

**SISTEM PENDUKUNG KEPUTUSAN PERANCANGAN SUSUNAN
RAK PENYIMPANAN KOMPONEN BERDASARKAN *PROCESS
SIMILARITY* DENGAN METODE *SIMPLE ADDITIVE WEIGHTING*
(SAW) DAN *CLASS BASED STORAGE* (CBS)**

(Studi Kasus di PT. Astra Komponen Indonesia)

Skripsi
Untuk Memenuhi Syarat Memperoleh
Gelar Sarjana Teknik dalam Jenjang Strata Satu (S1) Teknik Industri



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2015



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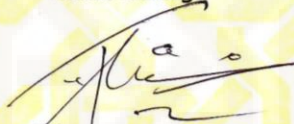
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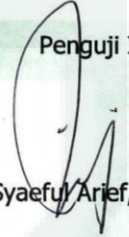
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Menyatakan dengan sesungguhnya, bahwa skripsi saya ini adalah hasil pekerjaan saya sendiri, dan sepanjang pengetahuan saya tidak berisi materi yang telah dipublikasikan atau telah ditulis oleh orang lain atau telah digunakan sebagai persyaratan penyelesaian studi perguruan lain, kecuali pada bagian tertentu yang saya ambil sebagai acuan. Apabila terbukti ini tidak benar, sepenuhnya menjadi tanggung jawab saya.

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MOTTO

من ساعة إلى ساعة فرج

Dari suatu saat ke saat yang lain, pasti ada kemudahan

(Anonim)

وإذا أصبحت فلا تنتظر بالمساء

Jika anda berada pada pagi hari, janganlah menunggu datangnya sore hari

(Anonim)



HALAMAN PERSEMBAHAN

Karya ini saya persembahkan kepada
Kedua orang tua, Ayahanda Wasito dan Ibunda Nuryati
Serta Adik-adik saya, Ahmad Badri Munir dan Ida Nurul Fadilah
Yang saya cintai dan selalu saya rindukan
Yang selalu ikhlas mendukung setiap langkah saya
Tempat pulang dan pencurahan setiap pengalaman dan persoalan yang saya
hadapi

Karya ini juga saya dedikasikan untuk Almamater saya
Universitas Islam Negeri Sunan Kalijaga Yogyakarta, untuk Progam Studi Teknik
Industri UIN Sunan Kalijaga Yogayakarta dan kawan-kawan seperjuangan Teknik
Industri Angkatan 2010, serta organisasi-organisasi yang saya ikuti selama
menjadi mahasiswa seperti Himpunan Mahasiswa Islam (HMI) Komisariat
Fakultas Sains dan Teknologi, Program Mien R Uno Foundation (MRUF) Envoy
V, Jam'iyatul Qurra' Wa Al Huffadz (JQH) Al Mizan UIN Sunan Kalijaga, Studi
Pengembangan Bahasa Asing (SPBA) UIN Sunan Kalijaga, Keluarga Pelajar-
Mahasiswa Ciamis-Pangandaran (KPM) Galuh Rahayu, Himpunan Mahasiswa
Sunan Kalijaga Cilacap (HIMMAH SUCI) Yogyakarta, Lembaga Dakwah
Kampus (LDK) Sunan Kalijaga, Lembaga Pers Mahasiswa (LPM) Arena UIN
Sunan Kalijaga, Taman Pendidikan Al-Qur'an (TQA-TPA) Ukhuwah Islamiyah,
Komunitas Gusdurian Yogyakarta dan Ikatan Alumni El Bayan (IAE)
Yogyakarta.

Dan terakhir untuk Kota Yogyakarta
Yang telah banyak memberikan pelajaran tentang makna keniscayaan dari sebuah
kebersamaan, persaudaraan dari sekedar pertemanan dan kebinekaan dari sebuah
kemajemukan.

KATA PENGANTAR

Alhamdulillah, puji syukur penyusun panjatkan kepada Allah SWT yang telah melimpahkan rahmat-Nyadan segala nikmat yang dilimpahkan sehingga penyusun dapat menyelesaikan penelitian dan penulisan skripsi ini. Shalawat dan salam semoga tercurahkan kepada junjungan dan teladan kita, Nabi Muhammad SAW beserta keluarganya. Skripsi yang berjudul “*Sistem Pendukung Keputusan Perancangan Susunan Rak Penyimpanan Komponen Berdasarkan Process similarity dengan Metode Simple Additive Weighting (SAW) dan Class Based Storage (CBS)*” merupakan salah satu persyaratan mencapai derajat Sarjana Teknik Industri.

Selama penelitian dan penulisan skripsi, penyusun mendapat banyak bantuan berupa materi, motivasi, ide-ide kreatif serta bimbingan dari beberapa pihak. Tanpa adanya bantuan tersebut sangatlah sulit bagi penyusun untuk menyelesaikan skripsi ini. Oleh karena itu, penyusun mengucapkan terima kasih kepada :

1. Dr. Maizer, MA., Ph.D. selaku Dekan Fakultas Sains dan Teknologi Universitas Islam Negeri Sunan Kalijaga Yogyakarta
2. Dr. Kifayah Amar, Ph.D. selaku Ketua Program Studi Teknik Industri Universitas Negeri Sunan Kalijaga Yogyakarta
3. Trio Yonathan Teja Kusuma, M.T. selaku Dosen Pembimbing yang telah menyediakan waktu, tenaga dan pikiran serta kesabaran untuk mengarahkan penyusun dalam penelitian dan penulisan skripsi ini.

4. Yandra Rahardian Pradana, M.T selaku Dosen Pembimbing Akademik yang telah mengarahkan dan memotivasi selama masa studi.
5. Tutik Farihah, M.T. selaku Kepala Laboratorium Teknik Industri UIN Sunan Kalijaga Yogyakarta yang telah memberikan ruang untuk mengerjakan kegiatan yang berhubungan dengan penelitian
6. Seluruh staff Balai Laboratorium Teknik Industri, dengan kesabarannya telah melayani dan mengurus administrasi penyusun hingga penelitian berjalan lancar.
7. Aditya Prambodo, S.T selaku peneliti pertama yang berkenan untuk dikembangkan oleh penyusun.
8. Seluruh staf dan karyawan Fakultas Sains dan Teknologi Universitas Islam Negeri Sunan Kalijaga Yogyakarta yang telah membantu dan memudahkan sehingga penelitian berjalan dengan lancar.
9. Kedua Orang Tua penyusun yang telah memberikan dukungan moril, materi dan pikiran serta kesabaran dalam membantu memecahkan setiap masalah yang dihadapi penyusun selama masa studi.
10. Teman-teman Teknik Industri 2010 sebagai *partner* kuliah sekaligus keluarga baru.
11. Semua pihak yang telah memberikan dukungan dan dorongan dalam penyusunan skripsi ini yang tidak dapat penyusun sebutkan satu persatu.

Penyusun berharap skripsi ini dapat memberikan manfaat bagi para pembaca umumnya dan bagi penyusun khususnya. Walaupun demikian, penyusun

menyadari bahwa dalam penyusunan skripsi ini terdapat kekurangan. Oleh karena itu, penyusun mengharapkan saran dan kritik yang membangun.

Wassalamu'alaikum Warahmatullahi Wabarakatuh

Yogyakarta, 16 September 2015

Penyusun



DAFTAR ISI

HALAMAN JUDUL	i
HALAMAN PERSETUJUAN	ii
HALAMAN PENGESAHAN.....	iii
HALAMAN PERNYATAAN KEASLIAN.....	iv
HALAMAN MOTTO	v
HALAMAN PERSEMBAHAN	vi
KATA PENGANTAR	vii
DAFTAR ISI	x
DAFTAR TABEL	xii
DAFTAR GAMBAR.....	xiii
DAFTAR LAMPIRAN	xv
ABSTRAK	xvi
BAB I PENDAHULUAN.....	1
1.1. Latar Belakang	1
1.2. Rumusan Masalah	4
1.3. Tujuan Penelitian.....	5
1.4. Batasan Masalah.....	5
1.5. Manfaat Penelitian.....	5
1.6. Sistematika Penulisan.....	6
BAB II. TINJAUAN PUSTAKA.....	8
2.1. Posisi Penelitian	8
2.2. Sistem Pendukung Keputusan (SPK).....	14
2.2.1. Konsep Dasar Sistem Pendukung Keputusan (SPK).....	14
2.2.2. Tujuan Sistem Pendukung Keputusan (SPK).....	15
2.2.3. Pengambilan Keputusan	16
2.2.3. Komponen Sistem Pendukung Keputusan (SPK)	17
2.3. Pemodelan Proses.....	19
2.4. Pemodelan Data.....	21
2.5. <i>Fuzzy Multiple Attribute Decision Making (FMADM)</i>	22
2.6. <i>Simple Additive Weighting (SAW)</i>	24
2.7. <i>Eight Golden Rules of Interface Design</i>	25
2.8. Gudang	27
2.8.1. Konsep Dasar Pergudangan.....	27
2.8.2. Operasi Pergudangan.....	29
2.9. Perencanaan <i>Layout</i> Gudang.....	31
2.9.1. Kriteria Komoditi dalam Perancangan <i>Layout</i> Gudang	32
2.9.2. Metode Penyimpanan dalam Gudang.....	35
BAB III METODOLOGI PENELITIAN	38
3.1. Objek Penelitian	38
3.2. Data Penelitian	38

3.3. Metode Pengumpulan Data	38
3.4. Metode Analisis Data	39
3.5. Diagram Alir	43
BAB IV HASIL DAN PEMBAHASAN	46
4.1. Profil Perusahaan.....	46
4.1.1. Sejarah dan Perkembangan Perusahaan	46
4.1.2. Proses Produksi PT Astra Komponen Indonesia.....	47
4.1.3. <i>Part Identification</i>	49
4.2. Pengumpulan Data	51
4.2.1. Aktivitas Produksi dan Pergudangan.....	51
4.2.2. <i>Layout</i> Gudang PT Astra Komponen Indonesia.....	55
4.3. Perancangan Sistem Pendukung Keputusan (SPK)	58
4.3.1. Inisiali Sistem	58
4.3.2. Kerangka Kerja Sistem.....	59
4.3.3. Desain Sistem	63
4.3.4. Implementasi Sistem	97
4.4. Pembahasan.....	98
BAB V PENUTUP.....	100
A. Kesimpulan.....	100
B. Saran	101
DAFTAR PUSTAKA	102
LAMPIRAN	

DAFTAR TABEL

Tabel 2.1	Posisi Penelitian.....	8
Tabel 4.1	<i>Event Response</i>	65
Tabel 4.2	<i>Event Handler Diagram</i>	66
Tabel 4.3	Entitas dan Atribut ERD.....	78



DAFTAR GAMBAR

Gambar 2.1 <i>Framework</i> Penelitian Aditya (2012)	10
Gambar 2.2 Contoh Entitas.....	21
Gambar 2.3 Contoh Entitas dengan Atribut.....	22
Gambar 2.4 Contoh Hubungan Dua Entitas	22
Gambar 3.1 Diagram Alir Penelitian	45
Gambar 4.1 Kantor PT Astra Komponen Indonesia.....	46
Gambar 4.2 Posisi Pemasangan <i>Cover Handle Rear</i> pada <i>Steering Handle Unit</i>	49
Gambar 4.3 Identifikasi Komponen <i>Cover Handle Rear</i>	51
Gambar 4.4 <i>Rich Picture Diagram</i> Aktifitas Produksi dan Pergudangan PT. ASKI.....	53
Gambar 4.5 <i>Layout Gudang Lantai 2</i>	56
Gambar 4.6 <i>Pipe Rack</i> Penyimpanan Komponen PT. ASKI.....	58
Gambar 4.7 Kerangka Sistem kerja	62
Gambar 4.8 <i>Context Diagram</i> SPK Perancangan Susunan Rak Komponen.....	63
Gambar 4.9 Diagram Dekomposisi SPK Susunan Rak Komponen..	64
Gambar 4.10 <i>Event Diagram</i> Input Data Komponen.....	68
Gambar 4.11 <i>Event Diagram</i> Input Data Material.....	68
Gambar 4.12 <i>Event Diagram</i> Input Data BOM	69
Gambar 4.13 <i>Event Diagram</i> Input Data <i>Order Picking</i> Komponen ..	70
Gambar 4.14 <i>Event Diagram</i> Input Data <i>Order Picking</i> Material.....	70
Gambar 4.15 <i>Event Diagram</i> Pengolahan Data <i>Process Similarity</i>	71
Gambar 4.16 <i>Event Diagram</i> Pengolahan Data dengan SAW	72
Gambar 4.17 <i>Event Diagram</i> Pengolahan Data dengan CBS	72
Gambar 4.18 <i>Event Diagram Report</i> Data Komponen.....	73
Gambar 4.19 <i>Event Diagram Report</i> Data <i>Bill of Material</i>	73
Gambar 4.20 <i>Event Diagram Report</i> Nilai Preferensi Komponen.....	74
Gambar 4.21 <i>Event Diagram Report</i> <i>Order Picking</i> Komponen	74
Gambar 4.22 <i>Event Diagram Report</i> <i>Order Picking</i> Material.....	75
Gambar 4.23 <i>Event Diagram Report</i> Data <i>Layout Rak Kanan</i>	76
Gambar 4.24 <i>Event Diagram Report</i> Data <i>Layout Rak Kiri</i>	76
Gambar 4.25 <i>Data Flow Diagram</i> (DFD).....	77
Gambar 4.26 <i>Entitas Relation Diagram</i> (ERD).....	80
Gambar 4.27 <i>Flowchar</i> Model <i>Process Similarity</i>	81
Gambar 4.28 <i>Flowchar</i> Model SAW.....	83
Gambar 4.29 <i>Flowchar</i> Model CBS.....	84
Gambar 4.30 <i>Design User Interface</i> Main Menu.....	88
Gambar 4.31 <i>Design User Interface</i> Entri Data.....	89
Gambar 4.32 <i>Design User Interface</i> Prapreferensi.....	91

Gambar 4.33 <i>Design User Interface Preferensi</i>	92
Gambar 4.34 <i>Design User Interface Storage</i>	94
Gambar 4.35 <i>Design User Interface Laporan</i>	96



DAFTAR LAMPIRAN

Lampiran 1 Hasil <i>Print-Out</i>	104
Lampiran 2 <i>Source Code</i>	123
Lampiran 3 <i>Program Running</i>	177



**Sistem Pendukung Keputusan Perancangan Susunan Rak Penyimpanan
Komponen Berdasarkan *Process Similarity* dengan Metode *Simple Additive
Weighting* dan *Class Based Storage* (CBS)**

**Nurhafid Firmansyah
10660045**

ABSTRAK

PT Astra Komponen Indonesia adalah perusahaan di bidang otomotif yang masih memiliki permasalahan pada operasi *warehouse* yakni belum optimalnya penataan rak komponen yang mengakibatkan proses produksi terhambat. Penelitian ini merupakan pengembangan perancangan susunan rak komponen yang dilakukan secara manual oleh Aditya (2012) menjadi Sistem Pendukung Keputusan berbasis *Eight Rules Goldens*. Penelitian ini menfokuskan pada rancangan susunan komponen untuk kegiatan *order picking* dan *storage* di gudang penyimpanan komponen PT Astra Komponen Indonesia. Model yang digunakan dalam penelitian ini adalah *Process Similarity*, *Simple Additive Weighting* (SAW) dan *Class Based Storage* (CBS). Pada model *Process Similarity* diperoleh data komponen yang dikelompokkan berdasarkan nilai *order picking* material yang kemudian diproses dengan metode SAW berdasarkan lima kriteria komoditi untuk menentukan perangkingan komponen. Sedangkan untuk penyusunan rak komponen dilakukan dengan metode CBS dengan mempertimbangkan *safety stock* tertinggi tiap-tiap komponen. Dalam merancangan SPK pada penelitian ini memperhatikan desain *user interface* yang baik dengan menerapkan prinsip *Eight Golden Rules of Interface Design*. Berdasarkan pengujian sistem dihasilkan susunan rak komponen, diambil rak terdepan dalam susunan ini adalah: rak kiri atas *NUT SPRING 4 MM (90302-GW3-9800)*, rak kiri bawah *BLADE FUSE MINI 10A*, rak kanan atas dan rak kanan bawah berupa *BAR SEAT LOCK KVY*

Kata Kunci: *Sistem Pendukung Keputusan, Order Picking, Gudang, Process Similarity, Simple Additive Weighting, Class Based Storage.*

BAB I

PENDAHULUAN

1.1 Latar Belakang

Dewasa ini banyak perusahaan manufaktur yang melakukan manuver ekonomi guna meningkatkan elektabilitas perusahaan baik dalam tataran ekonomi mikro maupun makro. Hal tersebut dibuktikan dengan adanya upaya-upaya perbaikan yang dilakukan perusahaan dengan cara rekonstruksi sistem bisnis. Upaya-upaya tersebut ditandai dengan adanya inovasi dan improvisasi sistem multi-lini perusahaan, yang lebih dikenal sebagai efektifitas produksi. Efektifitas produksi bisa diartikan memproduksi yang diperlukan, pada waktu yang dibutuhkan pelanggan, dalam jumlah yang dibutuhkan pelanggan, pada tiap-tiap proses dengan cara yang paling ekonomis dan paling efisien melalui eliminasi pemborosan (*waste elimination*) dan perbaikan proses secara terus menerus (*contionous process improvement*). Maka konsep ini lebih dikenal sebagai sistem produksi *just in time* (JIT) (Ginting, 2007).

Sistem JIT dalam mengontrol proses produksi menggunakan instrumen visual sistem yang disebut kartu kanban. Kartu kanban digunakan untuk menghubungkan informasi antar lini produksi mulai dari pengambilan barang, pemindahan barang dan informasi produksi. Dalam optimalisasi sistem kanban dilakukan persiapan *pra-kanban*, persiapan ini dimaksudkan untuk mengurangi *gap* di setiap *workcenter*. Salah satu persiapan *pra-kanban* yang dilakukan adalah efektifitas pergudangan, mengingat sistem pergudangan sebagai titik awal proses produksi, maka diperlukan penataan gudang yang

baik agar bisa memberikan dampak positif terhadap peningkatan produktifitas. Menurut Heragu (1997) tataletak gudang yang baik adalah yang mampu memanfaatkan ruang untuk penyimpanan secara efektif untuk meningkatkan utilitas ruang dan mengurangi biaya *material handling*.

PT Astra Komponen Indonesia merupakan perusahaan penyedia komponen Astra Otomotif memiliki permasalahan harian yaitu pengambilan order (*order picking*) kurang efektif terutama pada pengambilan komponen untuk proses produksi, hal tersebut dikarenakan kurang optimalnya penataan rak komponen di gudang komponen (*bill of material*). Selain itu dalam menentukan susunan rak komponen juga mempertimbangkan proses beberapa hal yang berhubungan dengan proses *pra-storage* sehingga akan memudahkan pegawai gudang dalam proses *put-away* komponen pada rak komponen.

Berdasarkan permasalahan tersebut diperlukan sistem pergudangan yang efektif dan efisien sesuai kebutuhan proses produksi. Hal yang dilakukan pada penelitian ini adalah perbaikan *layout* rak komponen yang mengacu pada kanban proses berdasarkan *process similarity* (kesamaan proses produksi) dimana komponen disimpan dalam rak komponen dikelompokkan berdasarkan aliran arus barang (*flow moving*). Hal sama yang harus diperhatikan adalah karakteristik rak guna memudahkan penanganan rak dalam proses *put-away* komponen pada rak komponen. Sehingga dalam proses pergudangan baik pada proses *order picking* atau proses penyimpanan dapat berjalan dengan lebih efektif.

Penelitian yang sama sudah dilakukan oleh Aditya (2012) yaitu dengan metode SAW (*Simple Additive Weighting*) untuk lima kriteria komoditi melalui proses eliminasi komponen terlebih dahulu untuk mendapatkan nilai preferensi yang sempurna. Pada penelitian Aditya (2012) belum dilakukan mekanisme perancangan susunan rak komponen, mengingat penyusunan rak komponen penting untuk mempermudah kegiatan *order picking* komponen dan penanganan komponen *pra-storage*. Pada penelitian yang dilakukan Hapsari (2012) juga dijelaskan bahwa metode CBS dapat meminimalisir jarak dan waktu pengambilan mesin fotokopi dari gudang dibandingkan dengan penataan secara manual, maka dalam penelitian ini digunakan metode CBS (*class based storage*) untuk perancangan susunan rak berdasarkan kesamaan proses. Sedangkan untuk mengetahui jumlah slot yang dibutuhkan dalam penyusunan rak dibutuhkan data *safety stock* pada masing-masing komponen.

Pada penelitian Aditya (2012) masih terdapat beberapa kekurangan diantaranya pengolahan data yang masih manual. Sistem manual perancangan usulan susunan rak komponen yang dilakukan Aditya (2012) memerlukan waktu yang cukup lama mengingat data olahan dan tahapan yang tidak sedikit sehingga kurang efisien dalam memutuskan suatu kebijakan penataan rak komponen. Sistem manual juga kurang memberikan kerangka laporan yang kodifikatif sehingga sukar dalam memberikan solusi mengenai sistem pergudangan di gudang komponen. Selain itu sistem manual ini belum memberikan solusi yang kongkrit berupa *problem solver* yang kontinyu tetapi lebih sekedar memberikan solusi berdasarkan data dalam kurun waktu

tertentu. Maka dalam pengembangan penelitian ini diperlukan sistem semi-otomasi yang lebih fleksibel dan berdaya solusi yang konsisten.

Sistem semi-otomasi yang dimaksud dirancang dan dikembangkan dalam penelitian ini menggunakan program *Visual Basic 6.0* dan *Microsoft Acces* sebagai pengendalian *database* komponen-komponen perusahaan. Proses penyusunan rancangan susunan rak komponen dilakukan hanya dengan meng-*input* data dan pengolahan yang semi otomasi sehingga proses perancangan susunan rak komponen dapat dilakukan lebih efisien. Selain itu sistem terotomasi dalam penelitian ini juga memberikan informasi yang fleksibel dan dapat digunakan secara berkala sehingga membantu pihak managerial lebih efektif dalam mengambil keputusan.

1.2 Rumusan Masalah

Dirumuskan rumusan masalah dari latar belakang yang telah dipaparkan sebagai berikut :

1. Bagaimana merancang sistem pendukung keputusan perancangan susunan rak komponen berdasarkan *Process Similarity* dengan metode *Simple Additive Weighting (SAW)* dan *Class Based Storage (CBS)*?
2. Bagaimana rancangan aplikasi yang menerapkan prinsip desain *user interface*?

1.3 Tujuan Penelitian

Adapun tujuan dalam pembuatan sistem pendukung keputusan ini adalah sebagai berikut :

1. Mendapatkan rancangan sistem pendukung keputusan perancangan susunan rak komponen.
2. Mendapatkan rancangan aplikasi sesuai prinsip desain *user interface*

1.4 Batasan Masalah

Sesuai pemaparan pada latar belakang di atas diperlukan batasan-batasan permasalahan pada penelitian ini, diantaranya sebagai berikut :

1. Data yang digunakan adalah data komponen, data material, data rak komponen dan data *order picking* selama 1-30 April 2012 di PT Astra Komponen Indonesia
2. Melalui pendekatan *Process Similarity*
3. Menggunakan metode *Simple Additive Weighting* (SAW)
4. Menggunakan metode *Class Based Storage* (CBS)
5. Aplikasi yang dibuat menggunakan *Visual Basic 6.0* dan *Microsoft Access 2007*

1.5 Manfaat Penelitian

Manfaat pembuatan sistem ini adalah sebagai berikut :

1. Dapat membantu menentukan susunan rak komponen
2. Memberikan informasi *print-out* susunan rak komponen kanan dan kiri, *print-out* laporan *order picking* komponen, *print-out* nilai preferensi berdasarkan *process similarity* dan *print-out* label rak komponen.

1.6 Sistematika Penulisan

Rancangan sistematika penulisan secara keseluruhan dibedakan menjadi 5 bab. Kelima bab tersebut diuraikan sebagai berikut:

BAB I PENDAHULUAN

Pada bab ini diuraikan tentang latar belakang masalah atau pokok permasalahan yang ada di lapangan, perumusan masalah, tujuan, manfaat, batasan masalah, dan sistematika penelitian.

BAB II TINJAUAN PUSTAKA

Bab ini mencantumkan beberapa penelitian terdahulu untuk melihat perbandingan tujuan, metode, dan hasil analisa. Bab ini juga mencakup segala hal yang dapat dijadikan sebagai dasar bagi tema penelitian, penentuan langkah pelaksanaan, dan metode analisa yang diambil dari beberapa pustaka yang ada. Selain itu, bab ini juga berisi konsep mengenai Sistem Pendukung Keputusan (SPK), perancangan sistem (pemodelan proses dan pemodelan data), konsep dasar pergudangan, pendekatan *Process Similarity*, *Simple Additive Weighting* (SAW) dan *Class Based Storage* (CBS)

BAB III METODOLOGI PENELITIAN

Bab ini berisi tentang objek penelitian, jenis data yang digunakan metode pengumpulan data, metode analisis data, dan kerangka alir penelitian.

