ANALISIS KEMIRIPAN SUARA MELALUI HANDPHONE UNTUK BARANG BUKTI DIGITAL DENGAN MENGGUNAKAN METODE AUDIO FORENSIK

Skripsi

untuk memenuhi sebagai persyaratan mencapai derajat Sarjana S-1

Program Studi Teknik Informatika

Disusun oleh:

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PROGRAM STUDI TEKNIK INFORMATIKA

FAKULTAS SAINS DAN TEKNOLOGI

UNIVERSITAS ISLAM NEGERI SUNAN KALIJAGA

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PENGESAHAN SKRIPSI/TUGAS AKHIR

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Assalamu'alaikum wr. wb.

Setelah membaca, meneliti, memberikan petunjuk dan mengoreksi serta mengadakan perbaikan seperlunya, maka kami selaku pembimbing berpendapat bahwa skripsi Saudara:

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sudah dapat diajukan kembali kepada Program Studi Teknik Informatika Fakultas Sains dan Teknologi UIN Sunan Kalijaga Yogyakarta sebagai salah satu syarat untuk memperoleh gelar Sarjana Strata Satu dalam Program Studi Teknik Informatika.

Dengan ini kami mengharap agar skripsi/tugas akhir Saudara tersebut di atas dapat segera dimunaqsyahkan. Atas perhatiannya kami ucapkan terima kasih.

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Menyatakan bahwa skripsi yang berjudul "**Analisis Kemiripan Suara Melalui Handphone untuk Barang Bukti Digital dengan Menggunakan Metode Audio Forensik**" tidak terdapat pada karya yang pernah di ajukan untuk memperoleh gelar sarjana di suatu Perguruan Tinggi, dan sepengetahuan penulis tidak terdapat karya atau pendapat yang pernah ditulis oleh orang lain, kecuali yang secara tertulis diacu dalam naskah ini dan di sebutkan dalam daftar pustaka.

Yogyakarta, 19 November 2018

Yang menyatakan

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iv

KATA PENGANTAR

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Yogyakarta, 19 November 2018

Yang Menyatakan

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HALAMAN MOTTO

لَا تَحْزَنْ إِنَّ اللَّهَ مَعَنَا

“Bila kamu tak mampu menahan perihnya belajar saat ini, maka kamu akan menanggung perihnya kebodohan seumur hidup.**”**

(Imam Syafi’i)

“Meskipun kamu tidak dapat berlari kencang seperti yang lain, tetapi kamu bisa melangkah sedikit demi sedikit untuk meraih impianmu.**”**

(Unknown)

DAFTAR ISI

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DAFTAR GAMBAR

ANALISIS KEMIRIPAN SUARA MELALUI HANDPHONE UNTUK BARANG BUKTI DIGITAL DENGAN MENGGUNAKAN METODE AUDIO FORENSIK

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INTISARI

Audio Forensik merupakan salah satu bagian dari digital forensik, yang pada dasarnya audio forensik lebih berfokus terhadap pemeriksaan barang bukti digital yang berhubungan dengan rekaman suara. Barang bukti digital sering diajukan untuk masalah-masalah persidangan. Barang bukti yang diajukan haruslah barang bukti valid yang sudah jelas kebenarannya dan telah dianalisa oleh ahli yang terkait dengan barang bukti digital.

Metode yang digunakan adalah metode audio forensik yang terdiri dari *Pitch, Formant* dan *Bandwidth, Graphical Distribution* dan *Spectogram*. Untuk menganalisis rekaman suara dapat juga mengikut *Standard Operational Procedure* (SOP) 12 tentang *Analysis Audio Forensic* dari *Digital Forensic Analyst Team* (DFAT).

Hasil dari analisis tersebut nantinya dapat dibandingkan dengan rekaman lainnya atau suara pembanding yang telah dianalisis menggunakan metode audio forensik dan dapat dibuktikan dengan adanya kemiripan apakah rekaman suara barang bukti tersebut berasal dari orang yang sama.

Kata Kunci: Audio Forensik, Digital Forensik, Barang Bukti Digital, *Pitch*, *Formant* dan *bandwidth*, *Graphical Distribution*, *Spectogram*.

ANALYSIS SIMILARITY AUDIO THROUGH MOBILE PHONES FOR DIGITAL EVIDENCE USING THE AUDIO FORENSIC METHOD

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ABSTRACT

Audio forensic is one of the digital forensic parts, basically audio forensic is focusing to examination digital evidence which is related to audio record. Digital evidence often presented to problems in the trial. The submitted evidence must be valid which is already analyzed and proven by the expert is related to digital evidence.

Method used is audio forensic method which consisting of Pitch, Formant and Bandwidth, Graphical Distribution and Spectogram, to analysis audio record can also follow *Standard Operational Procedure* (SOP) 12 about *Analysis Audio Forensic* from *Digital Forensic Analyst Team* (DFAT).

The result of analysis later can be differentiated with the other record or voice comparision that has been using audio forensic method and can be proven by the similarity whether the sound recording of evidence is the same as the comparative sound.

Key words: Audio Forensic, Digital Forensic, Digital Evidence, *Pitch, Formant* and *bandwidth*, *Graphical Distribution*, *Spectogram*.

BAB I

PENDAHULUAN

1.1 Latar Belakang

Perkembangan teknologi saat ini telah memberikan banyak kemudahan dalam pemakaiannya. Setiap proses dalam kehidupan ini tidak terlepas dari peranan teknologi. Banyak hal yang dapat dilakukan dengan teknologi saat ini, seperti cara kita bersosialisasi, berkomunikasi, bertransaksi dan juga yang lainnya. Dalam hal berkomunikasi misalnya, kita tidak terlepas dari yang namanya *handphone*. Terlebih lagi dikalangan anak muda yang kesehariannya selalu berkaitan dengan *gadget* tersebut. Dalam hal ini, *handphone* juga memiliki banyak kegunaan diantaranya memberikan kemudahan dalam melakukan berbagai jenis rekaman, baik itu berupa rekaman biasa ataupun rekaman telepon dan rekaman pribadi lainnya.

Serta internet yang dari dulu hingga saat ini memungkinkan kita dapat berkomunikasi dengan seksama, tidak terbatas oleh jarak dan waktu. Dengan begitu kita dengan mudah mendapatkan informasi dari seseorang atau instansi diseluruh dunia. Sehingga tidak menutup kemungkinan dapat menimbulkan peluang terjadinya tindak kejahatan, baik itu pada dunia maya ataupun dunia nyata. Karena itu, tidaklah heran bila sejumlah kasus yang ditangani oleh pihak hukum saat ini melibatkan rekaman sebagai salah satu barang bukti digital dalam penyidikan.

Karena adanya peningkatan modus operandi kejahatan yang dikatakan berkembang pesat saat ini. Terlebih lagi pada era saat ini, semua kehidupan kebanyakan mengandalkan teknologi dan internet. Adanya barang bukti digital sangat membantu petugas dalam mengungkapkan kasus tindak pidana. Sehingga rekaman suara menjadi salah satu barang bukti digital (*digital evidence*) yang bisa digunakan (Aga dan Bekti, 2016). Berdasarkan Undang-Undang Informasi Transaksi Elektronik (UU ITE) No. 11 tahun 2008 pada Pasal 1 menyatakan bahwa:

"Informasi Elektronik adalah salah satu sekumpulan data elektronik, termasuk tetapi tidak terbatas pada tulisan, suara, gambar, peta, rancangan, foto, *electronic data interchange* (EDI), surat elektronik (*electronic mail*), telegram, teleks, telecopy atau sejenisnya, huruf, tanda, angka, kode akses, simbol, atau perforasi yang telah diolah yang memiliki arti atau dapat dipahami oleh orang yang mampu memahaminya". Salah satu contoh penelitian menggunakan rekaman suara untuk dianalisis lebih lanjut, serta bagaimana tahapan dalam melakukan analisis pada barang bukti rekaman suara (Ahmad Subki, dkk. 2018).

Begitu juga dengan banyaknya modus yang berlatar penyebar berita *hoax* di dunia maya juga dapat dikenakan ujaran kebencian yang telah diatur dalam KUHP dan UU lain di luar KUHP. Dalam hal ini, bicara *hoax* terdapat dua hal yaitu pertama berita bohong harus mempunyai nilai subjek atau objek yang dirugikan. Kedua, melanggar Pasal 28 ayat 2 Undang-Undang No. 11

Tahun 2008 tentang Informasi dan Transaksi Elektronik yang menyatakan bahwa:

"Setiap Orang dengan sengaja dan tanpa hak menyebarkan informasi yang ditujukan untuk menimbulkan rasa kebencian atau permusuhan individu dan/atau kelompok masyarakat tertentu berdasarkan atas suku, agama, ras, dan antargolongan (SARA)".

Salah satu teknik forensika digital adalah *voice recognition* atau pengenalan suara, yaitu teknik untuk mengidentifikasi rekaman suara dengan menganalisa perbedaan yang ada pada rekaman suara. Orang-orang yang biasanya mengaku saat menelpon dapat diketahui dengan pemeriksaan *audio forensic* untuk menyimpulkan suara tersebut dengan menggunakan *voice recognition* yaitu metode komparasi atau membandingkan suara di dalam rekaman barang bukti (*unknown samples*) dengan suara yang direkam sebagai pembanding (*known samples*). Apabila hasilnya sama bahwa suara dari *uknown samples* identik dengan suara *known samples*, maka suara percakapan dalam rekaman barang bukti tersebut dapat disimpulkan berasal dari pemilik suara pembanding dan mempunyai nilai yang kuat dalam sebuah persidangan.

Pembuktian ini dilakukan dengan menggunakan metode komparasi yang dilihat melalui parameter *pitch, formant, graphical distribution* dan *spectrogram* dengan prosedur penanganan barang bukti rekaman suara yang benar, kemudian dilanjutkan dengan pemeriksaan dan analisis procedural. Sehingga dari analisis tersebut diharapkan hasil pemeriksaan *voice recognition*

dapat menunjukkan secara ilmiah kepemilikan suara yang ada dalam rekaman tersebut.

