0	0	4	4	4	4	4	
Planned Order Release		0	0	0	0	0	0	0	0	4	4	4	4	168	
Set Up Cost		Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp -	Rp 73.750	Rp 73.750	Rp 73.750	Rp 73.750	368750	
Holding Cost		Rp 1.031	Rp 988	Rp 944	Rp 900	Rp 675	Rp 450	Rp 225	Rp -	Rp -	Rp -	Rp -	Rp -	97500	
													Rp 466.250		

CURICULUM VITAE



Nama Lengkap : Atika Khoirun Nisa

Tempat, Tanggal Lahir : Banyumas, 25 Agustus 1996

Jenis Kelamin : Perempuan

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Riwayat Pendidikan :

1. 2000-2002 TK Diponegoro 07 Panusupan
2. 2002-2008 MI Ma'arif NU 1 Panusupan
3. 2008-2011 SMP Negeri 1 Ajibarang
4. 2011-2014 SMA Negeri 5 Purwokerto
5. 2014-2018 UIN Sunan Kalijaga Yogyakarta