BAB IV ANALISIS DAN PERANCANGAN SISTEM

Bab ini menyajikan berbagai data dari hasil observasi yang telah diolah, desain perancangan SPK yang meliputi pemodelan proses dan pemodelan data, serta pembahasan lain untuk mencapai tujuan dan manfaat penelitian.

BAB V KESIMPULAN DAN SARAN

Bab ini mencakup kesimpulan dari hasil analisis pemecahan masalah untuk mencapai tujuan penelitian guna menjawab rumusan masalah, saran-saran kepada pihak-pihak yang terkait dalam penelitian, serta memaparkan kekurangan penelitian dan prospek penelitian selanjutnya.

BAB V

KESIMPULAN DAN SARAN

5.1. Kesimpulan

Berdasarkan pembahasan pada bab sebelumnya maka dapat diambil kesimpulan sebagai berikut:

1. Sistem Pendukung Keputusan (SPK) yang telah dirancang dapat digunakan untuk menentukan rancangan rak komponen untuk memudahkan dalam proses *order picking* (pengambilan order) dan *storage* (penyimpanan) berdasarkan *Process Similarity* dengan metode SAW dan metode CBS yang menghasilkan rak kiri atas *NUT SPRING 4 MM (90302-GW3-9800)*, rak kiri bawah *BLADE FUSE MINI 10A*, rak kanan atas dan rak kanan bawah berupa *BAR SEAT LOCK KVY*.
2. Hasil rancangan aplikasi memperhatikan aspek desain *user interface* yang baik dengan didasarkan pada penerapan kedelapan prinsip *Eight Golden Rules of Interface Design* menurut Shneiderman (1998). Kedelapan prinsip tersebut yaitu: mengupayakan untuk tetap konsisten penggunaan *short cut* pada bagian yang sering digunakan, tersedianya feedback yang informatif, dialog yang memiliki lingkup tertentu, penanganan kesalahan yang sederhana, memperbolehkan pengguna melakukan pembatalan, memberikan kontrol internal, dan mengurangi aktivitas mengingat.

5.2.Saran

Penelitian ini masih memiliki beberapa keterbatasan maka saran yang dapat diberikan yaitu:

1. Menggunakan sistem *barcode* untuk menginput data *order picking* setiap komponen
2. Menggunakan sistem AGV untuk pengambilan order dan penyimpanan komponen secara otomatis dari rak komponen
3. Pengujian dan validasi sitem dalam hal *penerapan Eight Golden Rules of Interface Design* kepada pengguna.
4. Menyertakan evaluasi jarak tempuh secara otomatis pada proses *order picking* komponen

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Lampiran 1 Hasil *Print-Out*

ASKI

PT ASTRA KOMPONEN INDONESIA

Jl. Raya Mayor Oking Jayaatmaja No.1, KM.2.2. Citeureup, Bogor
Jawa Barat

RAK KANAN

CD	UPPER	LOWER
RAK001	NUT SPRING 4 MM (90302-GW3-9800)	BAR SEAT LOCK KVY
RAK002	NUT SPRING 4 MM (90302-GW3-9800)	BAR SEAT LOCK KVY
RAK003	BAR SEAT LOCK KVY	RUBBER B SEAT SET (77214-KPH-9000)
RAK004	RUBBER B SEAT SET (77214-KPH-9000)	RUBBER B SEAT SET (77214-KPH-9000)
RAK005	BOLT LOCK PLATE SET (77103-MB4-3002)	RUBBER PROTECTOR (81257-KVY-9600)
RAK006	BOLT LOCK PLATE SET (77103-MB4-3002)	STAPLES 1006J BLACK (STEEL H=60 MM)
RAK007	BAR SEAT LOCK KVY	BAR SEAT LOCK KVY
RAK008	RUBBER B SEAT SET (77214-KPH-9000)	RUBBER B SEAT SET (77214-KPH-9000)
RAK009	BOLT LOCK PLATE SET (77103-MB4-3002)	RUBBER PROTECTOR (81257-KVY-9600)
RAK010	BOLT LOCK PLATE SET (77103-MB4-3002)	STAPLES 1006J BLACK (STEEL H=60 MM)
RAK011	NUT SPRING 4 MM (90302-GW3-9800)	BAR SEAT LOCK KVY
RAK012	BAR SEAT LOCK KVY	RUBBER B SEAT SET (77214-KPH-9000)
RAK013	RUBBER B SEAT SET (77214-KPH-9000)	RUBBER B SEAT SET (77214-KPH-9000)
RAK014	BOLT LOCK PLATE SET (77103-MB4-3002)	RUBBER PROTECTOR (81257-KVY-9600)
RAK015	BOLT LOCK PLATE SET (77103-MB4-3002)	STAPLES 1006J BLACK (STEEL H=60 MM)
RAK016	NUT SPRING 4 MM (90302-GW3-9800)	BAR SEAT LOCK KVY
RAK017	BAR SEAT LOCK KVY	BAR SEAT LOCK KVY

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PT ASTRA KOMPONEN INDONESIA
 Jl. Raya Mayor Oking Jayaatmaja No.1, KM.2.2. Citeureup, Bogor
 Jawa Barat

RAK KIRI

CD	UPPER	LOWER
RAK001	NUT SPRING 4 MM (90302-GW3-9800)	BAR SEAT LOCK KVY
RAK002	BAR SEAT LOCK KVY	RUBBER B SEAT SET (77214-KPH-9000)
RAK003	RUBBER B SEAT SET (77214-KPH-9000)	RUBBER B SEAT SET (77214-KPH-9000)
RAK004	BOLT LOCK PLATE SET (77103-MB4-3002)	BOLT LOCK PLATE SET (77103-MB4-3002)
RAK005	STAPLES 1006J BLACK (STEEL H=60 MM)	STAPLES 1006J BLACK (STEEL H=60 MM)
RAK006	NUT SPRING 4 MM (90302-GW3-9800)	BAR SEAT LOCK KVY
RAK007	BAR SEAT LOCK KVY	RUBBER B SEAT SET (77214-KPH-9000)
RAK008	RUBBER B SEAT SET (77214-KPH-9000)	RUBBER B SEAT SET (77214-KPH-9000)
RAK009	BOLT LOCK PLATE SET (77103-MB4-3002)	RUBBER PROTECTOR (81257-KVY-9600)
RAK010	BOLT LOCK PLATE SET (77103-MB4-3002)	STAPLES 1006J BLACK (STEEL H=60 MM)
RAK011	NUT SPRING 4 MM (90302-GW3-9800)	BAR SEAT LOCK KVY
RAK012	BAR SEAT LOCK KVY	RUBBER B SEAT SET (77214-KPH-9000)
RAK013	RUBBER B SEAT SET (77214-KPH-9000)	RUBBER B SEAT SET (77214-KPH-9000)
RAK014	BOLT LOCK PLATE SET (77103-MB4-3002)	RUBBER PROTECTOR (81257-KVY-9600)
RAK015	BOLT LOCK PLATE SET (77103-MB4-3002)	STAPLES 1006J BLACK (STEEL H=60 MM)
RAK016	BOLT LOCK PLATE SET (77103-MB4-3002)	BOLT LOCK PLATE SET (77103-MB4-3002)
RAK017	NUT SPRING 4 MM (90302-GW3-9800)	BOLT LOCK PLATE SET (77103-MB4-3002)
RAK018	BAR SEAT LOCK KVY	BAR SEAT LOCK KVY
RAK019	RUBBER B SEAT SET (77214-KPH-9000)	RUBBER B SEAT SET (77214-KPH-9000)
RAK020	BOLT LOCK PLATE SET (77103-MB4-3002)	RUBBER PROTECTOR (81257-KVY-9600)
RAK021	BAR SEAT LOCK KVY	BAR SEAT LOCK KVY
RAK022	BAR SEAT LOCK KVY	BAR SEAT LOCK KVY
RAK023	NUT SPRING 4 MM (90302-GW3-9800)	BAR SEAT LOCK KVY
RAK024	BAR SEAT LOCK KVY	RUBBER B SEAT SET (77214-KPH-9000)
RAK025	RUBBER B SEAT SET (77214-KPH-9000)	RUBBER B SEAT SET (77214-KPH-9000)
RAK026	NUT SPRING 4 MM (90302-GW3-9800)	BAR SEAT LOCK KVY
RAK027	NUT SPRING 4 MM (90302-GW3-9800)	BAR SEAT LOCK KVY



PT ASTRA KOMPONEN INDONESIA
 Jl. Raya Mayor Oking Jayaatmaja No.1, KM.2.2. Citeureup, Bogor
 Jawa Barat

DAFTAR KOMPONEN

CD	COMPONENT	TP	WG	CH	UP	LW
KOM0001	NUT SPRING 4 MM (90302-GW3-9800)	44220	26800	5	300000	180000
KOM0002	BAR SEAT LOCK KVV	44220	42000	5	30000	18000
KOM0003	RUBBER B SEAT SET (77214-KPH-9000)	46800	10720	5	32000	16000
KOM0004	BOLT LOCK PLATE SET (77103-MB4-3002)	46800	10720	5	32000	16000
KOM0005	STAPLES 1006J BLACK (STEEL H=60 MM)	9250	18432	5	2376	1080
KOM0006	RUBBER PROTECTOR (81257-KVY-9600)	44220	16000	5	300000	180000
KOM0007	RUBBER SEAL (77115-KVB-9000)	29040	12320	5	8800	4000
KOM0008	GUARD HEAT (80107-KVY-900)	44220	26460	5	22500	13500
KOM0009	CAP BOX LUGGAGE 81252-KVP-9000	44221	5820	5	45000	27000
KOM0010	BLADE FUSE MINI 15A	29412	13400	10	200000	120000
KOM0011	BLADE FUSE MINI 10A	29412	13400	10	200000	120000
KOM0012	INSERT D22435-3270 (DENSO)	4752	9840	10	540000	324000
KOM0013	NUT 949056-4190 (DENSO)	4752	11840	10	180000	108000
KOM0014	NUT CLIP 5 MM (90677-KAN-T001)	44220	48800	5	300000	180000
KOM0015	RUBBER C SEAT SET (77215-KW7-9000)	46800	15920	5	64000	32000
KOM0016	COLLAR 12 MM (19512-KCW-8500-H1)	46800	44800	5	160000	80000
KOM0017	CUSHION 441-D01N-30-016-100	44220	1620	5	450000	270000
KOM0018	GROMET MP COVER (64312-KWW-6400)	53568	7900	5	60000	40000
KOM0019	PLASTIK,ASP P06 MIRROR,12X40X0.05MM	44220	32000	5	120000	72000
KOM0020	STICKER,S43 HOLOGRAM AOP ASKO	44220	81000	5	202500	121500
KOM0021	STICKER,GELAS PECAH & HONDA MERAH	44220	86400	5	81000	48600
KOM0022	BAR SEAT LOCK (77102-KWB -6000)	44220	73840	5	30000	18000
KOM0023	PLATE SEAT (77200-KZLG-9301-26)	44220	4920	5	300000	180000
KOM0024	PAD 441-D01N-30-018-100	44220	3252	5	22500	13500
KOM0025	INSERT 022435-3250 (DENSO)	4752	11280	10	180000	108000
KOM0026	INSERT D22435-3060 (DENSO)	4752	5640	10	270000	162000
KOM0027	PLATE SEAT KWWWX	44220	8960	5	120000	72000
KOM0028	TAPE MIRROR 441-D01N-30-013-100	44220	11700	5	75000	45000
KOM0029	TAPE BUTYL 441-D01N-30-014-100	19656	10560	5	96000	56000
KOM0030	STOPER RUBBER A STAND KVB	52920	24700	5	30000	20000
KOM0031	BAR SEAT LOCK KVBA	44220	36720	5	30000	18000
KOM0032	MARKING TAPE BLUE 441-D01N-30-015-100	44220	3600	5	300000	180000
KOM0033	REAR VIEW MIRROR BACK RH ASKI	44220	16632	5	18000	10800
KOM0034	REAR VIEW MIRROR BACK LH ASKI	44220	16632	5	18000	10800
KOM0035	SUB ASSY STAY ULIR KANAN ASKI	17000	7000	5	4000	2400
KOM0036	LABEL AIR CLEANER ELEMENT NOTICE	17000	126000	5	504000	302400
KOM0037	COLLAR 6,2 X 20 (90502-KPH-9000)	44220	46200	5	90000	54000
KOM0038	RUBBER BOX MOUNT (81253-KPHA-9000)	46800	16920	5	32000	16000
KOM0039	BOLT SEAT HINGE (90105-KPH-9000)	44220	48240	5	30000	18000

CD	COMPONENT	TP	WG	CH	UP	LW
KOM0040	HINGE SEAT (77201-KWB-6000)	44220	23280	5	9000	5400
KOM0041	REAR VIEW MIRROR NEW ASPIRA LH	44220	15936	5	18000	10800
KOM0042	REAR VIEW MIRROR NEW ASPIRA RH	44220	15936	5	18000	10800
KOM0043	SUB ASSY STAY ULIR KANAN NEW ASPIRA	17000	7000	5	4000	2400
KOM0044	REAR VIEW MIRROR RH 441-D01N	44220	39120	5	7500	4500
KOM0045	REAR VIEW MIRROR LH 441-D01N	44220	39120	5	7500	4500
KOM0046	CHAMBER SUCTION LOWER BZ040	44220	2128	5	1140	684
KOM0047	COLLAR CHAMBER SUCTION (21141-D41T3)	44220	11600	5	150000	90000
KOM0048	CHAMBER SUCTION UPPER BZ040	44220	2128	5	1140	684
KOM0049	COLLAR CARIER (81202-KWF-9000)	44220	36180	5	90000	54000
KOM0050	REFLECTOR SAFETY TRIANGEL 430	44220	9400	5	3000	1800
KOM0051	SPACE SAFETY TRIANGEL 430 BLACK	44220	2880	5	1350	810
KOM0052	RETAINER CLIP SAFETY TRIANGLE 1004	44220	975	5	22500	13500
KOM0053	WASHER 1007	44220	9200	5	150000	90000
KOM0054	SOLID RIVET 1006	44220	9600	5	150000	90000
KOM0055	TOOL BAG SAFETY TRIANGLE 430 NISSAN	17856	11240	5	21000	10500
KOM0056	BASE STANDING PLATE 1005	44220	24980	5	7500	4500
KOM0057	SUB ASSY STAY RH-LH KZLG	17000	7000	5	4000	2400
KOM0058	PLUG RUBBER (445021-5900)	59644	13080	5	24000	12000
KOM0059	NUT HEX 4 MM GN5 (94001-04000-OS)	44220	6900	5	15000	9000
KOM0060	SCREW OVAL 4 X 18 GN5 (93700-04017-1G)	17000	18100	5	400000	240000
KOM0061	MAT LUGGAGE BOX (81251-KZLA-9300)	44220	8140	5	75000	45000
KOM0062	PLUG HOLE (90656-GCC-0001)	44220	2200	5	75000	45000
KOM0063	RUBBER SEAL (77115-KWWM-6401-H1)	29040	6160	5	4000	2000
KOM0064	BAR SEAT LOCK KYTF	44220	39800	5	30000	18000
KOM0065	PLUG RUBBER (445021-5920)	59644	10000	5	24000	12000
KOM0066	INSERT 0022435-5380 (DENSO)	4752	2000	5	180000	108000
KOM0067	LABEL ENGINE START	22110	14400	5	1080000	684000
KOM0068	NUT SPRING 4 MM (90302-KWW A000)	44220	30240	5	270000	162000
KOM0069	BAR SEAT LOCK (77200-KZLG-A000-27)	44220	43280	5	30000	18000
KOM0070	SUB ASSY STAY ULIR KIRI NEW ASPIRA	17000	7000	5	4000	2400
KOM0071	INSERT 022435-3260 (DENSO)	4752	10800	10	540000	324000
KOM0072	REAR VIEW MIRROR BACK LH KWCA	44220	35604	5	13500	8100
KOM0073	REAR VIEW MIRROR BACK RH KWCA	44220	35604	5	13500	8100
KOM0074	NUT,INSERT (11522-MN5-3100)	44220	39520	5	75000	45000
KOM0075	COLLAR,DISTANCE (90311-KVB-9000)	44220	16340	5	75000	45000
KOM0076	VELCRO 34 MM NISSAN	44220	3150	5	7500	4500
KOM0077	PLATE SEAT 77201-KWWF-A000	44220	11840	5	120000	72000
KOM0078	MARKING TAPE RED & YELLOW	44220	3600	5	300000	180000
KOM0079	BOLT M10X125 STYLISH ULIR KANAN	17000	34720	5	40000	24000
KOM0080	CAP STYLISH	22110	10128	5	90000	54000
KOM0081	SCREW 4 X 16 STYLISH	17000	10200	5	200000	120000
KOM0082	SPRING STYLISH	22110	1640	5	70000	36000
KOM0083	COVER MIRROR LH STYLISH R-333 SCRT	44220	600	5	900	540
KOM0084	COVER MIRROR RH STYLISH R-333 SCRT	44220	600	5	900	540
KOM0085	COVER MIRROR LH STYLISH NH-1 BLACK	44220	600	5	900	540
KOM0086	COVER MIRROR RH STYLISH NH-1 BLACK	44220	600	5	900	540
KOM0087	REAR VIEW MIRROR BACK LH STYLISH	44220	27504	5	18000	10800
KOM0088	REAR VIEW MIRROR BACK RH STYLISH	44220	27504	5	18000	10800

CD	COMPONENT	TP	WG	CH	UP	LW
KOM0090	HOLDER MIRROR BACK RH STYLISH	44220	2880	5	1800	1080
KOM0091	HOUSING LH STYLISH	44220	3300	5	495	297
KOM0092	HOUSING RH STYLISH	44220	3300	5	495	297
KOM0093	NUT HEXAGON (JK-90160-06051)	22110	4320	5	60000	36000
KOM0094	COLLAR (16150-KSPL-B000-21)	17000	25320	5	400000	240000
KOM0095	INSERT (TSH36006-2364)	22110	10080	5	360000	216000
KOM0096	BUSH (11372-K07A-9000)	22110	11000	5	300000	180000
KOM0097	LABEL TIRE (87505-KZR -6000)	44220	18480	5	180000	108000
KOM0098	GROMET A/C CASE (83551-GE2-0000)	44220	9680	5	60000	36000
KOM0099	CAT MARABU	44220	6000	5	90	54
KOM0100	MAIN STAND STOPPER RUBR (50524-	52920	8900	5	12000	8000
KOM0101	KARTON BOX ATL110	25200	1565	5	0	0
KOM0102	RUBBER B SEAT MOUNT (77208-KW7-9600)	46800	6280	5	32000	16000
KOM0103	BOLT M10X125 LH STYLISH	17000	49500	5	60000	36000
KOM0104	SUB ASSY STAY RH-LH KVYP	17000	7000	5	4000	2400
KOM0105	RUBBER CUSHION (64341-KWWF-A000)	44220	10000	5	150000	90000
KOM0106	HINGE COMP SEAT (77110-KWCA-9003)	44220	23200	5	1500	900
KOM0107	PLATE COMP INSERT (77205-KGH-9000-H1)	44220	12460	5	3000	1800
KOM0108	BAR SEAT LOCK KWCA	44220	14240	5	30000	18000

Printed at Wednesday, September 16, 2015 By _____

ASKI**PT ASTRA KOMPONEN INDONESIA**Jl. Raya Mayor Oking Jayaatmaja No.1, KM.2.2. Citeureup, Bogor
Jawa Barat**BILL OF MATERIAL**

CD	MATERIAL	OR KOMPONEN
MAT0001	PLATE BOTTOM KVYP (SFG)	1 RUBBER B SEAT SET (77214-KPH-9000) 1 RUBBER PROTECTOR (81257-KVY-9600) 1 BAR SEAT LOCK KVY
MAT0002	BOX LUGGAGE ASSY KVYP	1 CAP BOX LUGGAGE 81252-KVP-9000 1 BLADE FUSE MINI 10A 1 BLADE FUSE MINI 15A 1 GUARD HEAT (80107-KVY-900) 1 NUT SPRING 4 MM (90302-GW3-9800)
MAT0003	STEP FLOOR ASSY KVYP	1 NUT CLIP 5 MM (90677-KAN-T001) 1 NUT SPRING 4 MM (90302-GW3-9800)
MAT0004	FAN COMP COOLING KVY	1 COLLAR 12 MM (19512-KCW-8500-H1)
MAT0005	SHROUD FAN ASSY JK222710-5000 D40G	1 INSERT D22435-3060 (DENSO) 1 INSERT D22435-3250 (DENSO) 1 INSERT D22435-3270 (DENSO) 1 NUT 949056-4190 (DENSO)
MAT0006	PLATE BOTTOM KZRA (SFG)	1 BOLT LOCK PLATE SET (77103-MB4-3002) 1 RUBBER C SEAT SET (77215-KW7-9000) 1 BAR SEAT LOCK KVY
MAT0007	COVER ASSY FRONT LOWER KVY	1 NUT SPRING 4 MM (90302-GW3-9800)
MAT0008	PLATE BOTTOM KZTA (SFG)	1 BOLT LOCK PLATE SET (77103-MB4-3002)

CD	MATERIAL	OR KOMPONEN
		1 RUBBER SEAL (77115-KVB-9000) 1 STOPER RUBBER A STAND KVB (95011-61000) 1 BAR SEAT LOCK KVBA
MAT0009	SEAT COMP DOUBLE KVYP	1 STAPLES 1006J BLACK (STEEL H=60 MM)
MAT0010	MIRROR,BACK (SET)	1 STICKER,S43 HOLOGRAM AOP ASKO 1 REAR VIEW MIRROR BACK LH ASKI 1 REAR VIEW MIRROR BACK RH ASKI 1 SUB ASSY STAY ULIR KANAN ASKI 1 PLASTIK,ASP P06 MIRROR,12X40X0,05MM 1 STICKER,GELAS PECAH & HONDA MERAH
MAT0011	PLATE BOTTOM KWWX (SFG)	1 BOLT LOCK PLATE SET (77103-MB4-3002) 1 RUBBER B SEAT SET (77214-KPH-9000) 1 BAR SEAT LOCK (77102-KWB -6000) 1 RUBBER SEAL (77115-KWWW-6401-H1) 1 PLATE SEAT KWWX
MAT0012	LOWER COVER LH 441-D01N-30-003-111	1 CUSHION 441-D01N-30-016-100
MAT0013	LOWER COVER RH 441-D01N-30-003-110	1 CUSHION 441-D01N-30-016-100
MAT0014	COVER L MAIN PIPE SIDE ASSY KWWX	1 GROMET MP COVER (64312-KWW-6400)
MAT0015	COVER R MAIN PIPE SIDE ASSY KWWX	1 GROMET MP COVER (64312-KWW-6400)
MAT0016	BOX LUGGAGE ASSY KWWX	1 BOLT SEAT HINGE (90105-KPH-9000) 1 HINGE SEAT (77201-KWB-6000) 1 RUBBER BOX MOUNT (81253-KPHA-9000) 1 COLLAR 6,2 X 20 (90502-KPH-9000) 1 LABEL AIR CLEANER ELEMENT NOTICE 1 NUT CLIP 5 MM (90677-KAN-T001)
MAT0017	SHROUD FAN ASSY JK222710-5062 D01N	1 INSERT D22435-3270 (DENSO)

CD	MATERIAL	OR KOMPONEN
		1 NUT 949056-4190 (DENSO)
MAT0018	GASKET LH 441-D01N-30-005-111	1 PAD 441-D01N-30-018-100
MAT0019	GASKET RH 441-D01N-30-005-110	1 PAD 441-D01N-30-018-100
MAT0020	COVER UNDER ASSY KZRA	1 NUT SPRING 4 MM (90302-GW3-9800)
MAT0021	SEAT COMP DOUBLE KZTA	1 STAPLES 1006J BLACK (STEEL H=60 MM)
MAT0022	FAN COMP COOLING KZRA	1 COLLAR 12 MM (19512-KCW-8500-H1)
MAT0023	STEP FLOOR SET KVBW BLACK	1 NUT SPRING 4 MM (90302-GW3-9800)
MAT0024	SEAT COMP DOUBLE KZRA	1 STAPLES 1006J BLACK (STEEL H=60 MM)
MAT0025	HOLDER MIRROR LH	1 REAR VIEW MIRROR LH 441-D01N 1 TAPE BUTYL 441-D01N-30-014-100 1 MARKING TAPE BLUE 441-D01N-30-015-100 1 MARKING TAPE RED & YELLOW 1 TAPE MIRROR 441-D01N-30-013-100
MAT0026	HOLDER MIRROR RH	1 REAR VIEW MIRROR RH 441-D01N 1 TAPE BUTYL 441-D01N-30-014-100 1 MARKING TAPE BLUE 441-D01N-30-015-100 1 MARKING TAPE RED & YELLOW 1 TAPE MIRROR 441-D01N-30-013-100
MAT0027	CHAMBER SUCTION 21141-BZ040	1 COLLAR CHAMBER SUCTION (21141-D41T3) 1 CHAMBER SUCTION LOWER BZ040 1 CHAMBER SUCTION UPPER BZ040 1 TAPE MIRROR 441-D01N-30-013-100