1.2 Rumusan Masalah

Dari beberapa permasalahan yang terdapat diatas, yang diselesaikan dalam penelitian ini adalah

1. Bagaimana penerapan tahapan analisis *voice recognition* secara *procedural* terhadap barang bukti rekaman suara percakapan lewat *handphone*?
2. Bagaimana hasil perbandingan analisis rekaman barang bukti (*unknown samples*) dan rekaman suara pembanding (*known samples*)?
3. Apakah dengan menggunakan analisis *pitch, formant, graphical distribution* dan *spectrogram* dapat digunakan untuk menentukan kemiripan dari rekaman suara percakapan lewat *handphone*?

1.3 Batasan Masalah

Batasan masalah yang dibahas dari sistem ini adalah sebagai berikut :

1. Analisis yang digunakan yaitu analisis *pitch, formant* dan *spectrogram* pada barang bukti rekaman suara pembanding/subjek dan rekaman suara barang bukti.
2. Pada penelitian ini aplikasi yang digunakan dalam melihat hasil grafik rekaman suara adalah *Praat* dan *Gnumeric*.
3. Pada penelitian ini lebih mengacu kepada jenis file audio *.wav dan *.mp3.

4. Jumlah kata yang digunakan adalah 30 kata.
5. Kata yang digunakan dalam penelitian ini adalah “Selamat siang, saya dari kepolisian mengabarkan bahwa anak bapak kecelakaan. Harus dilakukan penanganan yang serius dan biaya secepatnya. Bapak harus mengirimkan uang sejumlah lima puluh juta ke nomor rekening ini.”

1.4 Tujuan Penelitian

Adapun tujuan yang dibahas dari penelitian ini adalah sebagai berikut :

1. Melakukan tahapan analisis *voice recognition* secara *procedural* yang runtut dan sesuai dengan *Standard Operating Procedure* (SOP) 12 tentang analisis Audio Forensik dari *Digital Forensict Analyst Team* (DFAT).
2. Analisis yang dilakukan antara rekaman suara barang bukti (*unknown samples*) dan suara pembanding (*known samples*) lebih dominan kepada analisis statistic *One Way Anova* (*Analysis of Varience*) seperti *pitch, formant* dan *bandwidth* serta analisis *spectogram* yang didasarkan pada pola khas *formant.*
3. Untuk mengetahui hasil dari perbandingan antara rekaman suara barang bukti asli dengan yang palsu (pembanding).

1.5 Manfaat Penelitian

Dengan adanya hasil penelitian ini, diharapkan dapat lebih memberikan kontribusi pada pihak terkait (analisis *audio forensic*) yang dimana dalam mengungkapkan sebuah kasus atau tindak kejahatan dengan menggunakan

bukti fisik yang mengarah terhadap rekaman suara palsu atau yang disamarkan. Sehingga di masa mendatang, dapat mempermudah pihak yang bersangkutan untuk memecahkan kasus tindak kejahatan dan dapat membuktikan secara ilmiah ke pengadilan.

1.6 Sistematika Penulisan

Penyusunan laporan penelitian ini mengkaji beberapa bab pembahasan dalam pengerjaannya. Sistematika penulisan dimulai dari bab 1 sampai bab 5 yaitu:

BAB I Pendahuluan

BAB II Tinjauan Pustaka dan Landasan Teori

BAB III Metode Penelitian

BAB IV Hasil dan Pembahasan

BAB V Kesimpulan dan Saran

BAB V

PENUTUP

5.1 Kesimpulan

Berdasarkan hasil penelitian yang telah dilakukan penulis, maka dapat diambil kesimpulan sebagai berikut:

1. Analisis *pitch*, *formant* dan *bandwidth*, *graphical distribution*, dan *spectrogram* dapat membuktikan keaslian rekaman suara sesuai dengan prosedur yang telah ada yaitu pengakuisisian data yaitu dengan melakukan tahap imaging sehingga barang bukti tetap aman, kemudian proses audio enhancement yaitu proses rekaman suara dalam tahap noise filter atau menghilangkan noise yang ada pada rekaman suara sehingga suara yang ada pada barang bukti rekaman suara dapat membantu dalam tahap analisis dan selanjutnya ada decoding atau ekstrasi informasi *pitch*, *formant* dan *spectrogram* yaitu rekaman suara dipotong dari beberapa kata untuk batas minimal dari kata yang dianalisis adalah 20 kata ini mengacu pada peraturan FBI tentang SOP dalam audio forensik.
2. Adapun prosedur tahapan *voice recognition* yaitu melakukan tahap analisis *pitch* dari rekaman suara yang telah diekstrak setelah itu dilanjutkan dengan analisis *formant* dan *bandwidth* yaitu analisis Anova dan *Likelihood Ratio* kemudian analisis *graphical distribution* dan terakhir adalah analisis *spectrogram*.

3. Berdasarkan hasil dari seluruh rekaman suara barang bukti dan pembanding setelah melakukan berbagai tahap analisis maka rekaman suara yang mendekati kemiripan dengan rekaman suara barang bukti adalah rekaman suara pembanding (tersangka C) yang dinyatakan IDENTIK dan berasal dari orang yang sama tetapi dalam jangka waktu yang berbeda.
4. Tahapan analisis *formant* dan *bandwidth* lebih tinggi kedudukannya dibandingkan analisis *pitch* maupun analisis *graphical distribution* dan *spectogram.*
5. Terdapat minimal 10 kata yang memiliki kesamaan, maka salah satu dari rekaman pembanding tersebut memiliki kemiripan dengan rekaman barang bukti.

5.2 Saran

1. Perlu lebih banyak melakukan pengujian dengan berbagai rekaman suara. Baik itu berkaitan dengan yang telah diubah terlebih dahulu dengan aplikasi (*voice changer*) ataupun suara seseorang yang memiliki kesamaan lalu disamarkan dan memiliki rentan waktu yang berbeda saat perekamannya.
2. Pada penelitian ini lebih menggunakan rekaman suara barang bukti asli sebagai contoh rekaman suara barang bukti, alangkah baiknya jika memperbanyak rekaman suara pembanding dari orang yang berbeda sehingga dapat dengan jelas dilihat perbedaannya.

3. Analisis audio forensik juga bisa digunakan sebagai penelitian lain yang terkait dengan contoh suara untuk membandingkan tingkat kemiripan suara subjek A dengan subjek B.

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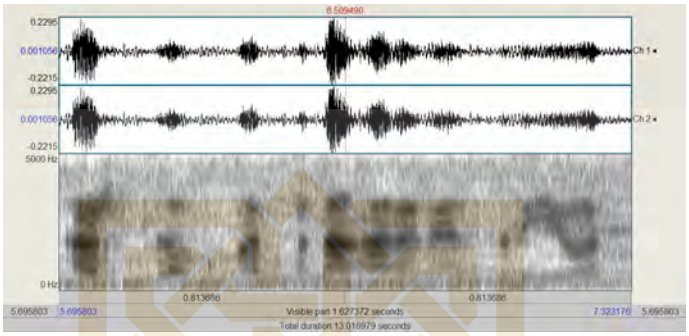
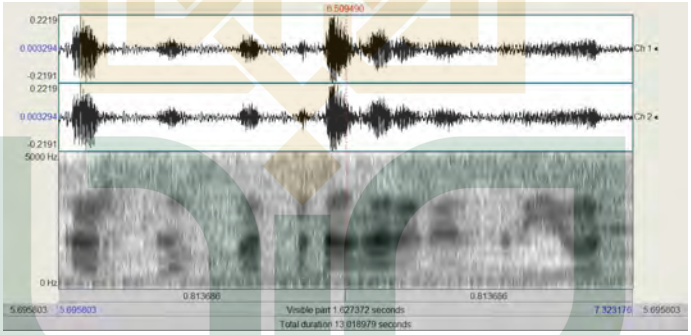
LAMPIRAN

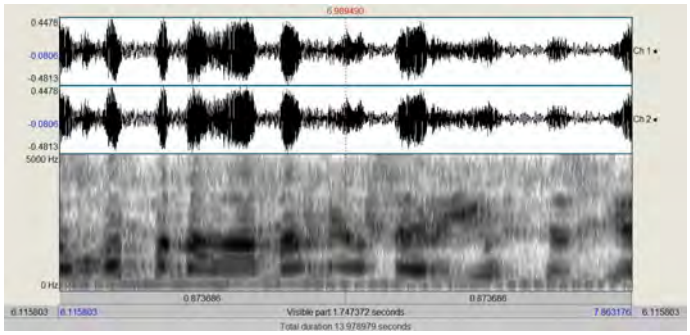
1. Enhancement dan Noise Filter



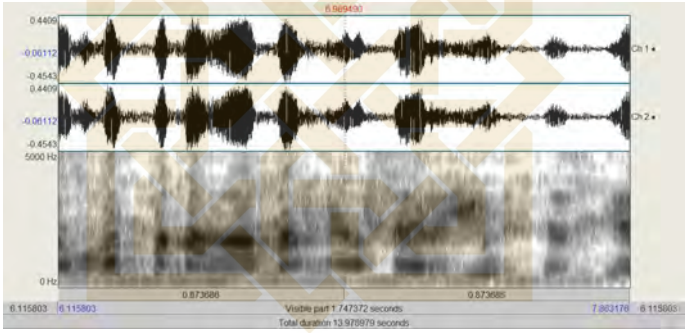
Gambar Lampiran 1.1 Rekaman suara barang bukti sebelum proses enhancement dan noise filter



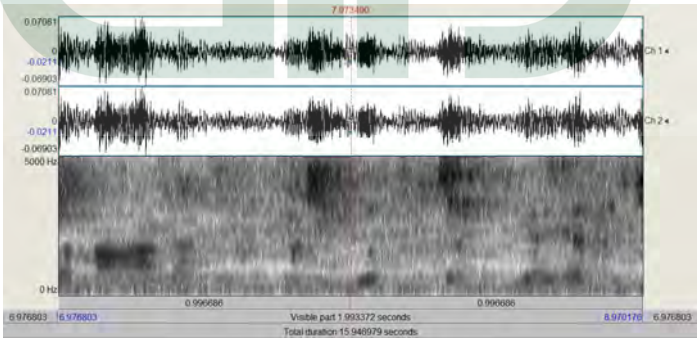
Gambar Lampiran 1.2 Rekaman suara barang bukti sesudah proses enhancement dan noise filter