CD	MATERIAL	OR KOMPONEN
MAT0028	RR GRAB RAIL KYEA (SFG)	1 COLLAR CARIER (81202-KWF-9000)
MAT0029	CAP BLIND SUCTION JK447126-0151	1 PLUG RUBBER (445021-5900)
MAT0030	SEAT COMP DOUBLE KWWX	1 STAPLES 1006J BLACK (STEEL H=60 MM)
MAT0031	MIRROR.BACK (SET) HND	1 STICKER,S43 HOLOGRAM AOP ASKO 1 PLASTIK,ASP P06 MIRROR,12X40X0,05MM 1 REAR VIEW MIRROR NEW ASPIRA RH 1 REAR VIEW MIRROR NEW ASPIRA LH 1 SUB ASSY STAY ULIR KANAN NEW ASPIRA 1 STICKER,GELAS PECAH & HONDA MERAH
MAT0032	BOX LUGGAGE KZLN	1 MAT LUGGAGE BOX (81251-KZLA-9300) 1 PLUG HOLE (90656-GCC-0001)
MAT0033	PLATE BOTTOM K07A (SFG)	1 BOLT LOCK PLATE SET (77103-MB4-3002) 1 RUBBER B SEAT SET (77214-KPH-9000) 1 BAR SEAT LOCK (77102-KWB -6000) 1 RUBBER SEAL (77115-KWWW-6401-H1) 1 PLATE SEAT KWWX
MAT0034	CAP BLIND DISCHARGE JK447126-4141	1 PLUG RUBBER (445021-5920)
MAT0035	PLATE BOTTOM KYTF (SFG)	1 BOLT LOCK PLATE SET (77103-MB4-3002) 1 RUBBER C SEAT SET (77215-KW7-9000) 1 RUBBER B SEAT SET (77214-KPH-9000) 1 BAR SEAT LOCK KYTF
MAT0036	COVER MAIN PIPE SET K07A	1 NUT SPRING 4 MM (90302-KWW A000) 1 LABEL ENGINE START
MAT0037	SAFETY TRIANGLE 430 NISSAN P32E	1 BASE STANDING PLATE 1005 1 HOUSING RH STYLISH

CD	MATERIAL	OR KOMPONEN
		1 SCREW 4 X 16 STYLISH 1 SPRING STYLISH 1 CAP STYLISH 1 BOLT M10X125 STYLISH ULIR KANAN 1 REFLECTOR SAFETY TRIANGEL 430 1 SPACE SAFETY TRIANGEL 430 BLACK 1 WASHER 1007 1 TOOL BAG SAFETY TRIANGLE 430 NISSAN 1 SOLID RIVET 1006 1 PLATE SEAT (77200-KZLG-9301-26)
MAT0038	PLATE BOTTOM KZLG (SFG)	1 RUBBER C SEAT SET (77215-KW7-9000) 1 BAR SEAT LOCK (77200-KZLG-A000-27)
MAT0039	STEP FLOOR KZLN	1 NUT SPRING 4 MM (90302-GW3-9800)
MAT0040	MIRROR,BACK (SET) YMH	1 STICKER,S43 HOLOGRAM AOP ASKO 1 PLASTIK,ASP P06 MIRROR,12X40X0,05MM 1 REAR VIEW MIRROR NEW ASPIRA RH 1 REAR VIEW MIRROR NEW ASPIRA LH 1 SUB ASSY STAY ULIR KANAN NEW ASPIRA 1 SUB ASSY STAY ULIR KIRI NEW ASPIRA 1 STICKER,GELAS PECAH & HONDA MERAH
MAT0041	COVER COMP AIR MANAGEMENT KVB	1 COLLAR,DISTANCE (90311-KVB-9000) 1 NUT,INSERT (11522-MN5-3100)
MAT0042	MIRROR ASSY LH BACK KZLG	1 NUT HEX 4 MM GN5 (94001-04000-OS) 1 SCREW OVAL 4 X 18 GN5 (93700-04017-1G) 1 REAR VIEW MIRROR BACK LH KWCA 1 SUB ASSY STAY RH-LH KZLG
MAT0043	MIRROR ASSY RH BACK KZLG	1 NUT HEX 4 MM GN5 (94001-04000-OS) 1 SCREW OVAL 4 X 18 GN5 (93700-04017-1G) 1 REAR VIEW MIRROR BACK RH KWCA 1 SUB ASSY STAY RH-LH KZLG
MAT0044	PLATE BOTTOM KYZA (SFG)	1 BOLT LOCK PLATE SET (77103-MB4-3002)

CD	MATERIAL	OR KOMPONEN
		1 RUBBER C SEAT SET (77215-KW7-9000) 1 RUBBER B SEAT SET (77214-KPH-9000) 1 BAR SEAT LOCK (77102-KWB -6000) 1 PLATE SEAT 77201-KWWF-A000
MAT0045	SAFETY TRIANGLE 430 NISSAN X11J	1 REFLECTOR SAFETY TRIANGEL 430 1 SPACE SAFETY TRIANGEL 430 BLACK 1 RETAINER CLIP SAFETY TRIANGLE 1004 BLACK 1 BASE STANDING PLATE 1005 1 WASHER 1007 1 TOOL BAG SAFETY TRIANGLE 430 NISSAN 1 VELCRO 34 MM NISSAN 1 SOLID RIVET 1006
MAT0046	SEAT COMP DOUBLE KYTF	1 STAPLES 1006J BLACK (STEEL H=60 MM)
MAT0047	SHROUD FAN ASSY APV M/T	1 INSERT 0022435-5380 (DENSO) 1 INSERT 022435-3260 (DENSO)
MAT0048	SEAT COMP DOUBLE KYZA	1 STAPLES 1006J BLACK (STEEL H=60 MM)
MAT0049	SEAT COMP DOUBLE KZLG	1 STAPLES 1006J BLACK (STEEL H=60 MM)
MAT0050	SHROUD FAN ASSY APV A/T	1 INSERT 0022435-5380 (DENSO) 1 INSERT D22435-3270 (DENSO)
MAT0051	SHROUD FAN ASSY JK222710-2010 D04T	1 INSERT D22435-3060 (DENSO) 1 INSERT 022435-3250 (DENSO) 1 INSERT D22435-3270 (DENSO) 1 NUT 949056-4190 (DENSO)
MAT0052	SEAT COMP DOUBLE K07A	1 STAPLES 1006J BLACK (STEEL H=60 MM)
MAT0053	HOLDER MIRROR LH D01N EROPA	1 TAPE BUTYL 441-D01N-30-014-100 1 MARKING TAPE RED & YELLOW

CD	MATERIAL	OR KOMPONEN
		1 TAPE MIRROR 441-D01N-30-013-100 1 REAR VIEW MIRROR LH 441-D01N
MAT0054	HOLDER MIRROR RH D01N EROPA	1 TAPE BUTYL 441-D01N-30-014-100 1 MARKING TAPE RED & YELLOW 1 TAPE MIRROR 441-D01N-30-013-100 1 REAR VIEW MIRROR RH 441-D01N
MAT0055	MIRROR ASSY LH BACK STYLISH CVR BK	1 HOLDER MIRROR BACK LH STYLISH 1 SCREW 4 X 16 STYLISH 1 SPRING STYLISH 1 CAP STYLISH 1 BOLT M10X125 STYLISH ULIR KANAN 1 HOUSING LH STYLISH 1 COVER MIRROR LH STYLISH NH-1 BLACK 1 COVER MIRROR LH STYLISH R-333 SCRT RED 1 REAR VIEW MIRROR BACK LH STYLISH
MAT0056	MIRROR ASSY RH BACK STYLISH CVR	1 HOLDER MIRROR BACK RH STYLISH 1 SCREW 4 X 16 STYLISH 1 SPRING STYLISH 1 CAP STYLISH 1 BOLT M10X125 STYLISH ULIR KANAN 1 HOUSING RH STYLISH 1 COVER MIRROR RH STYLISH NH-1 BLACK 1 COVER MIRROR RH STYLISH R-333 SCRT RED 1 REAR VIEW MIRROR BACK RH STYLISH
MAT0057	SHROUD FAN ASSY JK222710-1190-D16D	1 INSERT D22435-3060 (DENSO) 1 INSERT 022435-3260 (DENSO) 1 NUT 949056-4190 (DENSO) 1 INSERT 022435-3250 (DENSO)
MAT0058	CASE S/A BLOWER UPPER JK	1 NUT HEXAGON (JK-90160-06051)
MAT0059	COVER THROT CABLE KYEA	1 COLLAR (16150-KSPL-B000-21)
MAT0060	COVER HANDLE FRONT K07A	1 NUT SPRING 4 MM (90302-GW3-9800)

CD	MATERIAL	OR KOMPONEN
		1 NUT CLIP 5 MM (90677-KAN-T001)
MAT0061	HOLDER MIRROR LH D01N SOUTH	1 REAR VIEW MIRROR LH 441-D01N 1 TAPE BUTYL 441-D01N-30-014-100 1 TAPE MIRROR 441-D01N-30-013-100 1 MARKING TAPE RED & YELLOW
MAT0062	HOLDER MIRROR RH D01N SOUTH	1 REAR VIEW MIRROR RH 441-D01N 1 TAPE BUTYL 441-D01N-30-014-100 1 TAPE MIRROR 441-D01N-30-013-100 1 MARKING TAPE RED & YELLOW
MAT0063	HOUSING THROUTLE UNDER ANF	1 NUT HEX 4 MM GN5 (94001-04000-OS)
MAT0064	GRAB RAIL REAR KYEA R-241	1 COLLAR CARIER (81202-KWF-9000)

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ASKI**PT ASTRA KOMPONEN INDONESIA**Jl. Raya Mayor Oking Jayaatmaja No.1, KM.2.2, Citeureup, Bogor
Jawa Barat**DATA ORDER PICKING**

		Periode: [PILIH]		[PILIH]
TANGGAL	CD	KOMPONEN	OR	
01 April	2012	KOM0001	NUT SPRING 4 MM (90302-GW3-9800)	6
		KOM0002	BAR SEAT LOCK KVY	8
		KOM0003	RUBBER B SEAT SET (77214-KPH-9000)	10
		KOM0004	BOLT LOCK PLATE SET (77103-MB4-3002)	10
		KOM0005	STAPLES 1006J BLACK (STEEL H=60 MM)	1
		KOM0006	RUBBER PROTECTOR (81257-KVY-9600)	6
		KOM0007	RUBBER SEAL (77115-KVB-9000)	3
		KOM0008	GUARD HEAT (80107-KVY-900)	2
		KOM0009	CAP BOX LUGGAGE 81252-KVP-9000	2
		KOM0010	BLADE FUSE MINI 15A	2
		KOM0011	BLADE FUSE MINI 10A	2
		KOM0012	INSERT D22435-3270 (DENSO)	1
		KOM0014	NUT CLIP 5 MM (90677-KAN-T001)	2
		KOM0015	RUBBER C SEAT SET (77215-KW7-9000)	3
		KOM0016	COLLAR 12 MM (19512-KCW-8500-H1)	3
		KOM0017	CUSHION 441-D01N-30-016-100	2
		KOM0022	BAR SEAT LOCK (77102-KWB -6000)	4
		KOM0023	PLATE SEAT (77200-KZLG-9301-26)	2
		KOM0024	PAD 441-D01N-30-018-100	2
		KOM0027	PLATE SEAT KWWX	3
		KOM0028	TAPE MIRROR 441-D01N-30-013-100	2
		KOM0029	TAPE BUTYL 441-D01N-30-014-100	2
		KOM0030	STOPER RUBBER A STAND KVB (95011-61000)	1
		KOM0031	BAR SEAT LOCK KVBA	1
		KOM0032	MARKING TAPE BLUE 441-D01N-30-015-100	2
		KOM0044	REAR VIEW MIRROR RH 441-D01N	1
		KOM0045	REAR VIEW MIRROR LH 441-D01N	1
		KOM0057	SUB ASSY STAY RH-LH KZLG	1
		KOM0058	PLUG RUBBER (445021-5900)	1
		KOM0061	MAT LUGGAGE BOX (81251-KZLA-9300)	2
		KOM0062	PLUG HOLE (90656-GCC-0001)	2
		KOM0063	RUBBER SEAL (77115-KWWW-6401-H1)	3
		KOM0066	INSERT 0022435-5380 (DENSO)	1
		KOM0077	PLATE SEAT 77201-KWWF-A000	1
02 April	2012			

TANGGAL	CD	KOMPONEN	OR
	KOM0001	NUT SPRING 4 MM (90302-GW3-9800)	10
	KOM0002	BAR SEAT LOCK KVY	20
	KOM0003	RUBBER B SEAT SET (77214-KPH-9000)	15
	KOM0004	BOLT LOCK PLATE SET (77103-MB4-3002)	7
	KOM0005	STAPLES 1006J BLACK (STEEL H=60 MM)	2
	KOM0006	RUBBER PROTECTOR (81257-KVY-9600)	13
	KOM0007	RUBBER SEAL (77115-KVB-9000)	10
	KOM0008	GUARD HEAT (80107-KVY-900)	6
	KOM0009	CAP BOX LUGGAGE 81252-KVP-9000	6
	KOM0010	BLADE FUSE MINI 15A	6
	KOM0011	BLADE FUSE MINI 10A	6
	KOM0012	INSERT D22435-3270 (DENSO)	9
	KOM0013	NUT 949056-4190 (DENSO)	8
	KOM0014	NUT CLIP 5 MM (90677-KAN-T001)	1
	KOM0015	RUBBER C SEAT SET (77215-KW7-9000)	13
	KOM0016	COLLAR 12 MM (19512-KCW-8500-H1)	5
	KOM0017	CUSHION 441-D01N-30-016-100	6
	KOM0019	PLASTIK,ASP P06 MIRROR,12X40X0,05MM	1
	KOM0020	STICKER,S43 HOLOGRAM AOP ASKO	1
	KOM0021	STICKER,GELAS PECAH & HONDA MERAH	1
	KOM0022	BAR SEAT LOCK (77102-KWB -6000)	2
	KOM0023	PLATE SEAT (77200-KZLG-9301-26)	11
	KOM0024	PAD 441-D01N-30-018-100	4
	KOM0025	INSERT 022435-3250 (DENSO)	5
	KOM0026	INSERT D22435-3060 (DENSO)	5
	KOM0028	TAPE MIRROR 441-D01N-30-013-100	4
	KOM0029	TAPE BUTYL 441-D01N-30-014-100	4
	KOM0030	STOPER RUBBER A STAND KVB (95011-61000)	3
	KOM0031	BAR SEAT LOCK KVBA	3
	KOM0032	MARKING TAPE BLUE 441-D01N-30-015-100	4
	KOM0033	REAR VIEW MIRROR BACK RH ASKI	1
	KOM0034	REAR VIEW MIRROR BACK LH ASKI	1
	KOM0035	SUB ASSY STAY ULIR KANAN ASKI	1
	KOM0036	LABEL AIR CLEANER ELEMENT NOTICE	1
	KOM0037	COLLAR 6,2 X 20 (90502-KPH-9000)	1
	KOM0038	RUBBER BOX MOUNT (81253-KPHA-9000)	1
	KOM0039	BOLT SEAT HINGE (90105-KPH-9000)	1
	KOM0040	HINGE SEAT (77201-KWB-6000)	1
	KOM0044	REAR VIEW MIRROR RH 441-D01N	2
	KOM0045	REAR VIEW MIRROR LH 441-D01N	2
	KOM0049	COLLAR CARIER (81202-KWF-9000)	3
	KOM0050	REFLECTOR SAFETY TRIANGEL 430	2
	KOM0051	SPACE SAFETY TRIANGEL 430 BLACK	2
	KOM0052	RETAINER CLIP SAFETY TRIANGLE 1004	2
	KOM0053	WASHER 1007	2
	KOM0054	SOLID RIVET 1006	2
	KOM0055	TOOL BAG SAFETY TRIANGLE 430 NISSAN	2
	KOM0056	BASE STANDING PLATE 1005	2
	KOM0058	PLUG RUBBER (445021-5900)	1
	KOM0061	MAT LUGGAGE BOX (81251-KZLA-9300)	2
	KOM0062	PLUG HOLE (90656-GCC-0001)	2

TANGGAL	CD	KOMPONEN	OR
	KOM0065	PLUG RUBBER (445021-5920)	2
	KOM0066	INSERT 0022435-5380 (DENSO)	1
	KOM0069	BAR SEAT LOCK (77200-KZLG-A000-27)	4
	KOM0077	PLATE SEAT 77201-KWWF-A000	2
03 April	2012		
	KOM0001	NUT SPRING 4 MM (90302-GW3-9800)	19
	KOM0002	BAR SEAT LOCK KVY	6
	KOM0003	RUBBER B SEAT SET (77214-KPH-9000)	7
	KOM0004	BOLT LOCK PLATE SET (77103-MB4-3002)	18
	KOM0005	STAPLES 1006J BLACK (STEEL H=60 MM)	1
	KOM0006	RUBBER PROTECTOR (81257-KVY-9600)	2
	KOM0007	RUBBER SEAL (77115-KVB-9000)	13
	KOM0008	GUARD HEAT (80107-KVY-900)	6
	KOM0009	CAP BOX LUGGAGE 81252-KVP-9000	6
	KOM0010	BLADE FUSE MINI 15A	6
	KOM0011	BLADE FUSE MINI 10A	6
	KOM0012	INSERT D22435-3270 (DENSO)	11
	KOM0013	NUT 949056-4190 (DENSO)	11
	KOM0014	NUT CLIP 5 MM (90677-KAN-T001)	5
	KOM0015	RUBBER C SEAT SET (77215-KW7-9000)	7
	KOM0016	COLLAR 12 MM (19512-KCW-8500-H1)	8
	KOM0017	CUSHION 441-D01N-30-016-100	4
	KOM0018	GROMET MP COVER (64312-KWW-6400)	6
	KOM0019	PLASTIK,ASP P06 MIRROR,12X40X0,05MM	3
	KOM0020	STICKER,S43 HOLOGRAM AOP ASKO	3
	KOM0021	STICKER,GELAS PECAH & HONDA MERAH	3
	KOM0022	BAR SEAT LOCK (77102-KWB -6000)	11
	KOM0023	PLATE SEAT (77200-KZLG-9301-26)	7
	KOM0024	PAD 441-D01N-30-018-100	2
	KOM0025	INSERT 022435-3250 (DENSO)	6
	KOM0026	INSERT D22435-3060 (DENSO)	6
	KOM0027	PLATE SEAT KWWX	11
	KOM0028	TAPE MIRROR 441-D01N-30-013-100	2
	KOM0029	TAPE BUTYL 441-D01N-30-014-100	2
	KOM0030	STOPER RUBBER A STAND KVB (95011-61000)	3
	KOM0031	BAR SEAT LOCK KVBA	3
	KOM0032	MARKING TAPE BLUE 441-D01N-30-015-100	2
	KOM0033	REAR VIEW MIRROR BACK RH ASKI	3
	KOM0034	REAR VIEW MIRROR BACK LH ASKI	3
	KOM0035	SUB ASSY STAY ULIR KANAN ASKI	3
	KOM0036	LABEL AIR CLEANER ELEMENT NOTICE	3
	KOM0037	COLLAR 6,2 X 20 (90502-KPH-9000)	3
	KOM0038	RUBBER BOX MOUNT (81253-KPHA-9000)	3
	KOM0039	BOLT SEAT HINGE (90105-KPH-9000)	3
	KOM0040	HINGE SEAT (77201-KWB-6000)	3
	KOM0044	REAR VIEW MIRROR RH 441-D01N	1
	KOM0045	REAR VIEW MIRROR LH 441-D01N	1
	KOM0057	SUB ASSY STAY RH-LH KZLG	2
	KOM0058	PLUG RUBBER (445021-5900)	2

TANGGAL	CD	KOMPONEN	OR
	KOM0059	NUT HEX 4 MM GN5 (94001-04000-OS)	2
	KOM0060	SCREW OVAL 4 X 18 GN5 (93700-04017-1G)	2
	KOM0061	MAT LUGGAGE BOX (81251-KZLA-9300)	2
	KOM0062	PLUG HOLE (90656-GCC-0001)	2
	KOM0063	RUBBER SEAL (77115-KVWM-6401-H1)	5
	KOM0069	BAR SEAT LOCK (77200-KZLG-A000-27)	3
	KOM0072	REAR VIEW MIRROR BACK LH KWCA	1
	KOM0073	REAR VIEW MIRROR BACK RH KWCA	1
	KOM0093	NUT HEXAGON (JK-90160-06051)	1

TANGGAL	CD	KOMPONEN	OR	
04 April	2012	KOM0001	NUT SPRING 4 MM (90302-GW3-9800)	23
		KOM0002	BAR SEAT LOCK KVY	1
		KOM0003	RUBBER B SEAT SET (77214-KPH-9000)	2
		KOM0004	BOLT LOCK PLATE SET (77103-MB4-3002)	7
		KOM0005	STAPLES 1006J BLACK (STEEL H=60 MM)	2
		KOM0007	RUBBER SEAL (77115-KVB-9000)	5
		KOM0008	GUARD HEAT (80107-KVY-900)	13
		KOM0009	CAP BOX LUGGAGE 81252-KVP-9000	13
		KOM0010	BLADE FUSE MINI 15A	13
		KOM0011	BLADE FUSE MINI 10A	13
		KOM0012	INSERT D22435-3270 (DENSO)	7
		KOM0013	NUT 949056-4190 (DENSO)	7
		KOM0014	NUT CLIP 5 MM (90677-KAN-T001)	7
		KOM0015	RUBBER C SEAT SET (77215-KW7-9000)	3
		KOM0016	COLLAR 12 MM (19512-KCW-8500-H1)	6
		KOM0017	CUSHION 441-D01N-30-016-100	2
		KOM0018	GROMET MP COVER (64312-KWW-6400)	2
		KOM0019	PLASTIK,ASP P06 MIRROR,12X40X0,05MM	3
		KOM0020	STICKER,S43 HOLOGRAM AOP ASKO	3
		KOM0021	STICKER,GELAS PECAH & HONDA MERAH	3
		KOM0022	BAR SEAT LOCK (77102-KWB -6000)	3
		KOM0023	PLATE SEAT (77200-KZLG-9301-26)	1
		KOM0024	PAD 441-D01N-30-018-100	4
		KOM0025	INSERT 022435-3250 (DENSO)	5
		KOM0026	INSERT D22435-3060 (DENSO)	5
		KOM0027	PLATE SEAT KWXX	3
		KOM0028	TAPE MIRROR 441-D01N-30-013-100	2
		KOM0029	TAPE BUTYL 441-D01N-30-014-100	2
		KOM0030	STOPER RUBBER A STAND KVB (95011-61000)	1
		KOM0031	BAR SEAT LOCK KVBA	1
		KOM0032	MARKING TAPE BLUE 441-D01N-30-015-100	2
		KOM0033	REAR VIEW MIRROR BACK RH ASKI	3
		KOM0034	REAR VIEW MIRROR BACK LH ASKI	3
		KOM0035	SUB ASSY STAY ULIR KANAN ASKI	3
		KOM0036	LABEL AIR CLEANER ELEMENT NOTICE	4
		KOM0037	COLLAR 6,2 X 20 (90502-KPH-9000)	4
		KOM0038	RUBBER BOX MOUNT (81253-KPHA-9000)	4
		KOM0039	BOLT SEAT HINGE (90105-KPH-9000)	4
		KOM0040	HINGE SEAT (77201-KWB-6000)	4

TANGGAL	CD	KOMPONEN	OR
	KOM0044	REAR VIEW MIRROR RH 441-D01N	1
	KOM0045	REAR VIEW MIRROR LH 441-D01N	1
	KOM0046	CHAMBER SUCTION LOWER BZ040	1
	KOM0047	COLLAR CHAMBER SUCTION (21141-D41T3)	1
	KOM0048	CHAMBER SUCTION UPPER BZ040	1
	KOM0049	COLLAR CARIER (81202-KWF-9000)	1
	KOM0057	SUB ASSY STAY RH-LH KZLG	6
	KOM0059	NUT HEX 4 MM GN5 (94001-04000-OS)	6
	KOM0060	SCREW OVAL 4 X 18 GN5 (93700-04017-1G)	6
	KOM0061	MAT LUGGAGE BOX (81251-KZLA-9300)	4
	KOM0062	PLUG HOLE (90656-GCC-0001)	4
	KOM0064	BAR SEAT LOCK KYTF	2
	KOM0066	INSERT 0022435-5380 (DENSO)	2
	KOM0071	INSERT 022435-3260 (DENSO)	2
	KOM0072	REAR VIEW MIRROR BACK LH KWCA	3
	KOM0073	REAR VIEW MIRROR BACK RH KWCA	3
05 April	2012		
	KOM0001	NUT SPRING 4 MM (90302-GW3-9800)	18
	KOM0002	BAR SEAT LOCK KVY	5
	KOM0003	RUBBER B SEAT SET (77214-KPH-9000)	2
	KOM0004	BOLT LOCK PLATE SET (77103-MB4-3002)	13
	KOM0005	STAPLES 1006J BLACK (STEEL H=60 MM)	5
	KOM0006	RUBBER PROTECTOR (81257-KVY-9600)	2
	KOM0007	RUBBER SEAL (77115-KVB-9000)	13
	KOM0008	GUARD HEAT (80107-KVY-900)	10
	KOM0009	CAP BOX LUGGAGE 81252-KVP-9000	10
	KOM0010	BLADE FUSE MINI 15A	10
	KOM0011	BLADE FUSE MINI 10A	10
	KOM0012	INSERT D22435-3270 (DENSO)	8
	KOM0013	NUT 949056-4190 (DENSO)	8
	KOM0014	NUT CLIP 5 MM (90677-KAN-T001)	6
	KOM0015	RUBBER C SEAT SET (77215-KW7-9000)	3
	KOM0016	COLLAR 12 MM (19512-KCW-8500-H1)	5