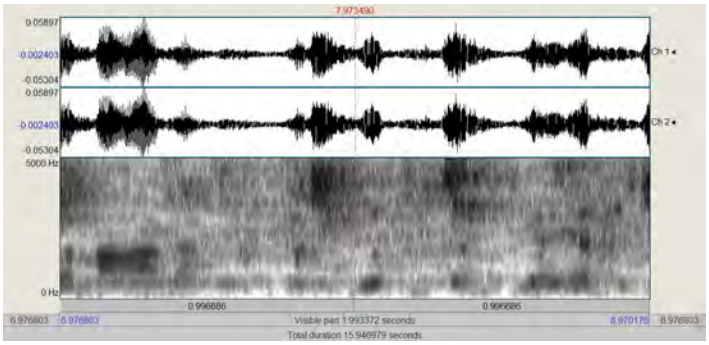
Gambar Lampiran 1.3 Rekaman suara pembanding (tersangka A) sebelum proses enhancement dan noise filter



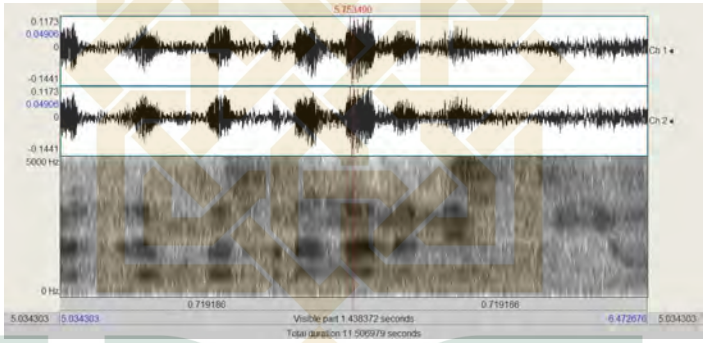
Gambar Lampiran 1.4 Rekaman suara pembanding (tersangka A) sesudah proses enhancement dan noise filter



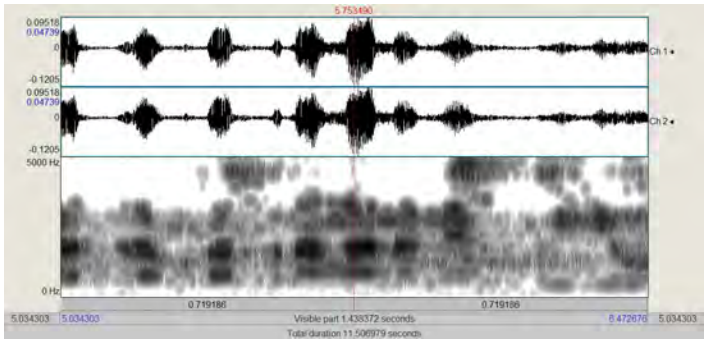
Gambar Lampiran 1.5 Rekaman suara pembanding (tersangka B) sebelum proses enhancement dan noise filter



Gambar Lampiran 1.6 Rekaman suara pembanding (tersangka B) sesudah proses enhancement dan noise filter

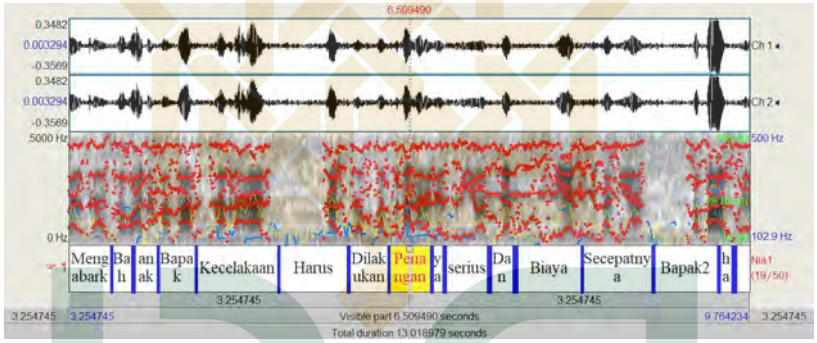


Gambar Lampiran 1.7 Rekaman suara pembanding (tersangka C) sebelum proses enhancement dan noise filter

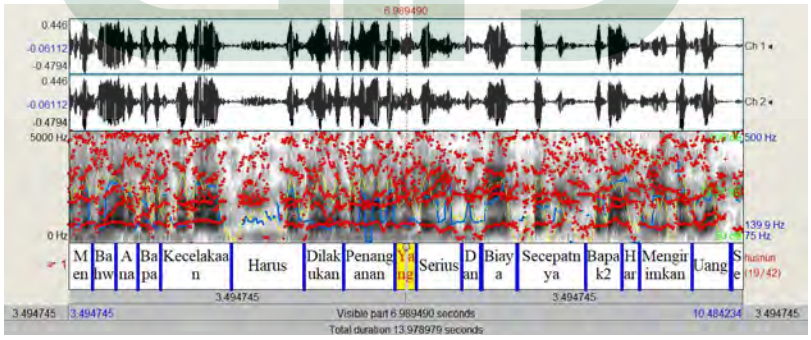


Gambar Lampiran 1.8 Rekaman suara pembanding (tersangka C) sesudah proses enhancement dan noise filter

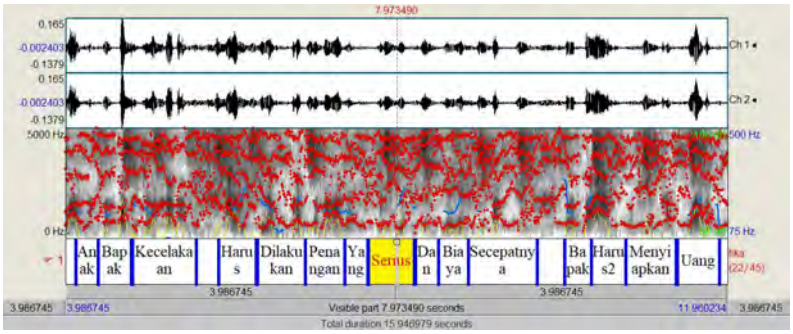
2. Decoding Pitch, Formant dan Spectogram



Gambar Lampiran 2.1 TextGrid teks kata pada rekaman suara barang bukti

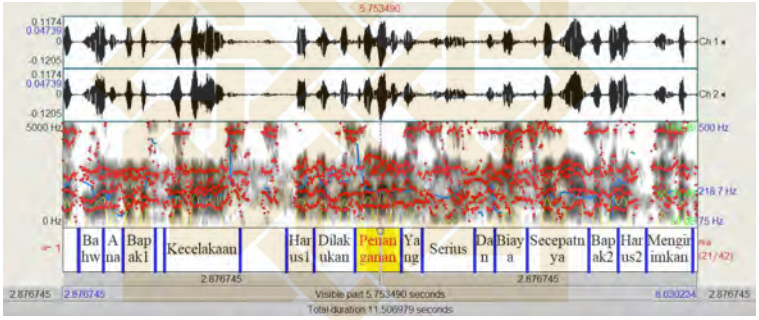


Gambar Lampiran 2.2 TextGrid teks kata pada rekaman suara pembanding (tersangka A)



Gambar Lampiran 2.3 TextGrid teks kata pada rekaman suara pembanding

(tersangka B)



Gambar Lampiran 2.4 TextGrid teks kata pada rekaman suara pembanding

(tersangka C)

3. Analisis statistik *pitch*

Tabel Lampiran 3. 1 Analisis Pitch Rekaman Suara Barang Bukti dengan Suara Pembanding (Tersangka A)

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "selamat"		
Pitch minimum	75.80091664763043 Hz	71.02822443357402 Hz
Pitch maximum	245.6130184936255 Hz	311.3673269699951 Hz
Pitch quantile	124.37028223140511 Hz	155.15467410238946 Hz
Pitch mean	148.7382937695901 Hz	156.99366936737104 Hz

Pitch standard deviasi	68.78079206167813 Hz	61.46835488592936 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "siang"		
Pitch minimum	101.0826040554472 Hz	130.41178847218433 Hz
Pitch maximum	305.1832792979252 Hz	224.81948113599026 Hz
Pitch quantile	204.81907538889575 Hz	207.6042493707286 Hz
Pitch mean	214.69348761982138 Hz	185.19924977440454 Hz
Pitch standard deviasi	57.9259835896979 Hz	32.63842794420035 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "saya"		
Pitch minimum	79.10802703841385 Hz	73.09363448904723 Hz
Pitch maximum	282.3408518343264 Hz	285.01276014883194 Hz
Pitch quantile	108.72869894912584 Hz	83.17146928360054 Hz
Pitch mean	144.4182287466171 Hz	130.67276568454193 Hz
Pitch standard deviasi	67.13719792739644 Hz	64.90484879418104 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "dari"		
Pitch minimum	251.78785183045605 Hz	141.29128613856358 Hz
Pitch maximum	300.50680397409667 Hz	204.59490044462837 Hz
Pitch quantile	269.08886843408914 Hz	149.37713849920996 Hz
Pitch mean	269.84417367050816 Hz	158.42499045153912 Hz
Pitch standard deviasi	15.642439343759243 Hz	16.454632655225588 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "kepolisian"		
Pitch minimum	85.39045295529516 Hz	77.8263736466838 Hz
Pitch maximum	222.81008708616451 Hz	274.1744367084315 Hz
Pitch quantile	111.92954511198002 Hz	202.88449958169386 Hz
Pitch mean	127.29203048670279 Hz	196.6224803710982 Hz
Pitch standard deviasi	35.88541465152631 Hz	49.165352210180394 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "mengabarkan"		
Pitch minimum	103.21777760290782 Hz	138.3096667820336 Hz
Pitch maximum	597.0447967336836 Hz	292.2213243010196 Hz
Pitch quantile	221.23466351863527 Hz	201.57677503464126 Hz
Pitch mean	262.3790232690282 Hz	193.93081485232054 Hz
Pitch standard deviasi	145.4395838221104 Hz	37.232044300324475 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "bahwa"		
Pitch minimum	93.69309049566131 Hz	129.06798923250525 Hz
Pitch maximum	222.88459177238994 Hz	153.406066816541 Hz
Pitch quantile	107.18588237722699 Hz	140.90101576195582 Hz
Pitch mean	155.9976020535816 Hz	140.82949215476853 Hz
Pitch standard deviasi	56.2014711790717 Hz	8.23948441548713 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "anak"		
Pitch minimum	106.07328954788369 Hz	124.69979359941152 Hz
Pitch maximum	220.31583930185988 Hz	290.9572969351689 Hz

Pitch quantile	219.2321784987683 Hz	267.87443872591325 Hz
Pitch mean	186.8989167306639 Hz	255.46768207616302 Hz
Pitch standard deviasi	55.0599869419413 Hz	48.11215976637874 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "bapak"		
Pitch minimum	82.65392142731226 Hz	126.18190877077723 Hz
Pitch maximum	253.24676161213944 Hz	239.385940750585 Hz
Pitch quantile	208.12164255545463 Hz	139.15267531774307 Hz
Pitch mean	188.12621417872322 Hz	172.3288663637278 Hz
Pitch standard deviasi	61.25130688529267 Hz	48.64189736558793 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "kecelakaan"		
Pitch minimum	82.15678412599229 Hz	138.28912058047834 Hz
Pitch maximum	155.8739391091446 Hz	307.8703752550403 Hz
Pitch quantile	101.62541513337314 Hz	170.0804844335199 Hz
Pitch mean	111.58018884766865 Hz	207.36448939722433 Hz
Pitch standard deviasi	19.20938793906839 Hz	69.8805390030972 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "harus"		
Pitch minimum	75.34585882290106 Hz	143.72615681298205 Hz
Pitch maximum	146.94998155011675 Hz	287.60714531023933 Hz
Pitch quantile	118.65609645421213 Hz	167.88153944669298 Hz
Pitch mean	114.95014282205032 Hz	181.95199969071268 Hz
Pitch standard deviasi	18.270965597023668 Hz	37.9237693325034 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "dilakukan"		
Pitch minimum	82.79604614654129 Hz	127.16993632997399 Hz
Pitch maximum	133.51958802652888 Hz	302.1479202167457 Hz
Pitch quantile	120.1956456844975 Hz	155.2977135592792 Hz
Pitch mean	117.74864390730215 Hz	178.39181336445972 Hz
Pitch standard deviasi	11.274410017630107 Hz	54.6950322305375 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "penanganan"		
Pitch minimum	83.0371494888161 Hz	80.07694974605305 Hz
Pitch maximum	113.53613533089296 Hz	283.12917554150533 Hz
Pitch quantile	109.15646843667123 Hz	162.99423180169094 Hz
Pitch mean	107.45440901659624 Hz	188.86475568421943 Hz
Pitch standard deviasi	6.357174283293613 Hz	64.8940607205535 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "yang"		
Pitch minimum	100.00088463714101 Hz	138.68618228716733 Hz
Pitch maximum	113.09285989225924 Hz	170.69601656617144 Hz
Pitch quantile	110.8041731589792 Hz	144.72591496756863 Hz
Pitch mean	109.45635749041855 Hz	149.52782113596652 Hz
Pitch standard deviasi	4.191552646902455 Hz	10.752735765615098 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "dan"		
Pitch minimum	99.72187338775963 Hz	152.85120855697656 Hz
Pitch maximum	247.05699034797235 Hz	242.47311077186913 Hz

Pitch quantile	237.2161687673244 Hz	167.45146781939866 Hz
Pitch mean	223.83656694433606 Hz	177.84971960963867 Hz
Pitch standard deviasi	46.82131367459565 Hz	29.01428807336356 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "biaya"		
Pitch minimum	76.33381477818072 Hz	103.21845599302662 Hz
Pitch maximum	229.0221850505755 Hz	313.5010116341345 Hz
Pitch quantile	171.04600598406063 Hz	235.04395734736178 Hz
Pitch mean	148.62157612906663 Hz	232.2735191987773 Hz
Pitch standard deviasi	58.995946574544135 Hz	58.41616689061446 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "secepatnya"		
Pitch minimum	99.57709133158213 Hz	157.79415060267422 Hz
Pitch maximum	200.8736660155219 Hz	234.87270502950406 Hz
Pitch quantile	162.4341268311712 Hz	195.56273251546924 Hz
Pitch mean	160.8119583220987 Hz	193.80357508458974 Hz
Pitch standard deviasi	36.41750114579306 Hz	21.97840940968067 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "bapak"		
Pitch minimum	78.05099364282077 Hz	155.99461792142327 Hz
Pitch maximum	279.3975597341948 Hz	309.20990048445066 Hz
Pitch quantile	228.9231381419399 Hz	242.83650834656044 Hz
Pitch mean	200.92631055127654 Hz	248.85371418895426 Hz
Pitch standard deviasi	69.54544229388947 Hz	54.80353939095455 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "harus"		
Pitch minimum	132.31662692251706 Hz	74.99420720334295 Hz
Pitch maximum	304.71815510061515 Hz	323.7487163787813 Hz
Pitch quantile	297.88206702422724 Hz	192.94146749313666 Hz
Pitch mean	237.26560620899636 Hz	196.32061361943508 Hz
Pitch standard deviasi	88.34201337410568 Hz	126.83252000288401 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "mengirimkan"		
Pitch minimum	221.314314930561 Hz	111.2545506034309 Hz
Pitch maximum	243.68748904743782 Hz	384.9977303511272 Hz
Pitch quantile	231.53530078824576 Hz	250.40882619194784 Hz
Pitch mean	230.58120704014138 Hz	236.76342308030777 Hz
Pitch standard deviasi	6.704662666231811 Hz	70.1458655936238 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "uang"		
Pitch minimum	223.29195740248826 Hz	223.716893671323 Hz
Pitch maximum	276.1255974727275 Hz	259.7391747228727 Hz
Pitch quantile	233.68806572568695 Hz	241.40539235891984 Hz
Pitch mean	242.43231784342356 Hz	240.98435968037097 Hz
Pitch standard deviasi	18.802059143201717 Hz	8.762806504065535 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "sejumlah"		
Pitch minimum	79.97746415866098 Hz	210.88856220161597 Hz
Pitch maximum	258.47526051732586 Hz	576.7821642394224 Hz

Pitch quantile	137.12475791004806 Hz	252.98259854886487 Hz
Pitch mean	167.77297627287425 Hz	297.7887197225017 Hz
Pitch standard deviasi	76.23871992194754 Hz	114.25311522041322 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "lima"		
Pitch minimum	74.52057175784792 Hz	232.55668989022908 Hz
Pitch maximum	120.372190257595 Hz	295.2469566672873 Hz
Pitch quantile	98.67064805588422 Hz	258.1693747838279 Hz
Pitch mean	98.66295617950675 Hz	262.6792210875321 Hz
Pitch standard deviasi	17.325592036758902 Hz	22.07712191541057 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "puluh"		
Pitch minimum	91.1995004915316 Hz	246.2467076193322 Hz
Pitch maximum	151.27686429495597 Hz	278.7130776238666 Hz
Pitch quantile	101.31157062308114 Hz	255.07807039431418 Hz
Pitch mean	110.46707615843009 Hz	259.25224211330726 Hz
Pitch standard deviasi	18.595647943133002 Hz	10.020175688059346 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "juta"		
Pitch minimum	77.58540294520961 Hz	229.002009726759 Hz
Pitch maximum	243.42274875254594 Hz	595.9982236099529 Hz
Pitch quantile	224.5026988177565 Hz	260.48816741707486 Hz
Pitch mean	172.95898925153614 Hz	309.7987170105714 Hz
Pitch standard deviasi	68.87048700727304 Hz	132.14659237565544 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "ke"		
Pitch minimum	126.2763765341358 Hz	248.6761131214434 Hz
Pitch maximum	136.5262732161437 Hz	567.1110701788551 Hz
Pitch quantile	126.63522064800677 Hz	259.07144978433337 Hz
Pitch mean	128.2262583062802 Hz	375.31396500942935 Hz
Pitch standard deviasi	4.07011106150859 Hz	154.41280073945887 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "nomor"		
Pitch minimum	98.77957796989146 Hz	217.08679928106767 Hz
Pitch maximum	113.45219479510513 Hz	244.79925532353775 Hz
Pitch quantile	109.82895207293123 Hz	225.59270359103795 Hz
Pitch mean	108.71347729083568 Hz	229.61324844806992 Hz
Pitch standard deviasi	3.9858402610073664 Hz	9.269506697581763 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "rekening"		
Pitch minimum	76.646614017661 Hz	235.88490382645338 Hz
Pitch maximum	595.9274410301573 Hz	266.94242437218946 Hz
Pitch quantile	105.13770410202444 Hz	259.6465018755916 Hz
Pitch mean	252.98895741404797 Hz	254.0281782937761 Hz
Pitch standard deviasi	216.8164108665172 Hz	9.739466374911398 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka A)
Kata "ini"		
Pitch minimum	99.72187338775963 Hz	194.8926094245408 Hz
Pitch maximum	247.05699034797235 Hz	273.9501737753084 Hz