ASKI**PT ASTRA KOMPONEN INDONESIA**Jl. Raya Mayor Oking Jayaatmaja No.1, KM.2,2. Citeureup, Bogor
Jawa Barat**HASIL PS DAN SAW**

				<i>Periode: April</i>	2012
CD	MATERIAL	OR	CD	KOMPONEN	PREFER
MAT0001	PLATE BOTTOM KVYP (SFG)	21	KOM0002	BAR SEAT LOCK KVY	0.5078
			KOM0003	RUBBER B SEAT SET	0.4632
			KOM0006	RUBBER PROTECTOR	0.3462
MAT0002	BOX LUGGAGE ASSY KVYP	27	KOM0001	NUT SPRING 4 MM	0.7537
MAT0006	PLATE BOTTOM KZRA (SFG)	14	KOM0004	BOLT LOCK PLATE SET	0.5965
MAT0024	SEAT COMP DOUBLE KZRA	2	KOM0005	STAPLES 1006J BLACK (STEEL	0.1917

Printed at Wednesday, September 16, 2015 By _____

Lampiran 2 Source Code

Form	Source Code
Main Menu	<pre> Private Sub Command1_Click() Unload Me fprapreferensi.Show End Sub Private Sub Command2_Click() dtsaw.Show Unload Me End Sub Private Sub Command3_Click() fentri.Show Unload Me End Sub Private Sub Command4_Click() info.Show Unload Me End Sub Private Sub Command5_Click() End End Sub </pre>
Entri Data	<pre> Public CN As New ADODB.Connection Public RS_KMP As ADODB.Recordset Public RS_MAT As ADODB.Recordset Public RS_BOM As ADODB.Recordset Dim temp(100) As String Sub konek() On Error GoTo err Dim ConString As String Dim Error As String Dim Datapath As String Datapath = App.Path & "\Database2.mdb" ConString = "Provider=Microsoft.JET.OLEDB.4.0;Data Source=" & Datapath & ";Persist Scurity Info;False" If (CN.State = adStateOpen) Then CN.Close Set CN = New ADODB.Recordset End If CN.Open ConString CN.CursorLocation = adUseClient Exit Sub err: Error = "Error Number : " & err.Number & vbCrLf & _ "Error Message : " & err.Description MsgBox Error End Sub Sub pembuka() On Error GoTo SALAH konek RS_KMP.Open "SELECT * FROM dbkomponen", CN, adOpenStatic, adLockOptimistic RS_MAT.Open "SELECT * FROM dbmaterial", CN, adOpenStatic, adLockOptimistic RS_BOM.Open "SELECT * FROM dbbillofmaterial", CN, adOpenStatic, adLockOptimistic SALAH: End Sub Sub isi_komponen() cbkdmp.Clear cbnmkmp.Clear Combo4.Clear Set kmp = dbase.OpenRecordset("select * from dbkomponen") Do While Not kmp.EOF </pre>

```

If Not kmp.EOF Then
cbkdmp.AddItem kmp.Fields(0)
cbnmkmp.AddItem kmp.Fields(1)
Combo4.AddItem kmp.Fields(1)
kmp.MoveNext
End If
Loop
End Sub
Sub isi_material()
cbkdm.Clear
cbnm.Clear
Combo5.Clear
Set mat = dbase.OpenRecordset("select * from dbmaterial")
Do While Not mat.BOF And Not mat.EOF
If Not mat.EOF Then
cbkdm.AddItem mat.Fields(0)
cbnm.AddItem mat.Fields(1)
Combo5.AddItem mat.Fields(1)
mat.MoveNext
End If
Loop
End Sub
Sub isi_BOM()
cbkdbom.Clear
Set BOM = dbase.OpenRecordset("select * from dbbillofmaterial")
Do While Not BOM.BOF And Not BOM.EOF
If Not BOM.EOF Then
cbkdbom.AddItem BOM.Fields(0)
BOM.MoveNext
End If
Loop
End Sub
Sub isi_upkomponen()
Combo6.Clear
Set upk = dbase.OpenRecordset("select * from dbupkomponen")
Do While Not upk.BOF And Not upk.EOF
If Not upk.EOF Then
Combo6.AddItem upk.Fields(0)
upk.MoveNext
End If
Loop
End Sub
Sub isi_upmaterial()
Combo7.Clear
Set upm = dbase.OpenRecordset("select * from dbupmaterial")
Do While Not upm.BOF And Not upm.EOF
If Not upm.EOF Then
Combo7.AddItem upm.Fields(0)
upm.MoveNext
End If
Loop
End Sub
Sub otomatis_kmp()
Dim NO
Set kmp = dbase.OpenRecordset("select kdkomponen from dbkomponen")
If kmp.EOF Then
tkdkmp = "KOM" + "0001"
Else
kmp.MoveLast
If Mid(Trim(kmp.Fields(0)), 4, 7) Then

```



```

NO = Trim(kmp.Fields(0))
NO = Right(NO, 4)
NO = Val(NO) + 1
NO = Str(NO)
NO = Trim(NO)
NO = Left("000", 4 - Len(NO)) + NO
tkdkmp = "KOM" + NO
Else
tkdkmp = "KOM" + "0001"
End If
End If
End Sub
Sub otomatis_mat()
Dim NO
Set mat = dbase.OpenRecordset("select kdmaterial from dbmaterial")
If mat.EOF Then
tkdmat = "MAT" + "0001"
Else
mat.MoveLast
If Mid(Trim(mat.Fields(0)), 4, 7) Then
NO = Trim(mat.Fields(0))
NO = Right(NO, 4)
NO = Val(NO) + 1
NO = Str(NO)
NO = Trim(NO)
NO = Left("000", 4 - Len(NO)) + NO
tkdmat = "MAT" + NO
Else
tkdmat = "MAT" + "0001"
End If
End If
End Sub
Sub otomatis_bom()
Dim NO
Set BOM = dbase.OpenRecordset("select kdbillofmaterial from dbbillofmaterial")
If BOM.EOF Then
tkdbom = "BOM" + "0001"
Else
BOM.MoveLast
If Mid(Trim(BOM.Fields(0)), 4, 7) Then
NO = Trim(BOM.Fields(0))
NO = Right(NO, 4)
NO = Val(NO) + 1
NO = Str(NO)
NO = Trim(NO)
NO = Left("0000", 4 - Len(NO)) + NO
tkdbom = "BOM" + NO
Else
tkdbom = "BOM" + "0001"
End If
End If
End Sub
Sub otomatis_upk()
Dim tanggal, bulan, tahun, NO, oto As String
Set upk = dbase.OpenRecordset("select kdupkomponen from dbupkomponen")
'tanggal = Left(DTPicker1.Value, 2)
'bulan = Mid(DTPicker1.Value, 4, 2)
'tahun = Right(DTPicker1.Value, 2)
tanggal = Combo1.Text
Select Case Combo2.ListIndex

```

```

Case 0
bulan = "01"
Case 1
bulan = "02"
Case 2
bulan = "03"
Case 3
bulan = "04"
Case 4
bulan = "05"
Case 5
bulan = "06"
Case 6
bulan = "07"
Case 7
bulan = "08"
Case 8
bulan = "09"
Case 9
bulan = "10"
Case 10
bulan = "11"
Case 11
bulan = "12"
End Select
'bulan = Combo2.Text
tahun = Right(Val(Combo3), 2)
If upk.RecordCount = 0 Then
oto = "K-" & tahun & bulan & tanggal & "00001"
Else
upk.MoveLast
NO = Right(upk.Fields(0), 3) + 1
oto = "K-" & tahun & bulan & tanggal & Right("0000" & NO, 5)
End If
Text1.Text = oto
End Sub
Sub otomatis_upm()
Dim tanggal, bulan, tahun, NO, oto As String
Set upm = dbase.OpenRecordset("select kdupmaterial from dbupmaterial")
tanggal = Combo1.Text
Select Case Combo2.ListIndex
Case 0
bulan = "01"
Case 1
bulan = "02"
Case 2
bulan = "03"
Case 3
bulan = "04"
Case 4
bulan = "05"
Case 5
bulan = "06"
Case 6
bulan = "07"
Case 7
bulan = "08"
Case 8
bulan = "09"
Case 9

```

```

bulan = "10"
Case 10
bulan = "11"
Case 11
bulan = "12"
End Select
tahun = Right(Val(Combo3), 2)
If upm.RecordCount = 0 Then
oto = "M-" & tahun & bulan & tanggal & "00001"
Else
upm.MoveLast
NO = Right(upm.Fields(0), 3) + 1
oto = "M-" & tahun & bulan & tanggal & Right("0000" & NO, 5)
End If
Text4.Text = oto
End Sub
Private Sub caribom_Click()
cbkdbom.Visible = True
tkdbom.Visible = False
caribom.Enabled = False
simpanbom.Enabled = False
tkdbom.Enabled = True
cbnmkmp.Enabled = True
cbnmmt.Enabled = True
tkdbom.Text = Clear
cbnmmt.Text = Clear
cbnmkmp.Text = Clear
End Sub
Private Sub carimat_Click()
cbkdmmt.Visible = True
tkdmat.Visible = False
carimat.Enabled = False
tnmmt.Text = Clear
tnmmt.Visible = True
simpanmat.Enabled = False
End Sub
Private Sub carikmp_Click()
On Error Resume Next
cbdkmp.Visible = True
carikmp.Enabled = False
tkdkmp.Visible = False
tnmkmp.Text = Clear
cbtbkmp.Text = Clear
ttbkmp.Text = Clear
tbrkmp.Text = Clear
cbkakmp.Text = Clear
tkakmp.Text = Clear
tatas.Text = Clear
tbawah.Text = Clear
tnmkmp.Enabled = True
cbtbkmp.Enabled = True
tbrkmp.Enabled = True
cbkakmp.Enabled = True
cbtbkmp.Enabled = True
tatas.Enabled = True
tbawah.Enabled = True
simpankmp.Enabled = False
End Sub
Private Sub cbkakmp_Click()
Select Case cbkakmp.ListIndex

```

```

Case 0
tkakmp.Text = "10"
Case 1
tkakmp.Text = "5"
End Select
End Sub
Private Sub cbkdbom_Click()
On Error Resume Next
Set BOM = dbase.OpenRecordset("select * from dbbillofmaterial where kdbillofmaterial = " & cbkdbom &
"")
Set mat = dbase.OpenRecordset("select * from dbmaterial where kdmaterial = " & BOM.Fields(1) & " ")
Set kmp = dbase.OpenRecordset("select * from dbkomponen where kdkomponen = " & BOM.Fields(3) &
"")
cbnmmat.Text = mat.Fields(1)
torbom.Text = BOM.Fields(2)
cbnmkmp.Text = kmp.Fields(1)
torbom.Enabled = False
simpanbom.Enabled = True
hapusbom.Enabled = True
torbom.Enabled = True
End Sub
Private Sub cbkdmata_Click()
On Error Resume Next
Set mat = dbase.OpenRecordset("select * from dbmaterial where kdmaterial=" & cbkdmata & " ")
tnmmat.Text = mat.Fields(1)
tnmmat.Enabled = True
simpanmat.Enabled = True
hapusmat.Enabled = True
End Sub
Private Sub cbkdkmp_Click()
On Error Resume Next
Set kmp = dbase.OpenRecordset("select * from dbkomponen where kdkomponen = " & cbkdkmp & " ")
tnmkmp.Text = kmp.Fields(1)
ttbkmp.Text = kmp.Fields(2)
tbrkmp.Text = kmp.Fields(3)
tkakmp.Text = kmp.Fields(4)
tatas.Text = kmp.Fields(5)
tbawah.Text = kmp.Fields(6)
'tkdkmp.Visible = False
ttbkmp.Enabled = False
tkakmp.Enabled = False
simpankmp.Enabled = True
hapuskmp.Enabled = True
End Sub
Private Sub cbnmmta_Click()
On Error Resume Next
Set mat = dbase.OpenRecordset("select * from dbmaterial where nmmaterial=" & cbnmmta & " ")
torbom.Text = mat.Fields(2)
End Sub
Private Sub cbtbkmp_Click()
On Error Resume Next
Select Case cbtbkmp.ListIndex
Case 0
ttbkmp.Text = "29040"
Case 1
ttbkmp.Text = "19656"
Case 2
ttbkmp.Text = "52920"
Case 3
ttbkmp.Text = "9250"

```

```
Case 4
ttbkmp.Text = "17856"
Case 5
ttbkmp.Text = "4752"
Case 6
ttbkmp.Text = "53568"
Case 7
ttbkmp.Text = "29412"
Case 8
ttbkmp.Text = "1"
Case 9
ttbkmp.Text = "44220"
Case 10
ttbkmp.Text = "17000"
Case 11
ttbkmp.Text = "46800"
Case 12
ttbkmp.Text = "59644"
Case 13
ttbkmp.Text = "22110"
Case 14
ttbkmp.Text = "44221"
Case 15
ttbkmp.Text = "25200"
End Select
End Sub
Private Sub Check1_Click()
If Check1.Value = 1 Then
Set kmp = dbase.OpenRecordset("dbkomponen")
'RS_KOM.MoveFirst
tkdkmp.Text = kmp.Fields(0)
tnmkmp.Text = kmp.Fields(1)
ttbkmp.Text = kmp.Fields(2)
tbrkmp.Text = kmp.Fields(3)
tkakmp.Text = kmp.Fields(4)
tatas.Text = kmp.Fields(5)
tbawah.Text = kmp.Fields(6)
cbkdmp.Visible = False
tkdkmp.Visible = True
tkdkmp.Enabled = False
tnmkmp.Enabled = False
cbtbkmp.Enabled = False
ttbkmp.Enabled = False
tbrkmp.Enabled = False
cbkakmp.Enabled = False
tkakmp.Enabled = False
tatas.Enabled = False
tbawah.Enabled = False
carikmp.Enabled = True
tambahkmp.Enabled = True
simpankmp.Enabled = False
hapusmp.Enabled = False
Label1.Enabled = True
Label1.ForeColor = vbBlue
Label2(0).Enabled = True
Label2(0).ForeColor = vbBlue
Label3(0).Enabled = True
Label3(0).ForeColor = vbBlue
Label5.Enabled = True
Label5.ForeColor = vbBlue
```

```

Label8.Enabled = True
Label8.ForeColor = vbBlue
Label13.Enabled = True
Label13.ForeColor = vbBlue
Label14.Enabled = True
Label14.ForeColor = vbBlue
Label26.Enabled = True
Label26.ForeColor = vbBlue
Else
Set kmp = dbase.OpenRecordset("dbkomponen")
'RS_KOM.MoveFirst
tkdkmp.Text = kmp.Fields(0)
tnmkmp.Text = kmp.Fields(1)
ttbkmp.Text = kmp.Fields(2)
tbrkmp.Text = kmp.Fields(3)
tkakmp.Text = kmp.Fields(4)
tatas.Text = kmp.Fields(5)
tbawah.Text = kmp.Fields(6)
cbkdkmp.Visible = False
tkdkmp.Visible = True
tkdkmp.Enabled = False
tnmkmp.Enabled = False
cbtbkmp.Enabled = False
ttbkmp.Enabled = False
tbrkmp.Enabled = False
cbkakmp.Enabled = False
tkakmp.Enabled = False
tatas.Enabled = False
tbawah.Enabled = False
carikmp.Enabled = False
tambahkmp.Enabled = False
simpankmp.Enabled = False
hapusmp.Enabled = False
Label1.Enabled = False
Label2(0).Enabled = False
Label3(0).Enabled = False
Label5.Enabled = False
Label8.Enabled = False
Label13.Enabled = False
Label14.Enabled = False
Label26.Enabled = False
End If
End Sub
Private Sub Check2_Click()
If Check2.Value = 1 Then
Set mat = dbase.OpenRecordset("dbmaterial")
tkdmat.Text = mat.Fields(0)
tnmmat.Text = mat.Fields(1)
cbkdmat.Visible = False
tkdmat.Visible = True
tkdmat.Enabled = False
tnmmat.Enabled = False
carimat.Enabled = True
tambahmat.Enabled = True
simpanmat.Enabled = False
hapusmat.Enabled = False
Label3(1).Enabled = True
Label3(1).ForeColor = vbBlue
Label2(1).Enabled = True
Label2(1).ForeColor = vbBlue

```

```

Label29.Enabled = True
Label29.ForeColor = vbBlue
Else
Set mat = dbase.OpenRecordset("dbmaterial")
tkdmat.Text = mat.Fields(0)
tnmmat.Text = mat.Fields(1)
cbkdmata.Visible = False
tkdmat.Visible = True
tkdmat.Enabled = False
tnmmat.Enabled = False
carimat.Enabled = False
tambahmat.Enabled = False
simpanmat.Enabled = False
hapusmat.Enabled = False
Label3(1).Enabled = False
Label2(1).Enabled = False
Label29.Enabled = False
End If
End Sub
Private Sub Check3_Click()
If Check3.Value = 1 Then
Set BOM = dbase.OpenRecordset("dbbillofmaterial")
'RS_BOM.MoveFirst
tkdbom.Text = BOM.Fields(0)
cbnmmta.Text = mat.Fields(1)
'torbom.Text = mat.Fields(2)
'cbnmkmp.Text = kmp.Fields(1)
cbkdbom.Visible = False
tkdbom.Visible = True
tkdbom.Enabled = False
cbnmmta.Enabled = False
torbom.Enabled = False
cbnmkmp.Enabled = False
caribom.Enabled = True
tambahbom.Enabled = True
simpanbom.Enabled = False
hapusbom.Enabled = False
Label4.Enabled = True
Label4.ForeColor = vbBlue
Label11.Enabled = True
Label11.ForeColor = vbBlue
Label12.Enabled = True
Label12.ForeColor = vbBlue
Label15.Enabled = True
Label15.ForeColor = vbBlue
Label28.Enabled = True
Label28.ForeColor = vbBlue
Else
Set BOM = dbase.OpenRecordset("dbbillofmaterial")
tkdbom.Text = BOM.Fields(0)
cbkdbom.Visible = False
tkdbom.Visible = True
tkdbom.Enabled = False
cbnmmta.Enabled = False
torbom.Enabled = False
cbnmkmp.Enabled = False
caribom.Enabled = False
tambahbom.Enabled = False
simpanbom.Enabled = False
hapusbom.Enabled = False

```

```

Label4.Enabled = False
Label11.Enabled = False
Label12.Enabled = False
Label15.Enabled = False
Label28.Enabled = False
End If
End Sub
Private Sub Check4_Click()
If Check4.Value = 1 Then
Set upk = dbase.OpenRecordset("dbupkomponen")
Text1.Text = upk.Fields(0)
Combo4.Text = kmp.Fields(1)
Combo6.Visible = False
Text1.Visible = True
Text1.Enabled = False
Combo4.Enabled = False
Text2.Enabled = False
Text3.Enabled = False
Command3.Enabled = True
Command4.Enabled = True
Command5.Enabled = False
Command6.Enabled = False
Label16.Enabled = True
Label16.ForeColor = vbBlue
Label17.Enabled = True
Label17.ForeColor = vbBlue
Label18.Enabled = True
Label18.ForeColor = vbBlue
Label19.Enabled = True
Label19.ForeColor = vbBlue
Label30.Enabled = True
Label30.ForeColor = vbBlue
Else
Set upk = dbase.OpenRecordset("dbupkomponen")
Text1.Text = upk.Fields(0)
Combo6.Visible = False
Text1.Visible = True
Text1.Enabled = False
Combo4.Enabled = False
Text2.Enabled = False
Text3.Enabled = False
Command3.Enabled = False
Command4.Enabled = False
Command5.Enabled = False
Command6.Enabled = False
Label16.Enabled = False
Label17.Enabled = False
Label18.Enabled = False
Label19.Enabled = False
Label30.Enabled = False
End If
End Sub
Private Sub Check5_Click()
If Check5.Value = 1 Then
Set upm = dbase.OpenRecordset("dbupmaterial")
Combo7.Text = upm.Fields(0)
Combo5.Text = mat.Fields(1)
Combo7.Visible = False
Text4.Visible = True
Text4.Enabled = False

```



```

Text5.Enabled = False
Command8.Enabled = True
Command9.Enabled = True
Command10.Enabled = False
Command11.Enabled = False
Label20.Enabled = True
Label20.ForeColor = vbBlue
Label21.Enabled = True
Label21.ForeColor = vbBlue
Label22.Enabled = True
Label22.ForeColor = vbBlue
Label31.Enabled = True
Label31.ForeColor = vbBlue
Else
Set upm = dbase.OpenRecordset("dbupmaterial")
Text4.Text = upm.Fields(0)
Combo7.Visible = False
Text4.Visible = True
Text4.Enabled = False
Text5.Enabled = False
Command8.Enabled = False
Command9.Enabled = False
Command10.Enabled = False
Command11.Enabled = False
Label20.Enabled = False
Label21.Enabled = False
Label22.Enabled = False
Label31.Enabled = False
End If
End Sub
Private Sub Combo6_Click()
On Error Resume Next
Set upk = dbase.OpenRecordset("select * from dbupkomponen where kdupkomponen="" & Combo6 & """)
Set kmp = dbase.OpenRecordset("select * from dbkomponen where kdkomponen = "" & upk.Fields(1) & """)
Combo4.Text = kmp.Fields(1)
Text2.Text = upk.Fields(2)
Text3.Text = upk.Fields(3)
Combo4.Enabled = True
Text2.Enabled = True
Text3.Enabled = True
Command3.Enabled = False
Command4.Enabled = True
Command5.Enabled = True
Command6.Enabled = True
End Sub
Private Sub Combo7_Click()
On Error Resume Next
Set upm = dbase.OpenRecordset("select * from dbupmaterial where kdupmaterial="" & Combo7 & """)
Set mat = dbase.OpenRecordset("select * from dbmaterial where kdmaterial = "" & upm.Fields(1) & """)
Combo5.Text = mat.Fields(1)
Text5.Text = upm.Fields(2)
Combo5.Enabled = True
Text5.Enabled = True
Command8.Enabled = False
Command9.Enabled = True
Command10.Enabled = True
Command11.Enabled = True
End Sub
Private Sub Command1_Click()

```

```

MsgBox "Silakan input seluruh data Komponen dan Material, Bill Of Material dan update Order Picking
dengan teliti!" + Chr(13) _
+ "" & Chr(13) _
+ "1. Untuk input data Komponen, silakan isi seluruh karakteristik komponen!" & Chr(13) _
+ "" & Chr(13) _
+ "2. Untuk input data Material, silakan isi nama material!" & Chr(13) _
+ "" & Chr(13) _
+ "3. Untuk input data Bill of Material, silakan pilih material dan komponennya!" & Chr(13) _
+ "" & Chr(13)
+ "4. Untuk update Order Picking Komponen dan Material jangan lupa tentukan tanggal, bulan dan tahun
terlebih dahulu!" & Chr(13) _
, vbOKOnly, "Petunjuk"
End Sub
Private Sub Command10_Click()
On Error Resume Next
If Text4 = "" Then
MsgBox "Kode Update Material belum diisi, silahkan diisi terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
Elseif Combo5 = "" Then
MsgBox "Nama Material belum dipilih, silahkan pilih terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
Elseif Text5 = "" Then
MsgBox "Order Picking Update Material belum diisi, silahkan diisi terlebih dahulu. Terima kasih.",
vbInformation, "Informasi"
Text5.SetFocus
Else
If Text5.Visible = True Then
Set upm = dbase.OpenRecordset("select * from dbupMaterial where kdupmaterial = " & Text1 & """)
If upm.RecordCount < 1 Then
Set mat = dbase.OpenRecordset("select kdmaterial from dbmaterial where nmmaterial = " & Combo5
& """)
dbase.Execute "insert into dbupmaterial values (" & Text4 & ", " & mat.Fields(0) & ", " & Text5 & ", "
& Combo1 & ", " & Combo2 & ", " & Combo3 & """)
MsgBox "Data Update Material telah disimpan", vbInformation, "Informasi"
Else
Set mat = dbase.OpenRecordset("select * from dbmaterial where nmmaterial = " & Combo5 & """)
dbase.Execute "update dbupmaterial set kdupmaterial=" & Text4 & ", kdMaterial=" & mat.Fields(0)
& ", orMaterial=" & Text5 & ", tglMaterial=" & Combo1 & ", blnMaterial=" & Combo2 & ",
thnMaterial=" & Combo3 & ""
MsgBox "Data Update Material telah diperbarui", vbInformation, "Informasi"
End If
Else
Set mat = dbase.OpenRecordset("select kdmaterial from dbmaterial where nmmaterial = " & Combo5 &
""")
dbase.Execute "update dbupmaterial set kdupmaterial=" & Combo7 & ", kdmaterial=" & mat.Fields(0)
& ", ormaterial=" & Text2 & ", tglMaterial=" & Combo1 & ", blnMaterial=" & Combo2 & ",
thnMaterial=" & Combo3 & ""
MsgBox "Data Update Material telah diperbarui", vbInformation, "Informasi"
End If
End If
Combo7.Visible = False
Text4.Visible = True
Text4.Text = Clear
Combo5.Text = Clear
Text5.Text = Clear
Command8.Enabled = True
Command9.Enabled = True
Command10.Enabled = False
Command11.Enabled = False
End Sub

```

```

Private Sub Command11_Click()
    pesan = MsgBox("Anda yakin ingin menghapus data update material tersebut??", vbYesNo + vbQuestion,
    "Konfirmasi")
    If pesan = vbYes Then
        MsgBox "Data Update Material telah dihapus", vbInformation, "Informasi"
    If Combo7.Text = "" Then
        MsgBox "Tidak ada data"
    Else
        dbase.Execute "delete from dbupmaterial where kdupmaterial = " & Combo7.Text & ""
        MsgBox "Data update material telah dihapus", vbInformation, "Informasi"
        Combo7.Visible = False
        Text4.Visible = True
        Text4.Text = Clear
        Combo5.Text = Clear
        Text5.Text = Clear
        Command8.Enabled = True
        Command9.Enabled = True
        Command10.Enabled = False
        Command11.Enabled = False
    End If
End If
isi_upmaterial
End Sub
Private Sub Command12_Click()
    On Error GoTo hell
    Shell "calc.exe", vbNormalFocus
Exit Sub
hell:
    MsgBox "The operating system cannot find the system calculator." & vbNewLine & "Please check
whether it is properly installed or not", vbCritical, "File not found"
End Sub
Private Sub Command13_Click()
    pembuka
    awalan
End Sub
Private Sub Command2_Click()
    Unload Me
    info.Show
End Sub
Private Sub Command3_Click()
    Combo6.Visible = True
    Text1.Visible = False
    Combo4.Text = Clear
    Text2.Text = Clear
    Text3.Text = Clear
End Sub
Private Sub Command4_Click()
    On Error Resume Next
    If Combo1 = "" Then
        MsgBox "Tanggal belum ditentukan, silahkan tentukan terlebih dahulu. Terima kasih.", vbInformation,
        "Informasi"
        Combo1.SetFocus
    ElseIf Combo2 = "" Then
        MsgBox "Bulan belum ditentukan, silahkan tentukan terlebih dahulu. Terima kasih.", vbInformation,
        "Informasi"
        Combo2.SetFocus
    ElseIf Combo3 = "" Then
        MsgBox "Tahun belum ditentukan, silahkan tentukan terlebih dahulu. Terima kasih.", vbInformation,
        "Informasi"
        Combo3.SetFocus
    End If
End Sub

```

```

Else
Combo6.Visible = False
Text1.Visible = True
otomatis_upk
Combo4.Text = Clear
Combo4.Enabled = True
Text2.Enabled = True
Text3.Enabled = True
Text2.Text = Clear
Text3.Text = Clear
Command3.Enabled = True
Command4.Enabled = True
Command5.Enabled = True
Command6.Enabled = False
End If
End Sub
Private Sub Command5_Click()
On Error Resume Next
If Text1 = "" Then
MsgBox "Kode Update Komponen belum diisi, silahkan diisi terlebih dahulu. Terima kasih.",
vbInformation, "Informasi"
Elseif Combo4 = "" Then
MsgBox "Nama Komponen belum dipilih, silahkan pilih terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
Elseif Text2 = "" Then
MsgBox "Order Picking Update Komponen belum diisi, silahkan diisi terlebih dahulu. Terima kasih.",
vbInformation, "Informasi"
Text2.SetFocus
Elseif Text3 = "" Then
MsgBox "Stock Update Komponen belum diisi, silahkan diisi terlebih dahulu. Terima kasih.",
vbInformation, "Informasi"
Text3.SetFocus
Else
If Text1.Visible = True Then
Set upk = dbase.OpenRecordset("select * from dbupkomponen where kdupkomponen = " & Text1 &
"")
If upk.RecordCount < 1 Then
Set kmp = dbase.OpenRecordset("select kdkomponen from dbkomponen where nmkomponen = " &
Combo4 & " ")
dbase.Execute "insert into dbupkomponen values (" & Text1 & ", " & kmp.Fields(0) & ", " & Text2 &
", " & Text3 & ", " & Combo1 & ", " & Combo2 & ", " & Combo3 & " )"
MsgBox "Data Update Komponen telah disimpan", vbInformation, "Informasi"
Else
Set kmp = dbase.OpenRecordset("select * from dbkomponen where nmkomponen = " & Combo4 &
" ")
dbase.Execute "update dbupkomponen set kdupkomponen=" & Text1 & ", kdkomponen=" &
kmp.Fields(0) & ", orkomponen=" & Text2 & ", stkomponen=" & Text3 & ", tglkomponen=" & Combo1
& ", blnkomponen=" & Combo2 & ", thnkomponen=" & Combo3 & " "
MsgBox "Data Update Komponen telah diperbarui", vbInformation, "Informasi"
End If
Else
Set kmp = dbase.OpenRecordset("select * from dbkomponen where nmkomponen = " & Combo4 & " ")
dbase.Execute "update dbupkomponen set kdupkomponen=" & Combo6 & ", kdkomponen=" &
kmp.Fields(0) & ", orkomponen=" & Text2 & ", stkomponen=" & Text3 & ", tglkomponen=" & Combo1
& ", blnkomponen=" & Combo2 & ", thnkomponen=" & Combo3 & " "

MsgBox "Data Update Komponen telah diperbarui", vbInformation, "Informasi"
End If
Command3.Enabled = True
Command4.Enabled = True

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Command5.Enabled = False
Command6.Enabled = False
Combo6.Visible = False
Text1.Visible = True
Text1.Text = Clear
Combo4.Text = Clear
Text2.Text = Clear
Text3.Text = Clear
End If
End Sub
Private Sub Command6_Click()
pesan = MsgBox("Anda yakin ingin menghapus data update komponen tersebut??", vbYesNo +
vbQuestion, "Konfirmasi")
If pesan = vbYes Then
MsgBox "Data Update Komponen telah dihapus", vbInformation, "Informasi"
If Combo6.Text = "" Then
MsgBox "Tidak ada data"
Else
dbase.Execute "delete from dbupkomponen where kdupkomponen = " & Combo6.Text & ""
MsgBox "Data update komponen telah dihapus", vbInformation, "Informasi"
End If
End If
Combo6.Visible = False
Text1.Visible = True
Text1.Text = Clear
Combo4.Text = Clear
Text2.Text = Clear
Text3.Text = Clear
Command3.Enabled = True
Command4.Enabled = True
Command5.Enabled = False
Command6.Enabled = False
isi_upkomponen
End Sub
Private Sub Command7_Click()
Unload Me
home.Show
End Sub
Private Sub Command8_Click()
Combo7.Visible = True
Text4.Visible = False
Combo5.Text = Clear
Text5.Text = Clear
Combo7.Enabled = True
Combo5.Enabled = True
Text5.Enabled = True
End Sub
Private Sub Command9_Click()
On Error Resume Next
If Combo1 = "" Then
MsgBox "Tanggal belum ditentukan, silahkan tentukan terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
Combo1.SetFocus
Elseif Combo2 = "" Then
MsgBox "Bulan belum ditentukan, silahkan tentukan terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
Combo2.SetFocus
Elseif Combo3 = "" Then
MsgBox "Tahun belum ditentukan, silahkan tentukan terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"

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Combo3.SetFocus
Else
Combo7.Visible = False
Text4.Visible = True
otomatis_upm
Combo5.Text = Clear
Text5.Text = Clear
Combo5.Enabled = True
Text5.Enabled = True
Command8.Enabled = True
Command9.Enabled = True
Command10.Enabled = True
Command11.Enabled = False
End If
End Sub
Private Sub hapusbom_Click()
pesan = MsgBox("Anda yakin ingin menghapus data BOM tersebut?", vbYesNo + vbQuestion,
"Konfirmasi")
If pesan = vbYes Then
dbase.Execute "delete from dbkomponen where kdkmp = '" & cbkdkmp.Text & "'"
MsgBox "Data BOM telah dihapus", vbInformasi, "Informasi"
If cbkdbom.Text = "" Then
MsgBox "Tidak ada data"
Else
dbase.Execute "delete from dbbillofmaterial where kdbillofmaterial = '" & cbkdbom.Text & "'"
MsgBox "Data BOM telah dihapus", vbInformasi, "Informasi"
cbkdbom.Visible = False
tkdbom.Visible = True
tkdbom.Text = Clear
cbnmmat.Text = Clear
cbnmkmp.Text = Clear
torbom.Text = Clear
caribom.Enabled = True
tambahbom.Enabled = True
simpanbom.Enabled = False
hapusbom.Enabled = False
End If
End If
isi_BOM
End Sub
Private Sub hapusmat_Click()
pesan = MsgBox("Anda yakin ingin menghapus data material tersebut?", vbYesNo + vbQuestion,
"Konfirmasi")
If pesan = vbYes Then
MsgBox "Data Material telah dihapus", vbInformasi, "Informasi"
If cbkdmat.Text = "" Then
MsgBox "Tidak ada data"
Else
dbase.Execute "delete from dbmaterial where kdmaterial = '" & cbkdmat.Text & "'"
MsgBox "Data material telah dihapus", vbInformasi, "Informasi"
cbkdmat.Visible = False
tkdmat.Visible = True
tkdmat.Text = Clear
tnmmat.Text = Clear
carimat.Enabled = True
tambahmat.Enabled = True
simpanmat.Enabled = False
hapusmat.Enabled = False
End If
End If

```

```

isi_material
End Sub
Private Sub hapuskmp_Click()
pesan = MsgBox("Anda yakin ingin menghapus data komponen tersebut??", vbYesNo + vbQuestion,
"Konfirmasi")
If pesan = vbYes Then
MsgBox "Data Komponen telah dihapus", vbInformation, "Informasi"
If cbkdkmp.Text = "" Then
MsgBox "Tidak ada data"
Else
dbase.Execute "delete from dbkomponen where kdkomponen = '" & cbkdkmp.Text & "'"
MsgBox "Data komponen telah dihapus", vbInformation, "Informasi"
cbkdkmp.Visible = False
tkdkmp.Visible = True
tkdkmp.Text = Clear
tnmkmp.Text = Clear
cbtbkmp.Text = Clear
tbrkmp.Text = Clear
cbkakmp.Text = Clear
tatas.Text = Clear
tbawah.Text = Clear
carikmp.Enabled = True
tambahkmp.Enabled = True
simpankmp.Enabled = False
hapuskmp.Enabled = False
End If
End If
End Sub
Private Sub simpanbom_Click()
If cbnmmtat = "" Then
MsgBox "Nama material belum dipilih, silahkan dipilih terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
cbnmmtat.SetFocus
ElseIf cbnmkmp = "" Then
MsgBox "Tipe box komponen belum dipilih, silahkan dipilih terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
cbnmkmp.SetFocus
Else
If tkdbom.Visible = True Then
Set BOM = dbase.OpenRecordset("select * from dbbillofmaterial where kdbillofmaterial = '" & tkdbom
& "'")
If BOM.RecordCount < 1 Then
Set mat = dbase.OpenRecordset("select kdmaterial from dbmaterial where nmmaterial = '" &
cbnmmtat & "'")
Set kmp = dbase.OpenRecordset("select kdkomponen from dbkomponen where nmkomponen = '" &
cbnmkmp & "'")
dbase.Execute "insert into dbbillofmaterial values ('" & tkdbom & "', '" & mat.Fields(0) & "', '" &
torbom & "', '" & kmp.Fields(0) & "'"
MsgBox "Data BOM telah disimpan", vbInformation, "informasi"
Else
Set mat = dbase.OpenRecordset("select * from dbmaterial where nmmaterial = '" & cbnmmtat & "'")
Set kmp = dbase.OpenRecordset("select * from dbkomponen where nmkomponen = '" & cbnmkmp &
"'")
dbase.Execute "update dbbillofmaterial set kdbillofmaterial= '" & tkdbom & "', kdmaterial= '" &
mat.Fields(0) & "',orbom= '" & torbom & "', kdkomponen= '" & kmp.Fields(0) & "'"
MsgBox "Data BOM telah diperbaharui", vbInformation, "informasi"
End If
Else
Set mat = dbase.OpenRecordset("select * from dbmaterial where nmmaterial = '" & cbnmmtat & "'")
Set kmp = dbase.OpenRecordset("select * from dbkomponen where nmkomponen = '" & cbnmkmp &

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""")
dbase.Execute "update dbbillofmaterial set kdbillofmaterial= " & cbkdbom & ", kdmaterial= " &
mat.Fields(0) & ",orbom= " & torbom & ", kdkomponen= " & kmp.Fields(0) & ""
MsgBox "Data BOM telah diperbaharui", vbInformation, "informasi"
End If
End If
cbkdbom.Visible = False
tkdbom.Visible = True
tkdbom.Text = Clear
cbnmmat.Text = Clear
cbnmkmp.Text = Clear
torbom.Text = Clear
End Sub
Private Sub simpanmat_Click()
On Error Resume Next
If tnmmat = "" Then
MsgBox "Nama material belum diisi, silahkan diisi terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
tnmmat.SetFocus
Else
If tkdmat.Visible = True Then
Set mat = dbase.OpenRecordset("select * from dbmaterial where kdmaterial = " & tkdmat & "")
If mat.RecordCount < 1 Then
dbase.Execute "insert into dbmaterial values (" & tkdmat & ", " & tnmmat & ")"
MsgBox "Data material telah disimpan", vbInformation, "informasi"
Else
dbase.Execute "update dbmaterial set kdmaterial= " & tkdmat & ", nmmaterial= " & tnmmat & ""
MsgBox "Data material telah diperbaharui", vbInformation, "informasi"
End If
Else
dbase.Execute "update dbmaterial set kdmaterial= " & cbkdmata & ", nmmaterial= " & tnmmat & ""
MsgBox "Data material telah diperbaharui", vbInformation, "informasi"
End If
End If
cbkdmata.Visible = False
tkdmat.Visible = True
tkdmat.Text = Clear
tnmmat.Text = Clear
carimat.Enabled = True
tambahmat.Enabled = True
simpanmat.Enabled = False
hapusmat.Enabled = False
End Sub
Private Sub simpankmp_Click()
On Error Resume Next
If tnmkmp = "" Then
MsgBox "Nama komponen belum diisi, silahkan diisi terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
tnmkmp.SetFocus
ElseIf cbtbkmp = "" Then
MsgBox "Tipe box komponen belum dipilih, silahkan dipilih terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
cbtbkmp.SetFocus
ElseIf tbrkmp = "" Then
MsgBox "Berat komponen belum diisi, silahkan diisi terlebih dahulu. Terima kasih.", vbInformation,
"Informasi"
tbrkmp.SetFocus
ElseIf cbkakmp = "" Then
MsgBox "Karakteristik komponen belum dipilih, silahkan dipilih terlebih dahulu. Terima kasih.",
vbInformation, "Informasi"

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cbkakmp.SetFocus
Elseif tatas = "" Then
MsgBox "Kapasitas maksimal rak atas komponen belum diisi, silahkan diisi terlebih dahulu. Terima kasih.", vbInformation, "Informasi"
tatas.SetFocus
Elseif tbawah = "" Then
MsgBox "Kapasitas maksimal rak bawah komponen belum diisi, silahkan diisi terlebih dahulu. Terima kasih.", vbInformation, "Informasi"
tbawah.SetFocus
Else
If tkdkmp.Visible = True Then
Set kmp = dbase.OpenRecordset("select * from dbkomponen where kdkomponen = " & tkdkmp & """)
If kmp.RecordCount < 1 Then
dbase.Execute "insert into dbkomponen values (" & tkdkmp & ", " & tnmkmp & ", " & ttbkmp & ", " & tbrkmp & ", " & tkakmp & ", " & tatas & ", " & tbawah & ")"
MsgBox "Data komponen telah disimpan", vbInformation, "informasi"
Else
dbase.Execute "update dbkomponen set kdkomponen= " & tkdkmp & ", nmkomponen= " & tnmkmp & ", tbkomponen= " & ttbkmp & ", brkomponen= " & tbrkmp & ", kakomponen= " & tkakmp & ", kpatas= " & tatas & ", kpbawah= " & tbawah & ""
MsgBox "Data komponen telah diperbaharui", vbInformation, "informasi"
End If
Else
dbase.Execute "update dbkomponen set kdkomponen= " & cbkdkmp & ", nmkomponen= " & tnmkmp & ", tbkomponen= " & ttbkmp & ", brkomponen= " & tbrkmp & ", kakomponen= " & tkakmp & ", kpatas= " & tatas & ", kpbawah= " & tbawah & ""
MsgBox "Data komponen telah diperbaharui", vbInformation, "informasi"
End If
End If
cbkdkmp.Visible = False
tkdkmp.Visible = True
tkdkmp.Text = Clear
tnmkmp.Text = Clear
cbtbkmp.Text = Clear
tbrkmp.Text = Clear
cbkakmp.Text = Clear
tatas.Text = Clear
tbawah.Text = Clear
carikmp.Enabled = True
tambahkmp.Enabled = True
simpankmp.Enabled = False
hapusmp.Enabled = False
End Sub
Private Sub tambahbom_Click()
On Error Resume Next
otomatis_bom
cbnmmt.Text = Clear
torbom.Text = Clear
cbnmkmp.Text = Clear
cbkdbom.Visible = False
tkdbom.Visible = True
tkdbom.Enabled = True
cbnmmt.Enabled = True
torbom.Enabled = True
cbnmkmp.Enabled = True
simpanbom.Enabled = True
hapusbom.Enabled = False
caribom.Enabled = True
End Sub
Private Sub tambahmat_Click()

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```

On Error Resume Next
otomatis_mat
tnmmat.Text = Clear
cbkdmata.Visible = False
tkdmata.Visible = True
tkdmata.Enabled = True
tnmmata.Enabled = True
simpanmat.Enabled = True
hapusmat.Enabled = False
carimat.Enabled = True
End Sub
Private Sub tambahkmp_Click()
On Error Resume Next
otomatis_kmp
cbdkkmp.Visible = False
tkdkmp.Visible = True
tkdkmp.Enabled = True
tnmkmp.Enabled = True
cbtbkmp.Enabled = True
ttbkmp.Enabled = False
tbrkmp.Enabled = True
cbkakmp.Enabled = True
tkakmp.Enabled = False
tatas.Enabled = True
tbawah.Enabled = True
tnmkmp.Text = Clear
cbtbkmp.Text = Clear
ttbkmp.Text = Clear
tbrkmp.Text = Clear
cbkakmp.Text = Clear
tkakmp.Text = Clear
tatas.Text = Clear
tbawah.Text = Clear
simpankmp.Enabled = True
hapuskmp.Enabled = False
carikmp.Enabled = True
End Sub
Sub awalan()
On Error Resume Next
isi_komponen
isi_material
isi_BOM
isi_upkomponen
isi_upmaterial
Check1.Value = 0
Check2.Value = 0
Check3.Value = 0
Check4.Value = 0
Check5.Value = 0
Set kmp = dbase.OpenRecordset("dbkomponen")
tkdkmp.Text = kmp.Fields(0)
tnmkmp.Text = kmp.Fields(1)
ttbkmp.Text = kmp.Fields(2)
tbrkmp.Text = kmp.Fields(3)
tkakmp.Text = kmp.Fields(4)
tatas.Text = kmp.Fields(5)
tbawah.Text = kmp.Fields(6)
cbdkkmp.Visible = False
tkdkmp.Visible = True
tkdkmp.Enabled = False

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tnmkmp.Enabled = False
cbtbkmp.Enabled = False
ttbkmp.Enabled = False
tbrkmp.Enabled = False
cbkakmp.Enabled = False
tkakmp.Enabled = False
tatas.Enabled = False
tbawah.Enabled = False
carikmp.Enabled = False
tambahkmp.Enabled = False
simpankmp.Enabled = False
hapusmp.Enabled = False
Label1.Enabled = False
Label2(0).Enabled = False
Label3(0).Enabled = False
Label5.Enabled = False
Label8.Enabled = False
Label13.Enabled = False
Label14.Enabled = False
Label26.Enabled = False
Set mat = dbase.OpenRecordset("dbmaterial")
tkdmat.Text = mat.Fields(0)
tnmmat.Text = mat.Fields(1)
cbkdmata.Visible = False
tkdmat.Visible = True
tkdmat.Enabled = False
tnmmat.Enabled = False
carimat.Enabled = False
tambahmat.Enabled = False
simpanmat.Enabled = False
hapusmat.Enabled = False
Label3(1).Enabled = False
Label2(1).Enabled = False
Label29.Enabled = False
Set BOM = dbase.OpenRecordset("dbbillofmaterial")
tkdbom.Text = BOM.Fields(0)
cbnmmta.Text = mat.Fields(1)
torbom.Text = mat.Fields(2)
cbnmkmp.Text = kmp.fields(1)
cbkdbom.Visible = False
tkdbom.Visible = True
tkdbom.Enabled = False
cbnmmta.Enabled = False
torbom.Enabled = False
cbnmkmp.Enabled = False
caribom.Enabled = False
tambahbom.Enabled = False
simpanbom.Enabled = False
hapusbom.Enabled = False
Label4.Enabled = False
Label11.Enabled = False
Label12.Enabled = False
Label15.Enabled = False
Label28.Enabled = False
Set upk = dbase.OpenRecordset("dbupkomponen")
Text1.Text = upk.Fields(0)
Combo4.Text = kmp.Fields(1)
Combo6.Visible = False
Text1.Visible = True
Text1.Enabled = False

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Combo4.Enabled = False
Text2.Enabled = False
Text3.Enabled = False
Command3.Enabled = False
Command4.Enabled = False
Command5.Enabled = False
Command6.Enabled = False
Label16.Enabled = False
Label17.Enabled = False
Label18.Enabled = False
Label19.Enabled = False
Label30.Enabled = False
Set upm = dbase.OpenRecordset("dbupmaterial")
Text4.Text = upm.Fields(0)
Combo7.Text = upm.Fields(0)
Combo5.Text = mat.Fields(1)
Combo7.Visible = False
Text4.Visible = True
Text4.Enabled = False
Text5.Enabled = False
Combo7.Enabled = False
Combo5.Enabled = False
Command8.Enabled = False
Command9.Enabled = False
Command10.Enabled = False
Command11.Enabled = False
Label20.Enabled = False
Label21.Enabled = False
Label22.Enabled = False
Label31.Enabled = False
End Sub
Private Sub Form_Load()
koneksi
pembuka
cbtbkmp.AddItem "KARTON 1"
cbtbkmp.AddItem "KARTON 2"
cbtbkmp.AddItem "KARTON 3"
cbtbkmp.AddItem "KARTON 4"
cbtbkmp.AddItem "KARTON 5"
cbtbkmp.AddItem "KARTON 6"
cbtbkmp.AddItem "KARTON 7"
cbtbkmp.AddItem "KARTON 8"
cbtbkmp.AddItem "6655 A"
cbtbkmp.AddItem "6655"
cbtbkmp.AddItem "341B"
cbtbkmp.AddItem "IKP-BLUE"
cbtbkmp.AddItem "IKP-YELLOW"
cbtbkmp.AddItem "361B"
cbtbkmp.AddItem "362B"
cbtbkmp.AddItem "IKAT 1"
cbkakmp.AddItem "Khusus"
cbkakmp.AddItem "Umum"
Combo1.AddItem "01"
Combo1.AddItem "02"
Combo1.AddItem "03"
Combo1.AddItem "04"
Combo1.AddItem "05"
Combo1.AddItem "06"
Combo1.AddItem "07"
Combo1.AddItem "08"