Pitch quantile	237.2161687673244 Hz	252.129564937278 Hz
Pitch mean	223.83656694433606 Hz	243.00338565760657 Hz
Pitch standard deviasi	46.82131367459565 Hz	24.512521187041333 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "selamat"		
Pitch minimum	75.80091664763043 Hz	97.09973986097818 Hz
Pitch maximum	245.6130184936255 Hz	560.5752010242557 Hz
Pitch quantile	124.37028223140511 Hz	197.08806275607577 Hz
Pitch mean	148.7382937695901 Hz	215.25690028873598 Hz
Pitch standard deviasi	68.78079206167813 Hz	93.99889263153305 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "siang"		
Pitch minimum	101.0826040554472 Hz	190.59439419630237 Hz
Pitch maximum	305.1832792979252 Hz	596.243398655495 Hz
Pitch quantile	204.81907538889575 Hz	211.80058208062587 Hz
Pitch mean	214.69348761982138 Hz	279.2456675893981 Hz
Pitch standard deviasi	57.9259835896979 Hz	141.46423664356507 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "saya"		
Pitch minimum	79.10802703841385 Hz	199.91170601678837 Hz
Pitch maximum	282.3408518343264 Hz	283.6275743317595 Hz
Pitch quantile	108.72869894912584 Hz	242.74363824692418 Hz
Pitch mean	144.4182287466171 Hz	247.0526474767477 Hz
Pitch standard deviasi	67.13719792739644 Hz	25.85065050199033 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "dari"		
Pitch minimum	251.78785183045605 Hz	210.58201298455148 Hz
Pitch maximum	300.50680397409667 Hz	263.26617284850175 Hz
Pitch quantile	269.08886843408914 Hz	236.66831399760494 Hz
Pitch mean	269.84417367050816 Hz	239.55187851904915 Hz
Pitch standard deviasi	15.642439343759243 Hz	14.937662179863096 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "mengabarkan"		
Pitch minimum	103.21777760290782 Hz	127.69052844539024 Hz
Pitch maximum	597.0447967336836 Hz	568.6469282390916 Hz
Pitch quantile	221.23466351863527 Hz	189.80751563270675 Hz
Pitch mean	262.3790232690282 Hz	204.20456059421997 Hz
Pitch standard deviasi	145.4395838221104 Hz	78.22916056582932 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "bahwa"		
Pitch minimum	93.69309049566131 Hz	188.55865217140763 Hz
Pitch maximum	222.88459177238994 Hz	586.1462329361781 Hz
Pitch quantile	107.18588237722699 Hz	491.249022683257 Hz
Pitch mean	155.9976020535816 Hz	372.09490629546696 Hz
Pitch standard deviasi	56.2014711790717 Hz	175.6941495932463 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "anak"		
Pitch minimum	106.07328954788369 Hz	168.26133617443884 Hz
Pitch maximum	220.31583930185988 Hz	316.3408550103021 Hz
Pitch quantile	219.2321784987683 Hz	177.48527559934786 Hz

Pitch mean	186.8989167306639 Hz	208.6763499351764 Hz
Pitch standard deviasi	55.0599869419413 Hz	56.46171539814475 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "bapak"		
Pitch minimum	82.65392142731226 Hz	163.19613524579339 Hz
Pitch maximum	253.24676161213944 Hz	215.89986106813126 Hz
Pitch quantile	208.12164255545463 Hz	166.81234398423248 Hz
Pitch mean	188.12621417872322 Hz	180.4112968506319 Hz
Pitch standard deviasi	61.25130688529267 Hz	20.702413357012833 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "kecelakaan"		
Pitch minimum	82.15678412599229 Hz	76.08122391729268 Hz
Pitch maximum	155.8739391091446 Hz	214.6513306002999 Hz
Pitch quantile	101.62541513337314 Hz	174.29723816037722 Hz
Pitch mean	111.58018884766865 Hz	160.98468417683424 Hz
Pitch standard deviasi	19.20938793906839 Hz	45.65469027475913 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "harus"		
Pitch minimum	75.34585882290106 Hz	185.11938479017977 Hz
Pitch maximum	146.94998155011675 Hz	516.3094920226591 Hz
Pitch quantile	118.65609645421213 Hz	195.1261033350155 Hz
Pitch mean	114.95014282205032 Hz	319.7536164949421 Hz
Pitch standard deviasi	18.270965597023668 Hz	156.99274898614487 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "dilakukan"		
Pitch minimum	82.79604614654129 Hz	99.1911383123183 Hz
Pitch maximum	133.51958802652888 Hz	231.38928721315767 Hz
Pitch quantile	120.1956456844975 Hz	187.56562696321754 Hz
Pitch mean	117.74864390730215 Hz	168.6774182327706 Hz
Pitch standard deviasi	11.274410017630107 Hz	48.335330218917505 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "penanganan"		
Pitch minimum	83.0371494888161 Hz	173.4300226081382 Hz
Pitch maximum	113.53613533089296 Hz	199.28567971790534 Hz
Pitch quantile	109.15646843667123 Hz	178.13799914767998 Hz
Pitch mean	107.45440901659624 Hz	181.19277419197007 Hz
Pitch standard deviasi	6.357174283293613 Hz	7.832846841275171 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "yang"		
Pitch minimum	100.00088463714101 Hz	171.26642991573576 Hz
Pitch maximum	113.09285989225924 Hz	569.8747330795163 Hz
Pitch quantile	110.8041731589792 Hz	503.1903474882761 Hz
Pitch mean	109.45635749041855 Hz	412.0800306919323 Hz
Pitch standard deviasi	4.191552646902455 Hz	174.57676724380855 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "serius"		
Pitch minimum	93.98370375490438 Hz	382.0323704341333 Hz
Pitch maximum	191.71304808431242 Hz	572.4496308198778 Hz

Pitch quantile	100.22538131129917 Hz	506.7833344719945 Hz
Pitch mean	119.328001329117 Hz	493.57785113128506 Hz
Pitch standard deviasi	37.140257259673525 Hz	65.53993295560842 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "dan"		
Pitch minimum	99.72187338775963 Hz	undefined Hz
Pitch maximum	247.05699034797235 Hz	undefined Hz
Pitch quantile	237.2161687673244 Hz	undefined Hz
Pitch mean	223.83656694433606 Hz	undefined Hz
Pitch standard deviasi	46.82131367459565 Hz	undefined Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "biaya"		
Pitch minimum	76.33381477818072 Hz	168.70331267806193 Hz
Pitch maximum	229.0221850505755 Hz	249.3870275971365 Hz
Pitch quantile	171.04600598406063 Hz	179.16459003082605 Hz
Pitch mean	148.62157612906663 Hz	191.66502183754884 Hz
Pitch standard deviasi	58.995946574544135 Hz	25.418730475344574 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "secepatnya"		
Pitch minimum	99.57709133158213 Hz	161.88402830979143 Hz
Pitch maximum	200.8736660155219 Hz	592.9895111177921 Hz
Pitch quantile	162.4341268311712 Hz	504.31340485822557 Hz
Pitch mean	160.8119583220987 Hz	445.8799079821176 Hz
Pitch standard deviasi	36.41750114579306 Hz	155.9498011450439 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "bapak"		
Pitch minimum	82.65392142731226 Hz	163.19613524579339 Hz
Pitch maximum	253.24676161213944 Hz	215.89986106813126 Hz
Pitch quantile	208.12164255545463 Hz	166.81234398423248 Hz
Pitch mean	188.12621417872322 Hz	180.4112968506319 Hz
Pitch standard deviasi	61.25130688529267 Hz	20.702413357012833 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "harus"		
Pitch minimum	132.31662692251706 Hz	570.0857307102123 Hz
Pitch maximum	304.71815510061515 Hz	576.1087789991943 Hz
Pitch quantile	297.88206702422724 Hz	574.9932404884016 Hz
Pitch mean	237.26560620899636 Hz	573.5663832103932 Hz
Pitch standard deviasi	88.34201337410568 Hz	3.0305889141749334 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "mengirimkan"		
Pitch minimum	221.314314930561 Hz	119.30204617069 16 Hz
Pitch maximum	243.68748904743782 Hz	499.60397464260814 Hz
Pitch quantile	231.53530078824576 Hz	122.83727404771082 Hz
Pitch mean	230.58120704014138 Hz	168.91228939328624 Hz
Pitch standard deviasi	6.704662666231811 Hz	114.19898488225812 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "uang"		
Pitch minimum	223.29195740248826 Hz	164.80721159075614 Hz
Pitch maximum	276.1255974727275 Hz	572.9913117475888 Hz

Pitch quantile	233.68806572568695 Hz	193.40903236479136 Hz
Pitch mean	242.43231784342356 Hz	238.9954471818636 Hz
Pitch standard deviasi	18.802059143201717 Hz	130.270894791916 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "sejumlah"		
Pitch minimum	79.97746415866098 Hz	103.90059228497527 Hz
Pitch maximum	258.47526051732586 Hz	203.53471747783303 Hz
Pitch quantile	137.12475791004806 Hz	131.90943559966692 Hz
Pitch mean	167.77297627287425 Hz	148.35111823864477 Hz
Pitch standard deviasi	76.23871992194754 Hz	37.31912318855088 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "lima"		
Pitch minimum	74.52057175784792 Hz	166.03049755529344 Hz
Pitch maximum	120.372190257595 Hz	579.2469008560155 Hz
Pitch quantile	98.67064805588422 Hz	197.06336387647764 Hz
Pitch mean	98.66295617950675 Hz	290.4698359772775 Hz
Pitch standard deviasi	17.325592036758902 Hz	132.16115805505154 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "puluh"		
Pitch minimum	91.1995004915316 Hz	195.7673880485324 Hz
Pitch maximum	151.27686429495597 Hz	590.9860968813953 Hz
Pitch quantile	101.31157062308114 Hz	511.9801032852337 Hz
Pitch mean	110.46707615843009 Hz	399.0478144833807 Hz
Pitch standard deviasi	18.595647943133002 Hz	186.26616863389407 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "juta"		
Pitch minimum	77.58540294520961 Hz	193.79460209548475 Hz
Pitch maximum	243.42274875254594 Hz	246.08068602134296 Hz
Pitch quantile	224.5026988177565 Hz	210.11616505160367 Hz
Pitch mean	172.95898925153614 Hz	215.8649492228529 Hz
Pitch standard deviasi	68.87048700727304 Hz	19.985748966136935 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "ke"		
Pitch minimum	126.2763765341358 Hz	518.4592715451619 Hz
Pitch maximum	136.5262732161437 Hz	585.0467276413374 Hz
Pitch quantile	126.63522064800677 Hz	540.0936160514511 Hz
Pitch mean	128.2262583062802 Hz	550.1975037960757 Hz
Pitch standard deviasi	4.07011106150859 Hz	24.999228774994958 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "nomor"		
Pitch minimum	98.77957796989146 Hz	168.15419848829535 Hz
Pitch maximum	113.45219479510513 Hz	207.02224177974782 Hz
Pitch quantile	109.82895207293123 Hz	175.0531677426697 Hz
Pitch mean	108.71347729083568 Hz	181.89158431096936 Hz
Pitch standard deviasi	3.9858402610073664 Hz	14.268347365111746 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "rekening"		
Pitch minimum	76.646614017661 Hz	164.9970145567792 Hz
Pitch maximum	595.9274410301573 Hz	496.74351659749505 Hz

Pitch quantile	105.13770410202444 Hz	264.4358917373959 Hz
Pitch mean	252.98895741404797 Hz	324.5691240017772 Hz
Pitch standard deviasi	216.8164108665172 Hz	141.77522006156082 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka B)
Kata "ini"		
Pitch minimum	99.72187338775963 Hz	131.4235042905115 Hz
Pitch maximum	247.05699034797235 Hz	536.1502526955887 Hz
Pitch quantile	237.2161687673244 Hz	517.9265805586236 Hz
Pitch mean	223.83656694433606 Hz	359.99248225637535 Hz
Pitch standard deviasi	46.82131367459565 Hz	189.96051978781398 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "selamat"		
Pitch minimum	75.80091664763043 Hz	159.04116243756977 Hz
Pitch maximum	245.6130184936255 Hz	259.52406490234745 Hz
Pitch quantile	124.37028223140511 Hz	238.21531544137636 Hz
Pitch mean	148.7382937695901 Hz	234.13103022483904 Hz
Pitch standard deviasi	68.78079206167813 Hz	23.553911327137964 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "siang"		
Pitch minimum	101.0826040554472 Hz	190.99361597692283 Hz
Pitch maximum	305.1832792979252 Hz	247.19012988935512 Hz
Pitch quantile	204.81907538889575 Hz	215.77135929426726 Hz
Pitch mean	214.69348761982138 Hz	215.7405346952637 Hz
Pitch standard deviasi	57.9259835896979 Hz	20.53436233589812 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "saya"		
Pitch minimum	79.10802703841385 Hz	228.30893616189618 Hz
Pitch maximum	282.3408518343264 Hz	291.9654801914587 Hz
Pitch quantile	108.72869894912584 Hz	266.4653357996681 Hz
Pitch mean	144.4182287466171 Hz	266.15494692766396 Hz
Pitch standard deviasi	67.13719792739644 Hz	18.172968390622668 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "dari"		
Pitch minimum	251.78785183045605 Hz	295.967878599281 Hz
Pitch maximum	300.50680397409667 Hz	492.445125050801 Hz
Pitch quantile	269.08886843408914 Hz	299.59831323880337 Hz
Pitch mean	269.84417367050816 Hz	314.72122041605013 Hz
Pitch standard deviasi	15.642439343759243 Hz	53.47367870989126 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "kepolisian"		
Pitch minimum	85.39045295529516 Hz	200.036790122431 Hz
Pitch maximum	222.81008708616451 Hz	590.0381203687176 Hz
Pitch quantile	111.92954511198002 Hz	234.7575546566465 Hz
Pitch mean	127.29203048670279 Hz	243.27599908095647 Hz
Pitch standard deviasi	35.88541465152631 Hz	74.06918368938214 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "mengabarkan"		
Pitch minimum	103.21777760290782 Hz	188.69601036302694 Hz
Pitch maximum	597.0447967336836 Hz	582.0436395542783 Hz

Pitch quantile	221.23466351863527 Hz	246.7609673623209 Hz
Pitch mean	262.3790232690282 Hz	300.8646947091998 Hz
Pitch standard deviasi	145.4395838221104 Hz	136.27680102189157 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "bahwa"		
Pitch minimum	93.69309049566131 Hz	84.09044773180405 Hz
Pitch maximum	222.88459177238994 Hz	258.62844871753066 Hz
Pitch quantile	107.18588237722699 Hz	241.6840200589726 Hz
Pitch mean	155.9976020535816 Hz	199.99491932647507 Hz
Pitch standard deviasi	56.2014711790717 Hz	69.38825457732938 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "anak"		
Pitch minimum	106.07328954788369 Hz	122.46979217162769 Hz
Pitch maximum	220.31583930185988 Hz	221.64561070462062 Hz
Pitch quantile	219.2321784987683 Hz	214.51753290776682 Hz
Pitch mean	186.8989167306639 Hz	184.98555565837347 Hz
Pitch standard deviasi	55.0599869419413 Hz	42.908483108066314 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "bapak"		
Pitch minimum	82.65392142731226 Hz	199.23688225201127 Hz
Pitch maximum	253.24676161213944 Hz	438.91079499435466 Hz
Pitch quantile	208.12164255545463 Hz	238.75620847221325 Hz
Pitch mean	188.12621417872322 Hz	267.229751478777 Hz
Pitch standard deviasi	61.25130688529267 Hz	73.5034371784921 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "kecelakaan"		
Pitch minimum	82.15678412599229 Hz	171.8389350229166 Hz
Pitch maximum	155.8739391091446 Hz	555.2713810842549 Hz
Pitch quantile	101.62541513337314 Hz	204.69930424972227 Hz
Pitch mean	111.58018884766865 Hz	252.1120679198454 Hz
Pitch standard deviasi	19.20938793906839 Hz	128.15229029567195 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "harus"		
Pitch minimum	75.34585882290106 Hz	232.15109331057164 Hz
Pitch maximum	146.94998155011675 Hz	285.7866150198227 Hz
Pitch quantile	118.65609645421213 Hz	247.82145813781818 Hz
Pitch mean	114.95014282205032 Hz	253.83851695358544 Hz
Pitch standard deviasi	18.270965597023668 Hz	20.233812139056788 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "dilakukan"		
Pitch minimum	82.79604614654129 Hz	243.70455011985695 Hz
Pitch maximum	133.51958802652888 Hz	316.9975224186149 Hz
Pitch quantile	120.1956456844975 Hz	262.83385345339116 Hz
Pitch mean	117.74864390730215 Hz	272.5752585692542 Hz
Pitch standard deviasi	11.274410017630107 Hz	21.075998486269768 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "penanganan"		
Pitch minimum	83.0371494888161 Hz	217.59159200450677 Hz
Pitch maximum	113.53613533089296 Hz	408.1412627030211 Hz
Pitch quantile	109.15646843667123 Hz	224.99933457063986 Hz

Pitch mean	107.45440901659624 Hz	240.46113918160017 Hz
Pitch standard deviasi	6.357174283293613 Hz	39.91957659032934 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "yang"		
Pitch minimum	100.00088463714101 Hz	219.61467265079543 Hz
Pitch maximum	113.09285989225924 Hz	597.5140236483711 Hz
Pitch quantile	110.8041731589792 Hz	224.1885050196217 Hz
Pitch mean	109.45635749041855 Hz	315.1488541508357 Hz
Pitch standard deviasi	4.191552646902455 Hz	167.53279301870342 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "serius"		
Pitch minimum	93.98370375490438 Hz	135.52980595376533 Hz
Pitch maximum	191.71304808431242 Hz	424.36736103094034 Hz
Pitch quantile	100.22538131129917 Hz	204.2767277443831 Hz
Pitch mean	119.328001329117 Hz	229.04453323696117 Hz
Pitch standard deviasi	37.140257259673525 Hz	63.64044757627859 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "dan"		
Pitch minimum	99.72187338775963 Hz	121.05529243228914 Hz
Pitch maximum	247.05699034797235 Hz	248.05911337599102 Hz
Pitch quantile	237.2161687673244 Hz	136.26015222471565 Hz
Pitch mean	223.83656694433606 Hz	175.64048182433132 Hz
Pitch standard deviasi	46.82131367459565 Hz	53.87822072643784 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "biaya"		
Pitch minimum	76.33381477818072 Hz	135.79079255548424 Hz
Pitch maximum	229.0221850505755 Hz	286.5837754177638 Hz
Pitch quantile	171.04600598406063 Hz	237.34551275125014 Hz
Pitch mean	148.62157612906663 Hz	230.08519617688324 Hz
Pitch standard deviasi	58.995946574544135 Hz	52.00861759170869 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "secepatnya"		
Pitch minimum	99.57709133158213 Hz	160.72089057087055 Hz
Pitch maximum	200.8736660155219 Hz	217.9419809267572 Hz
Pitch quantile	162.4341268311712 Hz	200.9700443810397 Hz
Pitch mean	160.8119583220987 Hz	201.05067813699566 Hz
Pitch standard deviasi	36.41750114579306 Hz	14.177670035825201 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "bapak"		
Pitch minimum	78.05099364282077 Hz	120.08187608420137 Hz
Pitch maximum	279.3975597341948 Hz	439.9922310889284 Hz
Pitch quantile	228.9231381419399 Hz	202.18641592105052 Hz
Pitch mean	200.92631055127654 Hz	209.26803186153694 Hz
Pitch standard deviasi	69.54544229388947 Hz	97.45639678728796 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "harus"		
Pitch minimum	132.31662692251706 Hz	253.06485756641308 Hz
Pitch maximum	304.71815510061515 Hz	377.1121703542946 Hz

Pitch quantile	297.88206702422724 Hz	259.7594058616294 Hz
Pitch mean	237.26560620899636 Hz	289.5355779615222 Hz
Pitch standard deviasi	88.34201337410568 Hz	54.2347568897833 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "mengirimkan"		
Pitch minimum	221.314314930561 Hz	217.19196961242253 Hz
Pitch maximum	243.68748904743782 Hz	493.43108389991653 Hz
Pitch quantile	231.53530078824576 Hz	225.5884610045294 Hz
Pitch mean	230.58120704014138 Hz	254.67803534556856 Hz
Pitch standard deviasi	6.704662666231811 Hz	85.95324367248264 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "uang"		
Pitch minimum	223.29195740248826 Hz	135.69134203432696 Hz
Pitch maximum	276.1255974727275 Hz	248.35791509636485 Hz
Pitch quantile	233.68806572568695 Hz	227.46000300876352 Hz
Pitch mean	242.43231784342356 Hz	218.21071324656532 Hz
Pitch standard deviasi	18.802059143201717 Hz	34.26087924948281 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "sejumlah"		
Pitch minimum	79.97746415866098 Hz	208.8956202122876 Hz
Pitch maximum	258.47526051732586 Hz	262.28057407127494 Hz
Pitch quantile	137.12475791004806 Hz	242.59981861046367 Hz
Pitch mean	167.77297627287425 Hz	235.94163092583068 Hz
Pitch standard deviasi	76.23871992194754 Hz	19.455768210091172 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "lima"		
Pitch minimum	74.52057175784792 Hz	110.23104859205766 Hz
Pitch maximum	120.372190257595 Hz	241.39524595955436 Hz
Pitch quantile	98.67064805588422 Hz	185.06829583897803 Hz
Pitch mean	98.66295617950675 Hz	186.42414634978675 Hz
Pitch standard deviasi	17.325592036758902 Hz	47.49784934314905 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "puluh"		
Pitch minimum	91.1995004915316 Hz	200.75638866867 Hz
Pitch maximum	151.27686429495597 Hz	461.18174173620866 Hz
Pitch quantile	101.31157062308114 Hz	232.26673716172257 Hz
Pitch mean	110.46707615843009 Hz	282.4858405475075 Hz
Pitch standard deviasi	18.595647943133002 Hz	99.59329018029102 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "juta"		
Pitch minimum	77.58540294520961 Hz	202.4420392363262 Hz
Pitch maximum	243.42274875254594 Hz	260.65688777733595 Hz
Pitch quantile	224.5026988177565 Hz	237.6738392696875 Hz
Pitch mean	172.95898925153614 Hz	235.88076357523087 Hz
Pitch standard deviasi	68.87048700727304 Hz	21.059700147526055 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "ke"		
Pitch minimum	126.2763765341358 Hz	261.5784047164634 Hz
Pitch maximum	136.5262732161437 Hz	266.3157664334509 Hz