```

```

Combo1.AddItem "09"
Combo1.AddItem "10"
Combo1.AddItem "11"
Combo1.AddItem "12"
Combo1.AddItem "13"
Combo1.AddItem "14"
Combo1.AddItem "15"
Combo1.AddItem "16"
Combo1.AddItem "17"
Combo1.AddItem "18"
Combo1.AddItem "19"
Combo1.AddItem "20"
Combo1.AddItem "21"
Combo1.AddItem "22"
Combo1.AddItem "23"
Combo1.AddItem "24"
Combo1.AddItem "25"
Combo1.AddItem "26"
Combo1.AddItem "27"
Combo1.AddItem "28"
Combo1.AddItem "29"
Combo1.AddItem "30"
Combo1.AddItem "31"
Combo2.AddItem "Januari"
Combo2.AddItem "Februari"
Combo2.AddItem "Maret"
Combo2.AddItem "April"
Combo2.AddItem "Mei"
Combo2.AddItem "Juni"
Combo2.AddItem "Juli"
Combo2.AddItem "Agustus"
Combo2.AddItem "September"
Combo2.AddItem "Oktober"
Combo2.AddItem "November"
Combo2.AddItem "Desember"
Combo3.AddItem "2010"
Combo3.AddItem "2011"
Combo3.AddItem "2012"
Combo3.AddItem "2013"
Combo3.AddItem "2014"
Combo3.AddItem "2015"
Combo3.AddItem "2016"
Combo3.AddItem "2017"
Combo3.AddItem "2018"
Combo3.AddItem "2019"
Combo3.AddItem "2020"
awalan
End Sub
Private Sub Timer1_Timer()
Label23.Caption = Format(Date, "DDDD") & " " & Time()
Label24.Caption = Format(Date, "DD MMMM YYYY")
End Sub
Private Sub tkakmp_Change()
On Error Resume Next
If tkakmp.Text = "10" Then
cbkakmp.Text = "Umum"
End If
If tkakmp.Text = "5" Then
cbkakmp.Text = "Khusus"
End If

```

	<pre> End Sub Private Sub ttbkmp_Change() On Error Resume Next If ttbkmp.Text = "29040" Then cbbtkmp.Text = "KARTON " End If If ttbkmp.Text = "19656" Then cbbtkmp.Text = "KARTON 2" End If If ttbkmp.Text = "52920" Then cbbtkmp.Text = "KARTON 3" End If If ttbkmp.Text = "9250" Then cbbtkmp.Text = "KARTON 4" End If If ttbkmp.Text = "17856" Then cbbtkmp.Text = "KARTON 5" End If If ttbkmp.Text = "4752" Then cbbtkmp.Text = "KARTON 6" End If If ttbkmp.Text = "53568" Then cbbtkmp.Text = "KARTON 7" End If If ttbkmp.Text = "29412" Then cbbtkmp.Text = "KARTON 8" End If If ttbkmp.Text = "0" Then cbbtkmp.Text = "6655 A" End If If ttbkmp.Text = "44220" Then cbbtkmp.Text = "6655" End If If ttbkmp.Text = "17000" Then cbbtkmp.Text = "341B" End If If ttbkmp.Text = "46800" Then cbbtkmp.Text = "IKP-BLUE" End If If ttbkmp.Text = "59644" Then cbbtkmp.Text = "IKP-YELLOW" End If If ttbkmp.Text = "22110" Then cbbtkmp.Text = "361B" End If If ttbkmp.Text = "44221" Then cbbtkmp.Text = "362B" End If If ttbkmp.Text = "25200" Then cbbtkmp.Text = "IKAT 1" End If End Sub </pre>
<i>Pra-Preferensi</i>	<pre> Public CN As New ADODB.Connection Public RS_KMP As ADODB.Recordset Public RS_MAT As ADODB.Recordset Public RS_BOM As ADODB.Recordset Public RS_PRE As ADODB.Recordset Public RS_PRA As ADODB.Recordset Public RS_UPK As ADODB.Recordset Public RS_UPM As ADODB.Recordset </pre>

```

Dim temp(100) As String
Sub konek()
    On Error GoTo err
    Dim ConString As String
    Dim Error As String
    Dim Datapath As String
    Datapath = App.Path & "\\Database2.mdb"
    ConString = "Provider=Microsoft.JET.OLEDB.4.0;Data Source=" & Datapath & ";Persist Scurity Info;False"
    If (CN.State = adStateOpen) Then
        CN.Close
        Set CN = New ADODB.Recordset
    End If
    CN.Open ConString
    CN.CursorLocation = adUseClient
    Exit Sub
err:
    Error = "Error Number : " & err.Number & vbCrLf & _
        "Error Message : " & err.Description
    MsgBox Error
End Sub
Sub pembuka()
    On Error GoTo SALAH
    konek
    'RS_dbpertanyaanwaq.Open "SELECT * FROM dbpertanyaanwaq ORDER BY kode_pertanyaan_waq", CN,
    adOpenStatic, adLockOptimistic
    RS_KMP.Open "SELECT * FROM dbkomponen ORDER BY kdkomponen", CN, adOpenStatic,
    adLockOptimistic
    RS_MAT.Open "SELECT * FROM dbmaterial", CN, adOpenStatic, adLockOptimistic
    RS_BOM.Open "SELECT * FROM dbbillofmaterial", CN, adOpenStatic, adLockOptimistic
    RS_PRE.Open "SELECT * FROM dbpreferensi", CN, adOpenStatic, adLockOptimistic
    RS_PRA.Open "SELECT * FROM dbprapreferensi", CN, adOpenStatic, adLockOptimistic
    RS_UPK.Open "SELECT * FROM dbupkomponen", CN, adOpenStatic, adLockOptimistic
    RS_UPM.Open "SELECT * FROM dbupmaterial", CN, adOpenStatic, adLockOptimistic
    SALAH:
End Sub
Sub isi_PRA()
    cbkdpra.Clear
    Set pra = dbase.OpenRecordset("select * from dbprapreferensi")
    Do While Not pra.EOF And Not pra.EOF
    If Not pra.EOF Then
        cbkdpra.AddItem pra.Fields(0)
        pra.MoveNext
    End If
    Loop
End Sub
Private Sub Adodc1_WillMove(ByVal adReason As ADODB.EventReasonEnum, adStatus As
ADODB.EventStatusEnum, ByVal pRecordset As ADODB.Recordset)
End Sub
Function alt()
    Dim o, p, q, r, temp, dev(1000), tenp, deu(1000), maxv As Double
    Dim i, j As Long
    Set kmp = dbase.OpenRecordset("select * from dbkomponen where nmkomponen = '" & Label2 & "'")
    Set upk = dbase.OpenRecordset("Select * from dbupkomponen where thnkomponen = '" & Combo2.Text
    & "' and blnkomponen = '" & Combo1.Text & "' and kdkomponen = '" & kmp.Fields(0) & "'")
    'Set BOM = dbase.OpenRecordset("select * from dbbillofmaterial where kdkomponen='" & kmp.Fields(0)
    & "'")
    'Set mat = dbase.OpenRecordset("select * from dbmaterial where kdmaterial='" & BOM.Fields(1) & "'")
    LV1.ListItems.Clear
    If Not upk.EOF Then
        upk.MoveFirst

```

```

While Not upk.EOF
Set butir = LV1.ListItems.Add(, , upk.Fields(4))
  With butir
  .SubItems(1) = upk.Fields(1)
  .SubItems(2) = upk.Fields(2)
  .SubItems(3) = upk.Fields(3)
  upk.MoveNext
  End With
Wend
End If
P = 0
q = 0
temp = 0
For i = 1 To LV1.ListItems.Count
q = Val(LV1.ListItems.Item(i).ListSubItems(2))
dev(i) = Abs(q)
temp = temp + dev(i)
Next i
Label26.Caption = temp
Label26.ForeColor = vbRed
With LV1
For i = 1 To .ListItems.Count
  If IsNumeric(.ListItems(i).SubItems(3)) Then
  If CDb(.ListItems(i).SubItems(3)) > maxv Then
  maxv = CDb(.ListItems(i).SubItems(3))
  End If
  End If
Next i
End With
Label15.Caption = maxv
Label15.ForeColor = vbRed
Label28.Caption = kmp.Fields(2)
Label28.ForeColor = vbRed
Label30.Caption = kmp.Fields(3)
Label30.ForeColor = vbRed
Label32.Caption = kmp.Fields(4)
Label32.ForeColor = vbRed
Label18.Caption = kmp.Fields(5)
Label18.ForeColor = vbRed
Label14.Caption = kmp.Fields(6)
Label14.ForeColor = vbRed
End Function
Sub awalan()
On Error Resume Next
Set mat = dbase.OpenRecordset("dbmaterial")
RS_MAT.MoveFirst
Set BOM = dbase.OpenRecordset("dbbillofmaterial")
RS_BOM.MoveFirst
Set kmp = dbase.OpenRecordset("dbkomponen")
RS_KMP.MoveFirst
Set pra = dbase.OpenRecordset("dbprapreferensi")
RS_PRA.MoveFirst
Set upk = dbase.OpenRecordset("dbupkomponen")
RS_UPK.MoveFirst
Combo1.Enabled = False
Command2.Enabled = False
Command9.Enabled = False
Command10.Enabled = False
End Sub
Private Sub Combo1_Click()

```



```

LV1.ListItems.Clear
Set upk = dbase.OpenRecordset("Select * from dbupkomponen where thnkomponen = '" & Combo2.Text
& "' and blnkomponen = '" & Combo1.Text & "'")
If upk.RecordCount < 1 Then
MsgBox "Maaf Data Belum Terdaftar", vbInformation, "Informasi"
Else
If Not upk.EOF Then
upk.MoveFirst
While Not upk.EOF
m = m + 1
With butir
.SubItems(1) = upk.Fields(1)
.SubItems(2) = upk.Fields(2)
.SubItems(3) = upk.Fields(3)
upk.MoveNext
End With
Wend
End If
End If
Command2.Enabled = True
Command9.Enabled = True
Command10.Enabled = True
End Sub
Private Sub Combo2_Click()
LV1.ListItems.Clear
Set upk = dbase.OpenRecordset("Select * from dbupkomponen where thnkomponen = '" & Combo2.Text
& "'")
If upk.RecordCount < 1 Then
MsgBox "Maaf Data Belum Terdaftar", vbInformation, "Informasi"
LV1.ListItems.Clear
Else
If Not upk.EOF Then
upk.MoveFirst
While Not upk.EOF
m = m + 1
Combo1.Enabled = True
End Sub
Private Sub Command1_Click()
MsgBox "Sebelum mengolah data komponen berdasarkan Process Similarity, harap perhatikan petunjuk
berikut : " & Chr(13) _
+ "" & Chr(13) _
+ "1. Klik 'Select Next' untuk memilih lanjut dan 'Select Preveous' untuk kembali, pilih data komponen
yang di tabel secara berurutan." & Chr(13) _
+ "" & Chr(13) _
+ "2. Klik 'Ok' untuk memastikan bahwa komponen yang dipilih dapat dikelompokan dengan benar." &
Chr(13) _
+ "" & Chr(13) _
+ "Setelah selesai maka pilih 'Next' untuk lanjut ke Form Preferensi atau 'Back' untuk kembali ke 'Main
Menu'" & Chr(13) _
+ "" & Chr(13) _
, vbOKOnly, "Petunjuk"
End Sub
Function TBL_MAT()
Set kmp = dbase.OpenRecordset("select * from dbkomponen where nmkomponen = '" & Label2 & "'")
Set bmu = dbase.OpenRecordset("select * from Q_BMU where kdkomponen='" & kmp.Fields(0) & "'")
ListView1.ListItems.Clear
If bmu.RecordCount < 1 Then
ListView1.Enabled = False
Else
ListView1.Enabled = True

```

```

If Not bmu.EOF Then
    bmu.MoveFirst
    While Not bmu.EOF
        Set Z = ListView1.ListItems.Add( , ListView1.ListItems.Count + 1 & ".")
        With Z
            .SubItems(1) = bmu.Fields(1)
            .SubItems(2) = bmu.Fields(2)
            .SubItems(3) = bmu.Fields(3)
        End With
        bmu.MoveNext
    End With
Wend
End If
End If
Label13.Caption = ListView1.ListItems.Count
Label13.ForeColor = vbRed
End Function
Function QTY_MAT()
    With ListView1
        For i = 1 To .ListItems.Count
            If IsNumeric(.ListItems(i).SubItems(3)) Then
                If CDBl(.ListItems(i).SubItems(3)) > maxv Then
                    maxv = CDBl(.ListItems(i).SubItems(3))
                End If
            End If
        Next i
    End With
    Set bmu = dbase.OpenRecordset("select * from Q_BMU where kdkomponen="" & kmp.Fields(0) & """)
    If ListView1.Enabled = False Then
        Label10.Caption = 0
        Label10.ForeColor = vbRed
        Label1.Caption = "NIHIL"
        Label1.ForeColor = vbRed
        Label4.Caption = "NIHIL"
        Label4.ForeColor = vbRed
    Else
        maxw = bmu.Fields(2)
        maxk = bmu.Fields(1)
        Label10.Caption = maxv
        Label10.ForeColor = vbRed
        Label1.Caption = maxw
        Label1.ForeColor = vbRed
        Label4.Caption = maxk
        Label4.ForeColor = vbRed
    End If
End Function
Private Sub Command2_Click()
    If Adodc1.Recordset.EOF Then
        Adodc1.Recordset.MoveFirst
        Label2.Caption = Adodc1.Recordset.Fields(1)
        Label2.ForeColor = vbRed
    Else
        Adodc1.Recordset.MovePrevious
        Label2.Caption = Adodc1.Recordset.Fields(1)
        Label2.ForeColor = vbRed
    End If
alt
TBL_MAT
QTY_MAT
End Sub
Private Sub Command3_Click()

```

```

Unload Me
home.Show
End Sub
Private Sub Command4_Click()
Unload Me
fpreferensi.Show
End Sub
Private Sub Command9_Click()
On Error Resume Next
If Label2.Caption = "" Then
Adodc1.Recordset.MoveFirst
Label2.Caption = Adodc1.Recordset.Fields(1)
Label2.ForeColor = vbRed
Label3.Caption = Adodc1.Recordset.Fields(0)
Label3.ForeColor = vbRed
Else
If Adodc1.Recordset.EOF Then
pembuka
Else
Adodc1.Recordset.MoveNext
Label2.Caption = Adodc1.Recordset.Fields(1)
Label2.ForeColor = vbRed
Label3.Caption = Adodc1.Recordset.Fields(0)
Label3.ForeColor = vbRed
End If
End If
alt
TBL_MAT
QTY_MAT
End Sub
Private Sub csimpanurut_Click()
On Error Resume Next
If turut.Visible = True Then
Set pra = dbase.OpenRecordset("select * from dbprapreferensi where kdpra = " & turut & """)
If pra.RecordCount < 1 Then
dbase.Execute "insert into dbprapreferensi values (" & turut.Text & ", " & cbnmkmp.Text & ", " &
cbnmmtat.Text & ", " & tbbmat.Text & ", " & tp.Text & ", " & ts.Text & ", " & tw.Text & ", " & tc.Text &
", " & tr.Text & ")"
MsgBox "Data Process Similarity telah disimpan", vbInformation, "informasi"
Else
dbase.Execute "update dbprapreferensi set kdpra= " & turut & ", nmkomponen= " & cbnmkmp & ",
nmmaterial= " & cbnmmtat & ", bbmaterial =" & tbbmat & ", nilai_p =" & tp & ", nilai_s =" & ts & ",
nilai_w =" & tw & ", nilai_c =" & tc & ", nilai_r =" & tr & ""
MsgBox "Data Process Similarity telah diperbaharui", vbInformation, "informasi"
End If
Else
dbase.Execute "update dbprapreferensi set kdpra= " & cbkdpra & ", nmkomponen= " & cbnmkmp &
", nmmaterial= " & cbnmmtat & ", bbmaterial =" & tbbmat & ", nilai_p =" & tp & ", nilai_s =" & ts & ",
nilai_w =" & tw & ", nilai_c =" & tc & ", nilai_r =" & tr & ""
MsgBox "Data Process Similarity telah diperbaharui", vbInformation, "informasi"
End If
isi_PRA
End Sub
Private Sub Form_Activate()
On Error Resume Next
End Sub
Private Sub Form_Load()
koneksi
pembuka
awalan

```

	<pre> Combo2.AddItem "2010" Combo2.AddItem "2011" Combo2.AddItem "2012" Combo2.AddItem "2013" Combo2.AddItem "2014" Combo2.AddItem "2015" Combo2.AddItem "2016" Combo2.AddItem "2017" Combo2.AddItem "2018" Combo2.AddItem "2019" Combo2.AddItem "2020" Combo1.AddItem "Januari" Combo1.AddItem "Februari" Combo1.AddItem "Maret" Combo1.AddItem "April" Combo1.AddItem "Mei" Combo1.AddItem "Juni" Combo1.AddItem "Juli" Combo1.AddItem "Agustus" Combo1.AddItem "September" Combo1.AddItem "Oktober" Combo1.AddItem "November" Combo1.AddItem "Desember" End Sub </pre>
Preferensi	<pre> Public CN As New ADODB.Connection Public RS_KMP As ADODB.Recordset Public RS_MAT As ADODB.Recordset Public RS_PRE As ADODB.Recordset Public RS_PRA As ADODB.Recordset Public RS_PRS As ADODB.Recordset Dim temp(100) As String Sub konek() On Error GoTo err Dim ConString As String Dim Error As String Dim Datapath As String Datapath = App.Path & "\Database2.mdb" ConString = "Provider=Microsoft.JET.OLEDB.4.0;Data Source=" & Datapath & ";Persist Scurity Info;False" If (CN.State = adStateOpen) Then CN.Close Set CN = New ADODB.Recordset End If CN.Open ConString CN.CursorLocation = adUseClient Exit Sub err: Error = "Error Number : " & err.Number & vbCrLf & _ "Error Message : " & err.Description MsgBox Error End Sub Sub pembuka() On Error GoTo SALAH konek RS_KMP.Open "SELECT * FROM dbkomponen", CN, adOpenStatic, adLockOptimistic RS_PRE.Open "SELECT * FROM dbpreferensi", CN, adOpenStatic, adLockOptimistic RS_PRA.Open "SELECT * FROM dbprapreferensi", CN, adOpenStatic, adLockOptimistic RS_MAT.Open "SELECT * FROM dbmaterial", CN, adOpenStatic, adLockOptimistic RS_PRS.Open "SELECT * FROM dbpraslot", CN, adOpenStatic, adLockOptimistic\ SALAH: End Sub </pre>

```

Sub awalan()
On Error Resume Next
Set kmp = dbase.OpenRecordset("dbkomponen")
RS_KMP.MoveFirst
Set mat = dbase.OpenRecordset("dbmaterial")
RS_MAT.MoveFirst
Set pra = dbase.OpenRecordset("dbprapreferensi")
RS_PRA.MoveFirst
Text18.Visible = True
Combo4.Enabled = False
Command11.Enabled = False
Command12.Enabled = False
Command13.Enabled = False
End Sub
Private Sub Combo3_Click()
Combo4.Enabled = True
End Sub
Private Sub Combo4_Click()
Dim i, j As Long
Set pra = dbase.OpenRecordset("select * from dbprapreferensi where blnpra=" & Combo4 & " and
thnpra=" & Combo3 & """)
If Not pra.EOF Then
    pra.MoveFirst
    While Not pra.EOF
        Set Z = ListView1.ListItems.Add(, , ListView1.ListItems.Count + 1 & ".")
        With Z
            .SubItems(1) = pra.Fields(1)
            .SubItems(2) = pra.Fields(2)
            .SubItems(3) = pra.Fields(3)
            .SubItems(4) = pra.Fields(4)
            .SubItems(5) = pra.Fields(5)
            .SubItems(6) = pra.Fields(6)
            .SubItems(7) = pra.Fields(7)
            .SubItems(8) = pra.Fields(8)
        End With
        pra.MoveNext
    End With
Wend
End If
With ListView1
For i = 1 To ListView1.ListItems.Count
    If IsNumeric(.ListItems(i).SubItems(4)) Then
        If CDb(.ListItems(i).SubItems(4)) > maxp Then
            maxp = CDb(.ListItems(i).SubItems(4))
        End If
    End If
Next i
End With
Label17.Caption = maxp
Label17.ForeColor = vbRed
With ListView1
For i = 1 To .ListItems.Count
    If IsNumeric(.ListItems(i).SubItems(5)) Then
        If Not (booHaveSetMinV) Or CDb(.ListItems(i).SubItems(5)) < minv Then
            booHaveSetMinV = True
            minv = CDb(.ListItems(i).SubItems(5))
        End If
    End If
Next i
End With
Label18.Caption = minv

```

```

Label18.ForeColor = vbRed
With ListView1
For i = 1 To ListView1.ListItems.Count
  If IsNumeric(.ListItems(i).SubItems(6)) Then
    If CDb(.ListItems(i).SubItems(6)) > maxw Then
      maxw = CDb(.ListItems(i).SubItems(6))
    End If
  End If
Next i
End With
Label19.Caption = maxw
Label19.ForeColor = vbRed
With ListView1
For i = 1 To ListView1.ListItems.Count
  If IsNumeric(.ListItems(i).SubItems(7)) Then
    If CDb(.ListItems(i).SubItems(7)) > maxc Then
      maxc = CDb(.ListItems(i).SubItems(7))
    End If
  End If
Next i
End With
Label20.Caption = maxc
Label20.ForeColor = vbRed

With ListView1
For i = 1 To ListView1.ListItems.Count
  If IsNumeric(.ListItems(i).SubItems(8)) Then
    If CDb(.ListItems(i).SubItems(8)) > maxr Then
      maxr = CDb(.ListItems(i).SubItems(8))
    End If
  End If
Next i
End With
Label21.Caption = maxr
Label21.ForeColor = vbRed
Command11.Enabled = True
Command12.Enabled = True
Command13.Enabled = True
End Sub
Private Sub Command11_Click()
If Label10.Caption = "" Then
Adodc1.Recordset.MoveFirst
Label10.Caption = Adodc1.Recordset.Fields(0)
Label10.ForeColor = vbRed
Label11.Caption = Adodc1.Recordset.Fields(1)
Label11.ForeColor = vbRed
Else
  If Adodc1.Recordset.EOF Then
    'Adodc1.Recordset.MoveFirst
    pembuka
  Else
    Adodc1.Recordset.MoveNext
    Label10.Caption = Adodc1.Recordset.Fields(0)
    Label10.ForeColor = vbRed
    Label11.Caption = Adodc1.Recordset.Fields(1)
    Label11.ForeColor = vbRed
  End If
End If
move_cmd
End Sub

```

```

Function move_cmd()
On Error Resume Next
Dim i As Integer
Set kmp = dbase.OpenRecordset("select * from dbkomponen where nmkomponen = '" & Label11 & "'")
Set pra = dbase.OpenRecordset("select * from dbprapreferensi where kdkomponen = '" & kmp.Fields(0) &
"' and blnpra='" & Combo4 & "' and thnpra='" & Combo3 & "'")
Label12.Caption = pra.Fields(4)
Label12.ForeColor = vbRed
Label13.Caption = pra.Fields(5)
Label13.ForeColor = vbRed
Label14.Caption = pra.Fields(6)
Label14.ForeColor = vbRed
Label15.Caption = pra.Fields(7)
Label15.ForeColor = vbRed
Label16.Caption = pra.Fields(8)
Label16.ForeColor = vbRed
Label22.Caption = "0.50"
Label22.ForeColor = vbRed
Label23.Caption = "0.15"
Label23.ForeColor = vbRed
Label24.Caption = "0.20"
Label24.ForeColor = vbRed
Label25.Caption = "0.10"
Label25.ForeColor = vbRed
Label26.Caption = "0.05"
Label26.ForeColor = vbRed
Label27.Caption = popularity + size + weight + characteristic + relationship
Label27.ForeColor = vbRed
End Function
Private Sub Command12_Click()
If Label10.Caption = "" Then
Adodc1.Recordset.MoveFirst
Label10.Caption = Adodc1.Recordset.Fields(0)
Label10.ForeColor = vbRed
Label11.Caption = Adodc1.Recordset.Fields(1)
Label11.ForeColor = vbRed
Else
If Adodc1.Recordset.EOF Then
'Adodc1.Recordset.MoveFirst
pembuka
Else
Adodc1.Recordset.MovePrevious
Label10.Caption = Adodc1.Recordset.Fields(0)
Label10.ForeColor = vbRed
Label11.Caption = Adodc1.Recordset.Fields(1)
Label11.ForeColor = vbRed
End If
End If
move_cmd
End Sub
Private Sub Command13_Click()
Set kmp = dbase.OpenRecordset("select * from dbkomponen where nmkomponen = '" & Label11 & "'")
Set pra = dbase.OpenRecordset("select * from dbprapreferensi where kdkomponen = '" & kmp.Fields(0) &
"'")
dbase.Execute "insert into dbpreferensi values ('" & "Pre" & "_" & Label10 & "_" & Combo4 & "_" &
Combo3 & "','" & Label10 & "','" & pra.Fields(2) & "','" & pra.Fields(3) & "','" & Label27 & "','" &
pra.Fields(9) & "','" & pra.Fields(10) & "','" & pra.Fields(11) & "','" & Combo4 & "','" & Combo3 & "'"")
MsgBox "Data Hasil SAW telah disimpan", vbInformation, "informasi"
End Sub
Private Sub Command2_Click()