Pitch quantile	126.63522064800677 Hz	264.67574199351776 Hz
Pitch mean	128.2262583062802 Hz	264.4174490294241 Hz
Pitch standard deviasi	4.07011106150859 Hz	1.7632202747627899 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "nomor"		
Pitch minimum	98.77957796989146 Hz	219.0878843556626 Hz
Pitch maximum	113.45219479510513 Hz	275.45916572670455 Hz
Pitch quantile	109.82895207293123 Hz	237.19785405880552 Hz
Pitch mean	108.71347729083568 Hz	247.07740393183602 Hz
Pitch standard deviasi	3.9858402610073664 Hz	18.52864984293975 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "rekening"		
Pitch minimum	76.646614017661 Hz	150.06184705883317 Hz
Pitch maximum	595.9274410301573 Hz	566.9474672214791 Hz
Pitch quantile	105.13770410202444 Hz	514.3501616693759 Hz
Pitch mean	252.98895741404797 Hz	417.56277368558153 Hz
Pitch standard deviasi	216.8164108665172 Hz	149.33878914767337 Hz

Analisis Statistik	Suara Barang Bukti	Pembanding (Tersangka C)
Kata "ini"		
Pitch minimum	99.72187338775963 Hz	181.07979392205755 Hz
Pitch maximum	247.05699034797235 Hz	602.578990861321 Hz
Pitch quantile	237.2161687673244 Hz	405.05381864118624 Hz
Pitch mean	223.83656694433606 Hz	384.8417581656833 Hz
Pitch standard deviasi	46.82131367459565 Hz	140.20039233365716 Hz

4. Analisis statistic *formant* dan *bandwidth*:

a. Analisis statistic Anova

Tabel Lampiran 4. 1 Rekaman Suara Barang Bukti dengan Suara Pembanding (tersangka A)

Jenis *Formant* "selamat"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	26.58791768	5.18E-07	3.87953757	*Rejected*
Formant 2	0.790526486	0.374809572	3.87953757	*Rejected*
Formant 3	3.52049881	0.061798175	3.87953757	*Rejected*
Formant 4	3.837576326	0.051273851	3.88049669	*Rejected*
Formant 5	70.91504195	1.08E-13	3.92217269	*Rejected*
Bandwidth 1	1.160831633	0.282348535	3.87953757	*Rejected*
Bandwidth 2	4.381319244	0.037359333	3.87953757	*Rejected*
Bandwidth 3	3.924382588	0.048704345	3.87953757	*Rejected*
Bandwidth 4	22.76939074	3.17E-06	3.88049669	*Rejected*
Bandwidth 5	20.19485879	1.65E-05	3.92217269	*Rejected*

Jenis *Formant* "siang"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	16.18852354	9.67E-05	3.91398903	*Rejected*
Formant 2	2.885306992	0.091783058	3.91398903	*Rejected*
Formant 3	1.019349115	0.314548957	3.91398903	*Rejected*
Formant 4	2.660483212	0.105289801	3.91398903	*Rejected*
Formant 5	70.12806776	4.27E-13	3.93912613	*Rejected*
Bandwidth 1	4.284754602	0.040435475	3.91398903	*Rejected*
Bandwidth 2	0.007301559	0.932035772	3.91398903	*Accepted*
Bandwidth 3	6.91049769	0.00960163	3.91398903	*Rejected*
Bandwidth 4	8.084549236	0.00518669	3.91398903	*Rejected*
Bandwidth 5	0.06419185	0.80052539	3.93912613	*Accepted*

Jenis *Formant* "saya"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.024880433	0.874889441	3.9077817	*Accepted*
Formant 2	19.68033454	1.82E-05	3.9077817	*Rejected*
Formant 3	24.0329667	2.55E-06	3.9077817	*Rejected*
Formant 4	3.827978357	0.052452593	3.91074662	*Rejected*

Formant 5	19.16265057	3.44E-05	3.95456841	*Rejected*
Bandwidth 1	1.411592243	0.236775618	3.9077817	*Rejected*
Bandwidth 2	4.268233891	0.040648734	3.9077817	*Rejected*
Bandwidth 3	3.812464149	0.052839478	3.9077817	*Rejected*
Bandwidth 4	7.856736764	0.005803665	3.91074662	*Rejected*
Bandwidth 5	29.20781926	5.97E-07	3.95456841	*Rejected*

Jenis *Formant* "dari"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.518168985	0.474244452	3.99092377	*Rejected*
Formant 2	2.932545105	0.091652092	3.99092377	*Rejected*
Formant 3	72.26689443	4.23E-12	3.99092377	*Rejected*
Formant 4	139.6839611	9.71E-18	3.99092377	*Rejected*
Formant 5	7.50724798	0.009717827	4.13001775	*Rejected*
Bandwidth 1	0.547429061	0.462075593	3.99092377	*Rejected*
Bandwidth 2	7.921638886	0.00648309	3.99092377	*Rejected*
Bandwidth 3	10.86599756	0.00160048	3.99092377	*Rejected*
Bandwidth 4	23.18562443	9.37E-06	3.99092377	*Rejected*
Bandwidth 5	0.130760453	0.719882496	4.13001775	*Accepted*

Jenis *Formant* "kepolisian"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	14.3876653	0.000192912	3.88466874	*Rejected*
Formant 2	0.403184864	0.526117959	3.88466874	*Accepted*
Formant 3	9.800396944	0.001984784	3.88466874	*Rejected*
Formant 4	47.27987093	6.58E-11	3.88507406	*Rejected*
Formant 5	109.0820378	3.55E-19	3.9097293	*Rejected*
Bandwidth 1	6.064036527	0.014575065	3.88466874	*Rejected*
Bandwidth 2	2.226712099	0.137094601	3.88466874	*Rejected*
Bandwidth 3	1.265736554	0.261810872	3.88466874	*Rejected*
Bandwidth 4	8.586157593	0.003752932	3.88507406	*Rejected*
Bandwidth 5	45.43808079	3.95E-10	3.9097293	*Rejected*

Jenis *Formant* "mengabarkan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.021736844	0.882935639	3.88767522	*Accepted*
Formant 2	0.043125465	0.83569739	3.88767522	*Accepted*

Formant 3	0.008204029	0.927918736	3.88767522	*Accepted*
Formant 4	0.298820629	0.585223075	3.88767522	*Rejected*
Formant 5	199.5495823	3.15E-29	3.90506011	*Rejected*
Bandwidth 1	11.9388238	0.000669332	3.88767522	*Rejected*
Bandwidth 2	10.97717427	0.001092125	3.88767522	*Rejected*
Bandwidth 3	3.630952252	0.058127483	3.88767522	*Rejected*
Bandwidth 4	11.97621774	0.000656772	3.88767522	*Rejected*
Bandwidth 5	51.8001158	2.86E-11	3.90506011	*Rejected*

Jenis *Formant* "bahwa"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	8.313679539	0.005638894	4.01954096	*Rejected*
Formant 2	2.100789188	0.153006152	4.01954096	*Rejected*
Formant 3	1.901326105	0.17361511	4.01954096	*Rejected*
Formant 4	1.867854244	0.177384595	4.01954096	*Rejected*
Formant 5	45.93155514	7.42E-08	4.1213382	*Rejected*
Bandwidth 1	7.596896371	0.007957132	4.01954096	*Rejected*
Bandwidth 2	0.988761204	0.324480339	4.01954096	*Rejected*
Bandwidth 3	0.390287629	0.534779169	4.01954096	*Accepted*
Bandwidth 4	2.354894041	0.130729087	4.01954096	*Rejected*
Bandwidth 5	7.945754169	0.007878754	4.1213382	*Rejected*

Jenis *Formant* "anak"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	8.72142746	0.004562247	4.00986792	*Rejected*
Formant 2	4.120887405	0.047033415	4.00986792	*Rejected*
Formant 3	17.3625031	0.000105989	4.00986792	*Rejected*
Formant 4	2.697510419	0.106011286	4.00986792	*Rejected*
Formant 5	170.2009207	1.47E-17	4.03839263	*Rejected*
Bandwidth 1	34.04446755	2.68E-07	4.00986792	*Rejected*
Bandwidth 2	0.065116657	0.799502862	4.00986792	*Accepted*
Bandwidth 3	3.538033164	0.065088012	4.00986792	*Rejected*
Bandwidth 4	0.006836297	0.934394148	4.00986792	*Accepted*
Bandwidth 5	27.10420482	3.80E-06	4.03839263	*Rejected*

Jenis *Formant* "bapak"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	14.52578733	0.000274502	3.96347205	*Rejected*
Formant 2	14.77745788	0.000245348	3.96347205	*Rejected*
Formant 3	0.219028123	0.64108653	3.96347205	*Accepted*
Formant 4	0.163632035	0.686941493	3.96347205	*Accepted*
Formant 5	41.91126129	1.73E-08	3.99588713	*Rejected*
Bandwidth 1	3.12713999	0.080908641	3.96347205	*Rejected*
Bandwidth 2	0.000117381	0.99138334	3.96347205	*Accepted*
Bandwidth 3	10.48435511	0.001769076	3.96347205	*Rejected*
Bandwidth 4	4.399460762	0.039189271	3.96347205	*Rejected*
Bandwidth 5	13.253457	0.00055648	3.99588713	*Rejected*