```

```

MsgBox "Sebelum mengolah data komponen berdasarkan SAW, harap perhatikan petunjuk berikut : " +
Chr(13) _
+ "" & Chr(13) _
+ "1. Klik 'Select Next' untuk memilih lanjut dan 'Select Preveous' untuk memilih sebelumnya, pilih data
komponen yang di tabel secara berurutan." & Chr(13) _
+ "" & Chr(13) _
+ "2. klik 'Ok' untuk memastikan bahwa komponen yang dipilih benar." & Chr(13) _
+ "" & Chr(13) _
+ "Setelah selesai maka pilih 'Next' untuk lanjut ke Form Storage atau 'Back' untuk kembali ke Form Pra-
Preferensi" + Chr(13) _
+ "" & Chr(13) _
, vbOKOnly, "Petunjuk"
End Sub
Private Sub Command4_Click()
If Text18.Visible = True Then
Set pre = dbase.OpenRecordset("select * from dbpreferensi where kdpreferensi = " & Text18 & """)
If pre.RecordCount < 1 Then
dbase.Execute "insert into dbpreferensi values (" & Text18 & ", " & Combo2 & ", " & Text21 & ", " &
Text22 & ", " & Text16 & ", " & Text17 & ", " & Text19 & ", " & Text20 & """)
MsgBox "Data Hasil SAW telah disimpan", vbInformation, "informasi"
Else
dbase.Execute "update dbpreferensi set kdpreferensi= " & Text18 & ", nmkomponen= " & Combo2
& ", nmmaterial= " & Text21 & ", urmaterial = " & Text22 & ", nlpreferensi = " & Text16 & ", kpatas = " &
Text17 & ", kpbawah = " & Text19 & ", stkomponen = " & Text20 & ""
MsgBox "Data Hasil SAW telah diperbaharui", vbInformation, "informasi"
End If
Else
dbase.Execute "update dbpreferensi set kdpreferensi= " & Combo1 & ", nmkomponen= " & Combo2 &
", nmmaterial= " & Text21 & ", urmaterial = " & Text22 & ", nlpreferensi = " & Text16 & ", kpatas = " &
Text17 & ", kpbawah = " & Text19 & ", stkomponen = " & Text20 & ""
MsgBox "Data Hasil SAW telah diperbaharui", vbInformation, "informasi"
End If
End Sub
Private Sub Command5_Click()
Unload Me
fstorage.Show
End Sub
Private Sub Command6_Click()
Unload Me
fprapreferensi.Show
End Sub
Private Sub Form_Load()
koneksi
pembuka
awalan
Combo3.AddItem "2010"
Combo3.AddItem "2011"
Combo3.AddItem "2012"
Combo3.AddItem "2013"
Combo3.AddItem "2014"
Combo3.AddItem "2015"
Combo3.AddItem "2016"
Combo3.AddItem "2017"
Combo3.AddItem "2018"
Combo3.AddItem "2019"
Combo3.AddItem "2020"
Combo4.AddItem "Januari"
Combo4.AddItem "Februari"
Combo4.AddItem "Maret"
Combo4.AddItem "April"

```


	<pre> Combo4.AddItem "Mei" Combo4.AddItem "Juni" Combo4.AddItem "Juli" Combo4.AddItem "Agustus" Combo4.AddItem "September" Combo4.AddItem "Oktober" Combo4.AddItem "November" Combo4.AddItem "Desember" End Sub Function popularity() As Currency a = Val(Label12.Caption) b = Val(Label17.Caption) k = Val(Label22.Caption) popularity = (a / b) * k End Function Function size() As Currency c = Val(Label13.Caption) d = Val(Label18.Caption) l = Val(Label23.Caption) size = (d / c) * l End Function Function weight() As Currency e = Val(Label14.Caption) f = Val(Label19.Caption) m = Val(Label24.Caption) weight = (e / f) * m End Function Function characteristic() As Currency g = Val(Label15.Caption) h = Val(Label20.Caption) N = Val(Label25.Caption) characteristic = (g / h) * N End Function Function relationship() As Currency i = Val(Label16.Caption) j = Val(Label21.Caption) o = Val(Label26.Caption) relationship = (i / j) * o End Function </pre>
Storage	<pre> Public CN As New ADODB.Connection Public RS_BOM As ADODB.Recordset Public RS_MAT As ADODB.Recordset Public RS_PRE As ADODB.Recordset Public RS_PRS As ADODB.Recordset Private RS_PRE2 As New ADODB.Recordset Dim temp(100) As String Sub konek() On Error GoTo err Dim ConString As String Dim Error As String Dim Datapath As String Datapath = App.Path & "\Database2.mdb" ConString = "Provider=Microsoft.JET.OLEDB.4.0;Data Source=" & Datapath & ";Persist Scurity Info;False" If (CN.State = adStateOpen) Then CN.Close Set CN = New ADODB.Recordset End If CN.Open ConString CN.CursorLocation = adUseClient Exit Sub </pre>

```

err:
    Error = "Error Number : " & err.Number & vbCrLf & _
        "Error Message : " & err.Description
    MsgBox Error
End Sub

Sub pembuka()
On Error GoTo SALAH
konek
RS_BOM.Open "SELECT * FROM dbbillofmaterial", CN, adOpenStatic, adLockOptimistic
RS_MAT.Open "SELECT * FROM dbmaterial", CN, adOpenStatic, adLockOptimistic
RS_PRE.Open "SELECT * FROM dbpreferensi", CN, adOpenStatic, adLockOptimistic
RS_PRS.Open "SELECT * FROM dbpraslot", CN, adOpenStatic, adLockOptimistic
SALAH:
End Sub

Sub otomatis()
Dim NO
Set prs = dbase.OpenRecordset("select * from dbpraslot")
If prs.EOF Then
Text1 = "S" + "0001"
Else
prs.MoveLast
If Mid(Trim(prs.Fields(0)), 4, 5) Then
NO = Trim(prs.Fields(0))
NO = Right(NO, 4)
NO = Val(NO) + 1
NO = Str(NO)
NO = Trim(NO)
NO = Left("0000", 4 - Len(NO)) + NO
Text1 = "S" + NO
Else
Text1 = "S" + "0001"
End If
End If
End Sub

Private Sub Combo2_Click()
ADO1.RecordSource = "SELECT * FROM Q_pre where blnpre = '" & Combo2 & "' and thnpre = '" & Combo1
& "'"
ADO1.Refresh
End Sub

Private Sub Command12_Click()
End Sub

Private Sub Command14_Click()
Unload Me
fpreferensi.Show
End Sub

Private Sub Command16_Click()
pesan = MsgBox("Anda yakin ingin menghapus data Kelompok CBS tersebut??", vbYesNo + vbQuestion,
"Konfirmasi")
If pesan = vbYes Then
MsgBox "Data Kelompok CBS SAW telah dihapus", vbInformation, "Informasi"
If Combo5.Text = "" Then
MsgBox "Tidak ada data"
Else
dbase.Execute "delete from dbpraslot where kdslot = '" & Combo5.Text & "'"
MsgBox "Data Kelompok CBS telah dihapus", vbInformation, "Informasi"
End If
End If
isi_PRS
ListView4.ListItems.Clear

```

```

Set prs = dbase.OpenRecordset("dbpraslot")
If Not prs.EOF Then
    prs.MoveFirst
    While Not prs.EOF
        Set Z = ListView4.ListItems.Add(, , ListView4.ListItems.Count + 1 & ".")
        With Z
            .SubItems(1) = prs.Fields(1)
            .SubItems(2) = prs.Fields(3)
            .SubItems(3) = prs.Fields(2)
            .SubItems(4) = prs.Fields(5)
            .SubItems(5) = prs.Fields(6)
            .SubItems(6) = prs.Fields(7)
        End With
        prs.MoveNext
    End While
End If
End Sub
Private Sub Command17_Click()
If Label4.Caption = "" Then
ADO1.Recordset.MoveFirst
Label4.Caption = ADO1.Recordset.Fields(0)
Label4.ForeColor = vbRed
Else
    If ADO1.Recordset.EOF Then
        pembuka
    Else
        ADO1.Recordset.MoveNext
        Label4.Caption = ADO1.Recordset.Fields(0)
        Label4.ForeColor = vbRed
    End If
End If
adodua
Label8.Caption = ""
Label9.Caption = ""
Label10.Caption = ""
End Sub
Function adodua()
Adodc1.RecordSource = "SELECT * FROM Q_pre2 where kdmaterial = " & Label4 & ""
Adodc1.Refresh
Adodc1.Caption = Adodc1.RecordSource
Adodc1.Caption = vbBlue
End Function
Private Sub Command3_Click()
    Adodc1.Recordset.MovePrevious
    Label8.Caption = Adodc1.Recordset.Fields(0)
    Label8.ForeColor = vbRed
    Label9.Caption = Adodc1.Recordset.Fields(1)
    Label9.ForeColor = vbRed
ambilpre
End Sub
Private Sub Command4_Click()
MsgBox "Clas Based Deducate Storage adalah pengaturan tempat pergudangan dirancang lebih fleksibel
yaitu dengan cara membagi tempat penyimpanan menjadi beberapa bagian." & Chr(13) _
+ "" & Chr(13) _
+ "Sebelum mengolah data komponen berdasarkan CBS, harap perhatikan petunjuk berikut:" & Chr(13) _
+ "" & Chr(13) _
+ "1. Pilih 'Tahun' dan 'Bulan'" & Chr(13) _
+ "" & Chr(13) _
+ "2. Klik 'Select Next' atau 'Select Previous' pada kolom Kelompok secara berlanjut." & Chr(13) _
+ "" & Chr(13) _

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```

+ "3. Pilih option 'Rak Kanan' atau 'Rak Kiri' pada masing-masing tabel." + Chr(13) _
+ "" & Chr(13) _
+ "4. Klik 'Select Next' atau 'Select Previous' pada kolom Komponen secara berlanjut." + Chr(13) _
+ "" & Chr(13) _
+ "5. Klik 'Add' untuk menambahkan ke kolom rak dan 'Ok' untuk konfirmasi penyimpanan." + Chr(13) _
+ "" & Chr(13) _
, vbOKOnly, "Petunjuk"
'MsgBox "Clas Based Deducate Storage adalah pengaturan tempat pergudangan dirancang lebih fleksibel
yaitu dengan cara membagi tempat penyimpanan menjadi beberapa bagian." + Chr(13) _
'+ "" & Chr(13) _
'+ "Sebelum mengolah data komponen berdasarkan CBS, harap perhatikan petunjuk berikut : " + Chr(13) _
'+ " & Chr(13) _"
'+ "1. Pilih 'Tahun' dan 'Bulan'" & Chr(13) _
'+ " & Chr(13) _"
'+ "2. Klik 'Select Next' atau 'Select Previous' pada kolom Kelompok, secara berlanjut" & Chr(13) _
'+ " & Chr(13) _"
'+ "3. Pilih option 'Rak Kanan' atau 'Rak Kiri' pada masing-masing tabel" & Chr(13) _
'+ " & Chr(13) _"
'+ "4. Klik 'Select Next' atau 'Select Previous' pada kolom Komponen, secara berlanjut" & Chr(13) _
'+ " & Chr(13) _"
'+ "5. Klik 'Add' untuk menambahkan ke kolom rak dan 'Ok' untuk konfirmasi penyimpanan" & Chr(13) _
'+ " & Chr(13) _"
', vbOKOnly, "Petunjuk"
End Sub
Private Sub Command6_Click()
Unload Me
home.Show
End Sub
Private Sub Command2_Click()
If Text1.Visible = True Then
Set prs = dbase.OpenRecordset("select * from dbpraslot where kdslot = '" & Text1 & "'")
If prs.RecordCount < 1 Then
dbase.Execute "insert into dbpraslot values ('" & Text1.Text & "', '" & Combo4.Text & "', '" &
Text2.Text & "', '" & Text5.Text & "', '" & Text6.Text & "', '" & Text3.Text & "', '" & Text4.Text & "', '" &
Text7.Text & "')"
MsgBox "Data Kelompok CBS SAW telah disimpan", vbInformation, "informasi"
Else
dbase.Execute "update dbpraslot set kdslot= '" & Text1 & "', nmkomponen= '" & Combo4 & "',
nmmaterial= '" & Text2 & "', urmaterial ='" & Text5 & "', npreferensi ='" & Text6 & "', kpatas ='" & Text3 &
"', kpbawah ='" & Text4 & "', stkomponen ='" & Text7 & "''"
MsgBox "Data Kelompok CBS SAW telah diperbaharui", vbInformation, "informasi"
End If
Else
dbase.Execute "update dbpraslot set kdslot= '" & Combo5 & "', nmkomponen= '" & Combo4 & "',
nmmaterial= '" & Text2 & "', urmaterial ='" & Text5 & "', npreferensi ='" & Text6 & "', kpatas ='" & Text3 &
"', kpbawah ='" & Text4 & "', stkomponen ='" & Text7 & "''"
MsgBox "Data Kelompok CBS SAW telah diperbaharui", vbInformation, "informasi"
End If
isi_PRS
ListView4.ListItems.Clear
Set prs = dbase.OpenRecordset("select * from dbpraslot")
If Not prs.EOF Then
prs.MoveFirst
While Not prs.EOF
Set Z = ListView4.ListItems.Add(, , ListView4.ListItems.Count + 1 & ".")
With Z
.SubItems(1) = prs.Fields(1)
.SubItems(2) = prs.Fields(3)
.SubItems(3) = prs.Fields(2)
.SubItems(4) = prs.Fields(5)

```

```

.SubItems(5) = prs.Fields(6)
.SubItems(6) = prs.Fields(7)
prs.MoveNext
End With
Wend
End If
ListView4.ListItems.Add
MsgBox "data telah disimpan", vbInformasi, "Informasi"
End Sub
Sub awalan()
On Error Resume Next
Set pre = dbase.OpenRecordset("dbpreferensi")
RS_PRE.MoveFirst
End Sub
Private Sub Command7_Click()
If Label8.Caption = "" Then
Adodc1.Recordset.MoveFirst
Label8.Caption = Adodc1.Recordset.Fields(0)
Label8.ForeColor = vbRed
Label9.Caption = Adodc1.Recordset.Fields(1)
Label9.ForeColor = vbRed
Else
If Adodc1.CursorLocation = Adodc1.Recordset.RecordCount - 1 Then
Adodc1.Recordset.MoveLast
Label8.Caption = Adodc1.Recordset.Fields(0)
Label8.ForeColor = vbRed
Label9.Caption = Adodc1.Recordset.Fields(1)
Label9.ForeColor = vbRed
Else
Adodc1.Recordset.MoveNext
Label8.Caption = Adodc1.Recordset.Fields(0)
Label8.ForeColor = vbRed
Label9.Caption = Adodc1.Recordset.Fields(1)
Label9.ForeColor = vbRed
End If
End If
End Sub
Function ambilpre()
On Error Resume Next
Set pre = dbase.OpenRecordset("select * from dbpreferensi where kdkomponen="" & Label8 & """)
Label10.Caption = pre.Fields(5)
Label10.ForeColor = vbRed
End Function
Private Sub Command8_Click()
If Option1.Value = True And Option2.Value = False Then
dbase.Execute "insert into dbrakkiri values ('" & Label1 & "','" & Label2 & "','" & Label3 & "','" & Combo2 & "','" & Combo1 & "')"
Label1.Caption = Clear
Label2.Caption = Clear
Label3.Caption = Clear
ListView1.ListItems.Clear
Set rki = dbase.OpenRecordset("select * from dbrakkiri where blnkr = '" & Combo2 & "' and thnkr = '" & Combo1 & "'")
If Not rki.EOF Then
rki.MoveFirst
While Not rki.EOF
Set Z = ListView1.ListItems.Add(, , ListView1.ListItems.Count + 1 & ".")
With Z
.SubItems(1) = rki.Fields(1)

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```

.SubItems(2) = rki.Fields(2)
rki.MoveNext
End With
Wend
End If
Label27.Caption = ListView1.ListItems.Count
Elseif Option1.Value = False And Option2.Value = True Then
dbase.Execute "insert into dbrakkanan values ('" & Label5 & "','" & Label6 & "','" & Label7 & "','" &
Combo2 & "','" & Combo1 & "'"")"
Label5.Caption = Clear
Label6.Caption = Clear
Label7.Caption = Clear
ListView2.ListItems.Clear
Set rka = dbase.OpenRecordset("select * from dbrakkanan where blnkn = '" & Combo2 & "'" and thkn =
'" & Combo1 & "'")
If Not rka.EOF Then
rka.MoveFirst
While Not rka.EOF
Set Z = ListView2.ListItems.Add(, , ListView2.ListItems.Count + 1 & ".")
With Z
.SubItems(1) = rka.Fields(1)
.SubItems(2) = rka.Fields(2)
rka.MoveNext
End With
Wend
End If
ListView2.ListItems.Count = Label29.Caption
End If
End Sub
Function smprak()
Set pre = dbase.OpenRecordset("select * from dbpreferensi where kdkomponen='" & Label8 & "'")
If Label10.Caption = "0" Then
MsgBox "Komponen sudah habis, harap pilih selanjutnya!"
Else
'If Val(Text11.Text) Mod 2 = 1 Then
If Option1.Value = True And Option2.Value = False Then
Dim NO
Set rki = dbase.OpenRecordset("select kdrak from dbrakkiri where blnkr = '" & Combo2 & "'" and thnkr =
'" & Combo1 & "'")
If rki.RecordCount = 0 Then
Label1 = "RAK" & "001"
Else
rki.MoveLast
NO = Right(rki.Fields(0), 3) + 1
Label1 = "RAK" & Right("00" & NO, 3)
End If
If pre.Fields(7) > Val(Label10.Caption) Then
If Label3.Caption = "" Then
Label3.Caption = Label8.Caption
Label10.Caption = "0"
Else
If pre.Fields(6) > Val(Label10.Caption) Then
Label2.Caption = Label8.Caption
Label10.Caption = "0"
Else
Label2.Caption = Label8.Caption
X = Val(Label10.Caption) - pre.Fields(6)
Label10.Caption = X
End If
End If
End If

```

```

Else
  If pre.Fields(6) > Val(Label10.Caption) Then
    If Label2.Caption = "" Then
      Label2.Caption = Label8.Caption
      Label10.Caption = "0"
    Else
      If Val(Label10.Caption) < pre.Fields(7) Then
        Label3.Caption = Label8.Caption
        Label10.Caption = "0"
      Else
        Label3.Caption = Label8.Caption
        Y = Val(Label10.Caption) - pre.Fields(6)
        Label10.Caption = Y
      End If
    End If
  Else
    If (pre.Fields(6) + pre.Fields(7)) > Val(Label10.Caption) Then
      If Label2.Caption = "" And Label3.Caption = "" Then
        Label2.Caption = Label8.Caption
        Label3.Caption = Label8.Caption
        Label10.Caption = "0"
      Else
        If Label3.Caption <> "" And Label2.Caption = "" Then
          Label2.Caption = Label8.Caption
          j = Val(Label10.Caption) - pre.Fields(6)
          Label10.Caption = j
        Else
          Label3.Caption = Label8.Caption
          k = Val(Label10.Caption) - pre.Fields(7)
          Label10.Caption = k
        End If
      End If
    Else
      If Label2.Caption = "" And Label3.Caption = "" Then
        Label2.Caption = Label8.Caption
        Label3.Caption = Label8.Caption
        a = Val(Label10.Caption) - (pre.Fields(6) + pre.Fields(7))
        Label10.Caption = a
      Else
        If Label3.Caption <> "" And Label2.Caption = "" Then
          Label2.Caption = Label8.Caption
          j = Val(Label10.Caption) - pre.Fields(6)
          Label10.Caption = j
        Else
          Label3.Caption = Label8.Caption
          k = Val(Label10.Caption) - pre.Fields(7)
          Label10.Caption = k
        End If
      End If
    End If
  End If
End If
Elseif Option1.Value = False And Option2.Value = True Then
  Dim NOO
  Set rka = dbase.OpenRecordset("select kdrak from dbrakkanan where blnkn = " & Combo2 & " and
  thnkn = " & Combo1 & """)
  If rka.RecordCount = 0 Then
    Label5 = "RAK" & "001"
  Else
    rka.MoveLast

```

```

NOO = Right(rka.Fields(0), 3) + 1
Label5 = "RAK" & Right("00" & NOO, 3)
End If
If pre.Fields(7) > Val(Label10.Caption) Then
  If Label7.Caption = "" Then
    Label7.Caption = Label8.Caption
    Label10.Caption = "0"
  Else
    If pre.Fields(6) > Val(Label10.Caption) Then
      Label6.Caption = Label8.Caption
      Label10.Caption = "0"
    Else
      Label6.Caption = Label8.Caption
      X = Val(Label10.Caption) - pre.Fields(6)
      Label10.Caption = X
    End If
  End If
Else
  If pre.Fields(6) > Val(Label10.Caption) Then
    If Label6.Caption = "" Then
      Label6.Caption = Label8.Caption
      Label10.Caption = "0"
    Else
      If Val(Label10.Caption) < pre.Fields(7) Then
        Label7.Caption = Label8.Caption
        Label10.Caption = "0"
      Else
        Label7.Caption = Label8.Caption
        Y = Val(Label10.Caption) - pre.Fields(6)
        Label10.Caption = Y
      End If
    End If
  Else
    If (pre.Fields(6) + pre.Fields(7)) > Val(Label10.Caption) Then
      If Label6.Caption = "" And Label7.Caption = "" Then
        Label6.Caption = Label8.Caption
        Label7.Caption = Label8.Caption
        Label10.Caption = "0"
      Else
        If Label7.Caption <> "" And Label6.Caption = "" Then
          Label6.Caption = Label8.Caption
          j = Val(Label10.Caption) - pre.Fields(6)
          Label10.Caption = j
        Else
          Label7.Caption = Label8.Caption
          k = Val(Label10.Caption) - pre.Fields(7)
          Label10.Caption = k
        End If
      End If
    Else
      If Label6.Caption = "" And Label7.Caption = "" Then
        Label6.Caption = Label8.Caption
        Label7.Caption = Label8.Caption
        a = Val(Label10.Caption) - (pre.Fields(6) + pre.Fields(7))
        Label10.Caption = a
      Else
        If Label7.Caption <> "" And Label6.Caption = "" Then
          Label6.Caption = Label8.Caption
          j = Val(Label10.Caption) - pre.Fields(6)
          Label10.Caption = j
        End If
      End If
    End If
  End If

```



```

Else
Label7.Caption = Label8.Caption
k = Val(Label10.Caption) - pre.Fields(7)
Label10.Caption = k
End If
End If
End If
End If
End If
End If
End Function
Private Sub Command9_Click()
smprak
End Sub
Private Sub Form_Load()
koneksi
pembuka
awalan
Combo1.AddItem "2010"
Combo1.AddItem "2011"
Combo1.AddItem "2012"
Combo1.AddItem "2013"
Combo1.AddItem "2014"
Combo1.AddItem "2015"
Combo1.AddItem "2016"
Combo1.AddItem "2017"
Combo1.AddItem "2018"
Combo1.AddItem "2019"
Combo1.AddItem "2020"
Combo2.AddItem "Januari"
Combo2.AddItem "Februari"
Combo2.AddItem "Maret"
Combo2.AddItem "April"
Combo2.AddItem "Mei"
Combo2.AddItem "Juni"
Combo2.AddItem "Juli"
Combo2.AddItem "Agustus"
Combo2.AddItem "September"
Combo2.AddItem "Oktober"
Combo2.AddItem "November"
Combo2.AddItem "Desember"
End Sub
Private Sub Form_Activate()
Set prs = dbase.OpenRecordset("select * from dbpraslot")
If Not prs.EOF Then
prs.MoveFirst
While Not prs.EOF
Set Z = ListView4.ListItems.Add( , ListView4.ListItems.Count + 1 & ".")
With Z
.SubItems(1) = prs.Fields(1)
.SubItems(2) = prs.Fields(3)
.SubItems(3) = prs.Fields(2)
.SubItems(4) = prs.Fields(5)
.SubItems(5) = prs.Fields(6)
.SubItems(6) = prs.Fields(7)
prs.MoveNext
End With
Wend
End If

```

	<pre> Set mat = dbase.OpenRecordset("select * from dbmaterial") If Not mat.EOF Then mat.MoveFirst While Not mat.EOF Set Z = ListView5.ListItems.Add(, , ListView5.ListItems.Count + 1 & ".") With Z .SubItems(1) = mat.Fields(1) mat.MoveNext End With Wend End If End Sub </pre>
Laporan	<pre> Public CN As New ADODB.Connection Public RS_Qkratas As ADODB.Recordset Public RS_Qkrbawah As ADODB.Recordset Public RS_Qknatas As ADODB.Recordset Public RS_Qknbawah As ADODB.Recordset Dim temp(100) As String Sub konek() On Error GoTo err Dim ConString As String Dim Error As String Dim Datapath As String Datapath = App.Path & "\Database2.mdb" ConString = "Provider=Microsoft.JET.OLEDB.4.0;Data Source=" & Datapath & ";Persist Scurity Info;False" If (CN.State = adStateOpen) Then CN.Close Set CN = New ADODB.Recordset End If CN.Open ConString CN.CursorLocation = adUseClient Exit Sub err: Error = "Error Number : " & err.Number & vbCrLf & _ "Error Message : " & err.Description MsgBox Error End Sub Sub pembuka() On Error GoTo SALAH konek RS_Qkratas.Open "SELECT * FROM Q_kratas", CN, adOpenStatic, adLockOptimistic RS_Qkrbawah.Open "SELECT * FROM Q_krbawah", CN, adOpenStatic, adLockOptimistic RS_Qknatas.Open "SELECT * FROM Q_knatas", CN, adOpenStatic, adLockOptimistic RS_Qknbawah.Open "SELECT * FROM Q_knbawah", CN, adOpenStatic, adLockOptimistic SALAH: End Sub Private Sub Check1_Click() If Check1.Value = 1 Then Check2.Enabled = True Check1.ForeColor = vbBlue rack_active shape_active Else Check1.ForeColor = vbBlack Check2.Enabled = False rack_nonactive shape_nonactive End If End Sub Sub shape_active() </pre>

Shape3.Visible = True
Shape6.Visible = True
Shape7.Visible = True
Shape8.Visible = True
Shape9.Visible = True
Shape10.Visible = True
Shape11.Visible = True
Shape12.Visible = True
Shape13.Visible = True
Shape14.Visible = True
Shape15.Visible = True
Shape16.Visible = True
Shape17.Visible = True
Shape18.Visible = True
Shape19.Visible = True
Shape20.Visible = True
Shape21.Visible = True
Shape22.Visible = True
Shape23.Visible = True
Shape24.Visible = True
Shape25.Visible = True
Shape26.Visible = True
Shape27.Visible = True
Shape28.Visible = True
Shape29.Visible = True
Shape30.Visible = True
Shape31.Visible = True
Shape32.Visible = True
Shape33.Visible = True
Shape34.Visible = True
Shape35.Visible = True
Shape36.Visible = True
Shape37.Visible = True
Shape38.Visible = True
Shape39.Visible = True
Shape40.Visible = True
Shape41.Visible = True
Shape42.Visible = True
Shape43.Visible = True
Shape44.Visible = True
Shape45.Visible = True
Shape46.Visible = True
Shape47.Visible = True
Shape48.Visible = True
Shape49.Visible = True
Shape50.Visible = True
Shape51.Visible = True
Shape52.Visible = True
Shape53.Visible = True
Shape54.Visible = True
Shape55.Visible = True
Shape56.Visible = True
Shape57.Visible = True
Shape58.Visible = True
Shape59.Visible = True
Shape60.Visible = True
Shape61.Visible = True
Shape62.Visible = True
Shape63.Visible = True
Shape64.Visible = True

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Shape65.Visible = True
Shape66.Visible = True
Shape67.Visible = True
Shape68.Visible = True
Shape69.Visible = True
Shape70.Visible = True
Shape71.Visible = True
Shape72.Visible = True
Shape73.Visible = True
Shape74.Visible = True
Shape75.Visible = True
Shape76.Visible = True
Shape77.Visible = True
Shape78.Visible = True
Shape79.Visible = True
Shape80.Visible = True
Shape81.Visible = True
Shape82.Visible = True
End Sub
Sub shape_nonactive()
Shape3.Visible = False
Shape6.Visible = False
Shape7.Visible = False
Shape8.Visible = False
Shape9.Visible = False
Shape10.Visible = False
Shape11.Visible = False
Shape12.Visible = False
Shape13.Visible = False
Shape14.Visible = False
Shape15.Visible = False
Shape16.Visible = False
Shape17.Visible = False
Shape18.Visible = False
Shape19.Visible = False
Shape20.Visible = False
Shape21.Visible = False
Shape22.Visible = False
Shape23.Visible = False
Shape24.Visible = False
Shape25.Visible = False
Shape26.Visible = False
Shape27.Visible = False
Shape28.Visible = False
Shape29.Visible = False
Shape30.Visible = False
Shape31.Visible = False
Shape32.Visible = False
Shape33.Visible = False
Shape34.Visible = False
Shape35.Visible = False
Shape36.Visible = False
Shape37.Visible = False
Shape38.Visible = False
Shape39.Visible = False
Shape40.Visible = False
Shape41.Visible = False
Shape42.Visible = False
Shape43.Visible = False
Shape44.Visible = False
```

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Shape45.Visible = False
Shape46.Visible = False
Shape47.Visible = False
Shape48.Visible = False
Shape49.Visible = False
Shape50.Visible = False
Shape51.Visible = False
Shape52.Visible = False
Shape53.Visible = False
Shape54.Visible = False
Shape55.Visible = False
Shape56.Visible = False
Shape57.Visible = False
Shape58.Visible = False
Shape59.Visible = False
Shape60.Visible = False
Shape61.Visible = False
Shape62.Visible = False
Shape63.Visible = False
Shape64.Visible = False
Shape65.Visible = False
Shape66.Visible = False
Shape67.Visible = False
Shape68.Visible = False
Shape69.Visible = False
Shape70.Visible = False
Shape71.Visible = False
Shape72.Visible = False
Shape73.Visible = False
Shape74.Visible = False
Shape75.Visible = False
Shape76.Visible = False
Shape77.Visible = False
Shape78.Visible = False
Shape79.Visible = False
Shape80.Visible = False
Shape81.Visible = False
Shape82.Visible = False
End Sub
Sub awalan()
On Error Resume Next
Set Qknatas = dbase.OpenRecordset("Q_knatas")
Set Qknbawah = dbase.OpenRecordset("Q_knbawah")
Set Qkratas = dbase.OpenRecordset("Q_kratas")
Set Qkrbawah = dbase.OpenRecordset("Q_krbawah")
rack_nonactive
shape_nonactive
Combo2.Enabled = False
Check1.Enabled = False
Check2.Enabled = False
End Sub
Private Sub Check2_Click()
If Check2.Value = 1 Then
Check2.ForeColor = vbBlue
Check1.Enabled = False
extt
Else
Check2.ForeColor = vbBlack
Check1.Enabled = True
rack_contain

```

```
End If
End Sub
Sub rack_contain()
'atas kiri
Label1.Caption = "RAK001"
Label73.Caption = "RAK002"
Label74.Caption = "RAK003"
Label75.Caption = "RAK004"
Label76.Caption = "RAK005"
Label77.Caption = "RAK006"
Label78.Caption = "RAK007"
Label79.Caption = "RAK008"
Label83.Caption = "RAK009"
Label82.Caption = "RAK010"
Label81.Caption = "RAK011"
Label80.Caption = "RAK012"
Label85.Caption = "RAK013"
Label84.Caption = "RAK014"
'bawah kiri
Label6.Caption = "RAK001"
Label60.Caption = "RAK002"
Label61.Caption = "RAK003"
Label62.Caption = "RAK004"
Label63.Caption = "RAK005"
Label64.Caption = "RAK006"
Label65.Caption = "RAK007"
Label66.Caption = "RAK008"
Label70.Caption = "RAK009"
Label69.Caption = "RAK010"
Label68.Caption = "RAK011"
Label67.Caption = "RAK012"
Label72.Caption = "RAK013"
Label71.Caption = "RAK014"
'bawah kanan
Label8.Caption = "RAK001"
Label5.Caption = "RAK002"
Label9.Caption = "RAK003"
Label10.Caption = "RAK004"
Label11.Caption = "RAK005"
Label12.Caption = "RAK006"
Label13.Caption = "RAK007"
Label14.Caption = "RAK008"
Label18.Caption = "RAK009"
Label17.Caption = "RAK010"
Label16.Caption = "RAK011"
Label15.Caption = "RAK012"
Label21.Caption = "RAK013"
Label20.Caption = "RAK014"
'atas kanan
Label7.Caption = "RAK001"
Label19.Caption = "RAK002"
Label22.Caption = "RAK003"
Label23.Caption = "RAK004"
Label24.Caption = "RAK005"
Label25.Caption = "RAK006"
Label26.Caption = "RAK007"
Label27.Caption = "RAK008"
Label31.Caption = "RAK009"
Label30.Caption = "RAK010"
Label29.Caption = "RAK011"
```

```

Label28.Caption = "RAK012"
Label33.Caption = "RAK013"
Label32.Caption = "RAK014"
End Sub
Private Sub Combo1_Click()
Combo2.Enabled = True
End Sub
Private Sub Combo2_Click()
Check1.Enabled = True
End Sub
Private Sub Command5_Click()
DataReport3.Show vbModal
End Sub
Private Sub Command6_Click()
DataReport4.Show vbModal
End Sub
Private Sub Command8_Click()
DataReport5.Sections("section4").Controls("Label7").Caption = Combo2.Text
DataReport5.Sections("section4").Controls("Label8").Caption = Combo1.Text
DataReport5.Show vbModal
End Sub
Private Sub Command1_Click()
home.Show
Unload Me
End Sub
Private Sub Command2_Click()
'Set Qknatas = dbase.OpenRecordset("select * from Q_knatas where blnkanan = '" & Combo2 & "' and
thnkanan = '" & Combo1 & "'")
'Set Qknbawah = dbase.OpenRecordset("select * from Q_knbawah where blnkanan = '" & Combo2 & "'
and thnkanan = '" & Combo1 & "'")
'Set Qkratas = dbase.OpenRecordset("select * from Q_kratas where blnkiri = '" & Combo2 & "' and thnkiri
= '" & Combo1 & "'")
'Set Qkrbawah = dbase.OpenRecordset("select * from Q_krbawah where blnkiri = '" & Combo2 & "' and
thnkiri = '" & Combo1 & "'")
pic
End Sub
Private Sub Command3_Click()
DataReport2.Show vbModal
End Sub
Private Sub Command4_Click()
DataReport1.Show vbModal
End Sub
Function extt()
Set Qkratas = dbase.OpenRecordset("Select * from Q_kratas where kdrak = '" & Label1 & "' and blnkr = '"
& Combo2 & "' and thnkr = '" & Combo1 & "'")
Label1.Caption = Qkratas.Fields(1)
Set Qkratas = dbase.OpenRecordset("Select * from Q_kratas where kdrak = '" & Label73 & "'")
Label73.Caption = Qkratas.Fields(1)
Set Qkratas = dbase.OpenRecordset("Select * from Q_kratas where kdrak = '" & Label74 & "'")
Label74.Caption = Qkratas.Fields(1)
Set Qkratas = dbase.OpenRecordset("Select * from Q_kratas where kdrak = '" & Label75 & "'")
Label75.Caption = Qkratas.Fields(1)
Set Qkratas = dbase.OpenRecordset("Select * from Q_kratas where kdrak = '" & Label76 & "'")
Label76.Caption = Qkratas.Fields(1)
Set Qkratas = dbase.OpenRecordset("Select * from Q_kratas where kdrak = '" & Label77 & "'")
Label77.Caption = Qkratas.Fields(1)
Set Qkratas = dbase.OpenRecordset("Select * from Q_kratas where kdrak = '" & Label78 & "'")
Label78.Caption = Qkratas.Fields(1)
Set Qkratas = dbase.OpenRecordset("Select * from Q_kratas where kdrak = '" & Label79 & "'")
Label79.Caption = Qkratas.Fields(1)

```



```

Set Qknbawah = dbase.OpenRecordset("Select * from Q_knbawah where kdrak = '" & Label18 & "'")
Label18.Caption = Qknbawah.Fields(1)
Set Qknbawah = dbase.OpenRecordset("Select * from Q_knbawah where kdrak = '" & Label17 & "'")
Label17.Caption = Qknbawah.Fields(1)
Set Qknbawah = dbase.OpenRecordset("Select * from Q_knbawah where kdrak = '" & Label16 & "'")
Label16.Caption = Qknbawah.Fields(1)
Set Qknbawah = dbase.OpenRecordset("Select * from Q_knbawah where kdrak = '" & Label15 & "'")
Label15.Caption = Qknbawah.Fields(1)
Set Qknbawah = dbase.OpenRecordset("Select * from Q_knbawah where kdrak = '" & Label21 & "'")
Label21.Caption = Qknbawah.Fields(1)
Set Qknbawah = dbase.OpenRecordset("Select * from Q_knbawah where kdrak = '" & Label20 & "'")
Label20.Caption = Qknbawah.Fields(1)
'atas kanan
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label7 & "' and blnkn = '" & Combo2 & "' and thnkn = '" & Combo1 & "'")
Label7.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label19 & "'")
Label19.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label22 & "'")
Label22.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label23 & "'")
Label23.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label24 & "'")
Label24.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label25 & "'")
Label25.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label26 & "'")
Label26.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label27 & "'")
Label27.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label31 & "'")
Label31.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label30 & "'")
Label30.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label29 & "'")
Label29.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label28 & "'")
Label28.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label33 & "'")
Label33.Caption = Qknatas.Fields(1)
Set Qknatas = dbase.OpenRecordset("Select * from Q_knatas where kdrak = '" & Label32 & "'")
Label32.Caption = Qknatas.Fields(1)
End Function
Sub rack_nonactive()
'kiri bawah
Label1.Visible = True
Label73.Visible = False
Label74.Visible = False
Label75.Visible = False
Label76.Visible = False
Label77.Visible = False
Label78.Visible = False
Label79.Visible = False
Label83.Visible = False
Label82.Visible = False
Label81.Visible = False
Label80.Visible = False
Label85.Visible = False
Label84.Visible = False
'bawah kiri

```

```
Label6.Visible = True
Label60.Visible = False
Label61.Visible = False
Label62.Visible = False
Label63.Visible = False
Label64.Visible = False
Label65.Visible = False
Label66.Visible = False
Label70.Visible = False
Label69.Visible = False
Label68.Visible = False
Label67.Visible = False
Label72.Visible = False
Label71.Visible = False
'bawah kanan
Label8.Visible = True
Label5.Visible = False
Label9.Visible = False
Label10.Visible = False
Label11.Visible = False
Label12.Visible = False
Label13.Visible = False
Label14.Visible = False
Label18.Visible = False
Label17.Visible = False
Label16.Visible = False
Label15.Visible = False
Label21.Visible = False
Label20.Visible = False
'atas kanan
Label7.Visible = True
Label19.Visible = False
Label22.Visible = False
Label23.Visible = False
Label24.Visible = False
Label25.Visible = False
Label26.Visible = False
Label27.Visible = False
Label31.Visible = False
Label30.Visible = False
Label29.Visible = False
Label28.Visible = False
Label33.Visible = False
Label32.Visible = False
End Sub
Sub rack_active()
'atas kiri
Label1.Visible = True
Label73.Visible = True
Label74.Visible = True
Label75.Visible = True
Label76.Visible = True
Label77.Visible = True
Label78.Visible = True
Label79.Visible = True
Label83.Visible = True
Label82.Visible = True
Label81.Visible = True
Label80.Visible = True
Label85.Visible = True
```


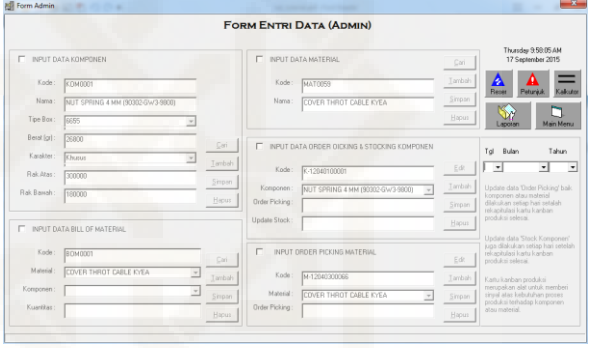
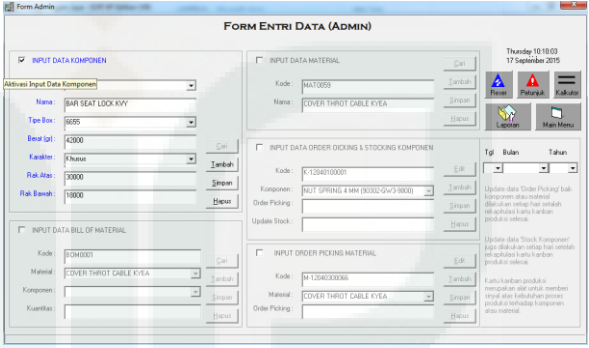
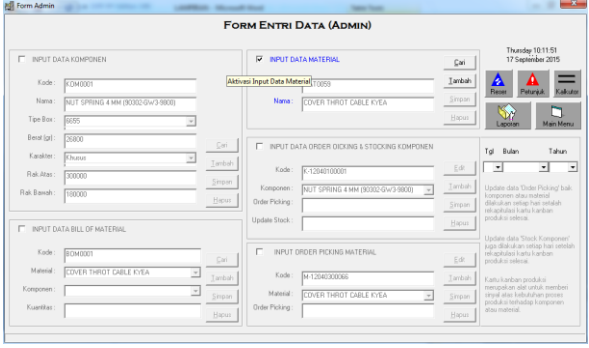
```

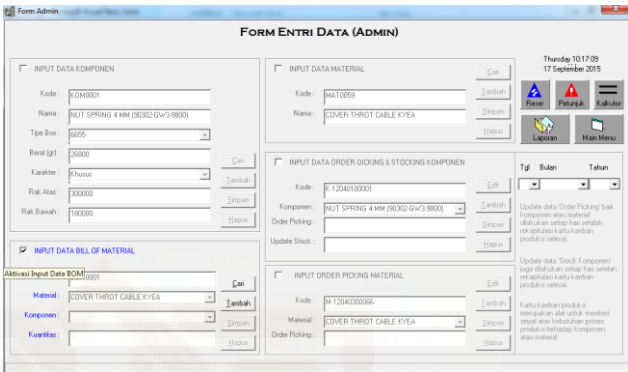
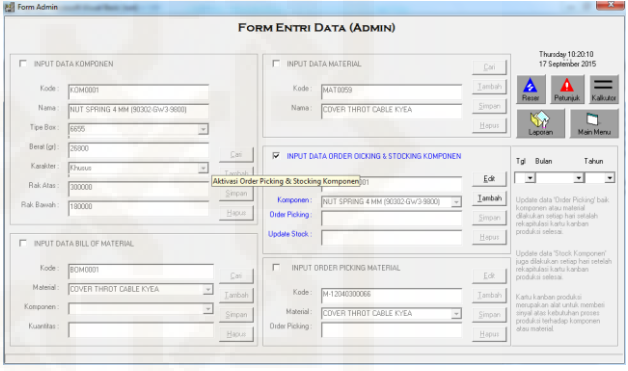
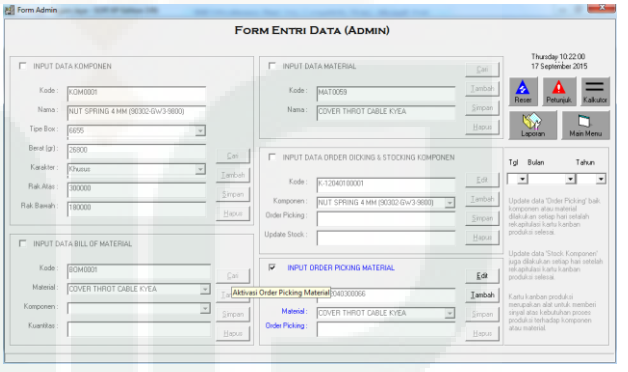
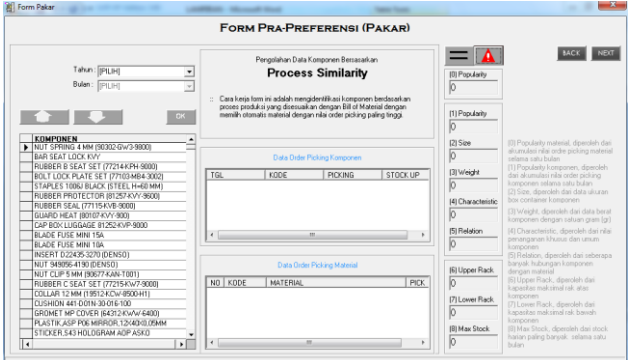
Label84.Visible = True
'bawah kiri
Label6.Visible = True
Label60.Visible = True
Label61.Visible = True
Label62.Visible = True
Label63.Visible = True
Label64.Visible = True
Label65.Visible = True
Label66.Visible = True
Label70.Visible = True
Label69.Visible = True
Label68.Visible = True
Label67.Visible = True
Label72.Visible = True
Label71.Visible = True
'bawah kanan
Label8.Visible = True
Label5.Visible = True
Label9.Visible = True
Label10.Visible = True
Label11.Visible = True
Label12.Visible = True
Label13.Visible = True
Label14.Visible = True
Label18.Visible = True
Label17.Visible = True
Label16.Visible = True
Label15.Visible = True
Label21.Visible = True
Label20.Visible = True
'atas kanan
Label7.Visible = True
Label19.Visible = True
Label22.Visible = True
Label23.Visible = True
Label24.Visible = True
Label25.Visible = True
Label26.Visible = True
Label27.Visible = True
Label31.Visible = True
Label30.Visible = True
Label29.Visible = True
Label28.Visible = True
Label33.Visible = True
Label32.Visible = True
End Sub
Private Sub Command9_Click()
    DataReport6.Sections("section4").Controls("Label7").Caption = Combo2.Text
    DataReport6.Sections("section4").Controls("Label8").Caption = Combo1.Text
    DataReport6.Show vbModal
End Sub
Private Sub Form_Load()
    awalan
    pembuka
    koneksi
    Combo1.AddItem "2010"
    Combo1.AddItem "2011"
    Combo1.AddItem "2012"
    Combo1.AddItem "2013"

```

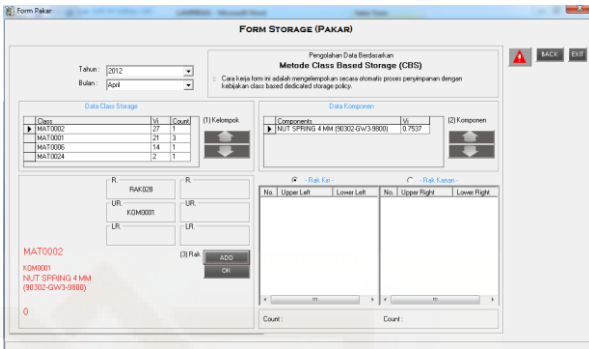
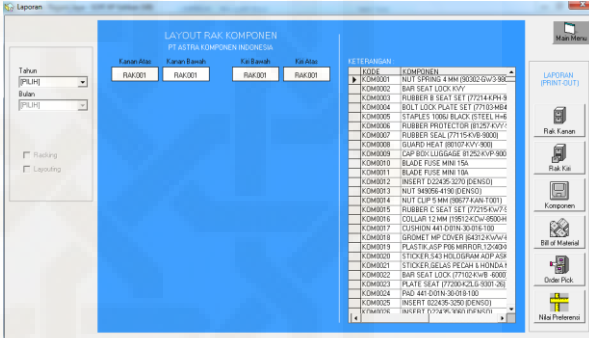
```
Combo1.AddItem "2014"  
Combo1.AddItem "2015"  
Combo1.AddItem "2016"  
Combo1.AddItem "2017"  
Combo1.AddItem "2018"  
Combo1.AddItem "2019"  
Combo1.AddItem "2020"  
Combo2.AddItem "Januari"  
Combo2.AddItem "Februari"  
Combo2.AddItem "Maret"  
Combo2.AddItem "April"  
Combo2.AddItem "Mei"  
Combo2.AddItem "Juni"  
Combo2.AddItem "Juli"  
Combo2.AddItem "Agustus"  
Combo2.AddItem "September"  
Combo2.AddItem "Oktober"  
Combo2.AddItem "November"  
Combo2.AddItem "Desember"  
End Sub  
Private Sub Timer1_Timer()  
Label86.Caption = Format(Date, "DDDD") & " " & Time()  
Label87.Caption = Format(Date, "DD MMMM YYYY")  
End Sub
```

Lampiran 3 Program Running

<p><i>Running Normal</i></p>	<p><i>Form Main Menu</i></p>	
<p><i>Normal</i></p>	<p><i>Entri Data</i></p>	
<p><i>Aktivasi Input Data Komponen</i></p>	<p><i>Entri Data</i></p>	
<p><i>Aktivasi Input Data Komponen</i></p>	<p><i>Entri Data</i></p>	

<p><i>Running</i> Aktivasi Data BOM</p>	<p><i>Form</i> Entri Data</p>	<p><i>Interface</i></p> 
<p><i>Aktivasi</i> Input Data Order Picking dan Stocking Komponen</p>	<p><i>Entri Data</i></p>	
<p><i>Aktivasi</i> Input Data Order Picking Material</p>	<p><i>Entri Data</i></p>	
<p><i>Normal</i></p>	<p><i>Prapreferensi</i></p>	

<p><i>Running</i></p> <p><i>Pemilihan Komponen (Pengolahan Data Process Similarity)</i></p>	<p><i>Form</i></p> <p><i>Prapreferensi</i></p>	<p><i>Interface</i></p>
<p><i>Normal</i></p>	<p><i>Preferensi</i></p>	
<p><i>Pemilihan Komponen (Pengolahan Data SAW)</i></p>	<p><i>Preferensi</i></p>	
<p><i>Normal</i></p>	<p><i>Storage</i></p>	

<p><i>Running</i></p> <p><i>Pemilihan Komponen dan Class/Kelompok (Pengolahan Data CBS)</i></p>	<p><i>Form Storage</i></p>	<p><i>Interface</i></p> 
<p><i>Normal</i></p>	<p><i>Laporan</i></p>	
<p><i>Layouting</i></p>	<p><i>Laporan</i></p>	