Jenis *Formant* "kecelakaan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.828721564	0.363603848	3.88256757	*Rejected*
Formant 2	5.851021684	0.016352415	3.88256757	*Rejected*
Formant 3	2.876816722	0.091228407	3.88256757	*Rejected*
Formant 4	4.620148352	0.03265154	3.88256757	*Rejected*
Formant 5	97.44313903	3.35E-18	3.9009887	*Rejected*
Bandwidth 1	14.06887812	0.000223535	3.88256757	*Rejected*
Bandwidth 2	1.10385088	0.294534857	3.88256757	*Rejected*
Bandwidth 3	3.647148504	0.057420347	3.88256757	*Rejected*
Bandwidth 4	8.816643157	0.00330389	3.88256757	*Rejected*
Bandwidth 5	4.033633888	0.046305457	3.9009887	*Rejected*

Jenis *Formant* "harus"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	28.37438416	2.57E-07	3.88612144	*Rejected*
Formant 2	7.299427974	0.007461303	3.88612144	*Rejected*
Formant 3	20.55335094	9.74E-06	3.88612144	*Rejected*
Formant 4	0.884567953	0.348039353	3.88633698	*Rejected*
Formant 5	47.96108864	2.25E-10	3.91946456	*Rejected*
Bandwidth 1	16.626319	6.46E-05	3.88612144	*Rejected*
Bandwidth 2	9.384088311	0.002475369	3.88612144	*Rejected*
Bandwidth 3	935.5153727	2.64E-79	3.88612144	*Rejected*
Bandwidth 4	0.925273016	0.337205812	3.88633698	*Rejected*

Bandwidth 5	10.87178995	0.001282065	3.91946456	*Rejected*

Jenis *Formant* "dilakukan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	14.81527707	0.000199411	3.92739363	*Rejected*
Formant 2	36.47098529	2.14E-08	3.92739363	*Rejected*
Formant 3	27.91455265	6.47E-07	3.92739363	*Rejected*
Formant 4	7.392017199	0.007614495	3.92739363	*Rejected*
Formant 5	92.36808637	3.62E-14	3.98626948	*Rejected*
Bandwidth 1	54.83565591	2.82E-11	3.92739363	*Rejected*
Bandwidth 2	1.127906923	0.290548339	3.92739363	*Rejected*
Bandwidth 3	9.252892336	0.002940148	3.92739363	*Rejected*
Bandwidth 4	22.04820406	7.72E-06	3.92739363	*Rejected*
Bandwidth 5	14.37701678	0.000326777	3.98626948	*Rejected*

Jenis *Formant* "penanganan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.018412228	0.892270196	3.91233076	*Accepted*
Formant 2	1.7342434	0.190134436	3.91233076	*Rejected*
Formant 3	17.29483827	5.70E-05	3.91233076	*Rejected*
Formant 4	5.54764359	0.019967443	3.91233076	*Rejected*
Formant 5	22.44775621	6.94E-06	3.93333667	*Rejected*
Bandwidth 1	53.7306546	2.01E-11	3.91233076	*Rejected*
Bandwidth 2	2.16E-05	0.996301696	3.91233076	*Rejected*
Bandwidth 3	12.36329081	0.00059937	3.91233076	*Rejected*
Bandwidth 4	2.319785175	0.130111851	3.91233076	*Rejected*
Bandwidth 5	12.30089992	0.00067229	3.93333667	*Rejected*

Jenis *Formant* "yang"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	1.284469011	0.264998439	4.13001775	*Rejected*
Formant 2	4.047720804	0.05220933	4.13001775	*Rejected*
Formant 3	0.451406086	0.506208004	4.13001775	*Accepted*
Formant 4	0.378036637	0.542749229	4.13001775	*Accepted*
Formant 5	5.587353491	0.024538794	4.1596151	*Rejected*
Bandwidth 1	178.5793457	4.32E-15	4.13001775	*Rejected*
Bandwidth 2	0.882672317	0.354097859	4.13001775	*Rejected*

Bandwidth 3	0.410876765	0.525822224	4.13001775	*Accepted*
Bandwidth 4	11.35973533	0.001881816	4.13001775	*Rejected*
Bandwidth 5	4.368071969	0.044914604	4.1596151	*Rejected*

Jenis *Formant* "serius"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	11.47961899	0.000941522	3.91693224	*Rejected*
Formant 2	0.723638822	0.396579458	3.91693224	*Rejected*
Formant 3	0.045700853	0.831068817	3.91693224	*Accepted*
Formant 4	1.241018763	0.267412266	3.91693224	*Rejected*
Formant 5	0.806995241	0.371146674	3.93518869	*Rejected*
Bandwidth 1	72.9311884	3.88E-14	3.91693224	*Rejected*
Bandwidth 2	0.051491275	0.820859054	3.91693224	*Accepted*
Bandwidth 3	12.27352559	0.000638122	3.91693224	*Rejected*
Bandwidth 4	2.97754936	0.086898196	3.91693224	*Rejected*
Bandwidth 5	110.2969304	7.03E-18	3.93518869	*Rejected*

Jenis *Formant* "dan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	3.994810116	0.051092024	4.03430971	*Rejected*
Formant 2	5.601768353	0.021855629	4.03430971	*Rejected*
Formant 3	21.10138448	2.97E-05	4.03430971	*Rejected*
Formant 4	0.163004643	0.688126733	4.03430971	*Accepted*
Formant 5	144.6690588	6.83E-12	4.24169905	*Rejected*
Bandwidth 1	7.281191902	0.009477247	4.03430971	*Rejected*
Bandwidth 2	0.645012994	0.425702785	4.03430971	*Rejected*
Bandwidth 3	11.39679041	0.001430284	4.03430971	*Rejected*
Bandwidth 4	1.996147801	0.163894464	4.03430971	*Rejected*
Bandwidth 5	5.34222935	0.029343775	4.24169905	*Rejected*

Jenis *Formant* "biaya"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	3.246596641	0.07370841	3.90825811	*Rejected*
Formant 2	10.57075713	0.00143723	3.90825811	*Rejected*
Formant 3	56.40220964	6.15E-12	3.90825811	*Rejected*
Formant 4	49.07181255	9.30E-11	3.90825811	*Rejected*
Formant 5	5.077521061	0.026537882	3.94122155	*Rejected*

Bandwidth 1	64.11846226	3.95E-13	3.90825811	*Rejected*
Bandwidth 2	2.035494926	0.155874741	3.90825811	*Rejected*
Bandwidth 3	10.85020967	0.001249135	3.90825811	*Rejected*
Bandwidth 4	1.794469781	0.182537641	3.90825811	*Rejected*
Bandwidth 5	21.91221773	9.47E-06	3.94122155	*Rejected*

Jenis *Formant* "secepatnya"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	1.861072725	0.174004182	3.88744666	*Rejected*
Formant 2	25.93763207	8.00E-07	3.88744666	*Rejected*
Formant 3	27.71850833	3.55E-07	3.88744666	*Rejected*
Formant 4	2.448587398	0.119195916	3.88790605	*Rejected*
Formant 5	29.67171894	2.28E-07	3.9097293	*Rejected*
Bandwidth 1	14.52525798	0.000183074	3.88744666	*Rejected*
Bandwidth 2	7.089637831	0.008371555	3.88744666	*Rejected*
Bandwidth 3	8.787411873	0.003394223	3.88744666	*Rejected*
Bandwidth 4	12.92917008	0.000406641	3.88790605	*Rejected*
Bandwidth 5	34.6238014	2.89E-08	3.9097293	*Rejected*

Jenis *Formant* "bapak"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	8.745102585	0.003633121	3.90731205	*Rejected*
Formant 2	2.20518923	0.139748108	3.90731205	*Rejected*
Formant 3	30.84603039	1.32E-07	3.90731205	*Rejected*
Formant 4	8.696632924	0.003725227	3.90731205	*Rejected*
Formant 5	8.526656076	0.004199717	3.92217269	*Rejected*
Bandwidth 1	26.99550692	6.90E-07	3.90731205	*Rejected*
Bandwidth 2	1.108958399	0.294084622	3.90731205	*Rejected*
Bandwidth 3	7.592351055	0.006624899	3.90731205	*Rejected*
Bandwidth 4	0.021192711	0.884460195	3.90731205	*Accepted*
Bandwidth 5	14.11521952	0.000269643	3.92217269	*Rejected*

Jenis *Formant* "harus"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	1.741327655	0.195787843	4.13001775	*Rejected*
Formant 2	7.321892666	0.010571991	4.13001775	*Rejected*

Formant 3	3.999565289	0.053552127	4.13001775	*Rejected*
Formant 4	1.408987595	0.243452122	4.13001775	*Rejected*
Formant 5	7.197853991	0.011927723	4.18296429	*Rejected*
Bandwidth 1	4.25804807	0.046765669	4.13001775	*Rejected*
Bandwidth 2	0.288349822	0.594776858	4.13001775	*Accepted*
Bandwidth 3	28.00077689	7.18E-06	4.13001775	*Rejected*
Bandwidth 4	2.768083849	0.105352983	4.13001775	*Rejected*
Bandwidth 5	6.962710989	0.013247963	4.18296429	*Rejected*

Jenis *Formant* "mengirimkan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	2.983483983	0.086779671	3.92287936	*Rejected*
Formant 2	7.221950304	0.008260671	3.92287936	*Rejected*
Formant 3	32.23836852	1.02E-07	3.92287936	*Rejected*
Formant 4	1.690427749	0.196122004	3.92287936	*Rejected*
Formant 5	0.105033467	0.746622884	3.94687573	*Accepted*
Bandwidth 1	57.06457391	1.06E-11	3.92287936	*Rejected*
Bandwidth 2	11.97411164	0.00075571	3.92287936	*Rejected*
Bandwidth 3	2.480377634	0.117998039	3.92287936	*Rejected*
Bandwidth 4	3.21E-05	0.995486495	3.92287936	*Rejected*
Bandwidth 5	8.402673517	0.004706046	3.94687573	*Rejected*

Jenis *Formant* "uang"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.242515304	0.623650198	3.95188241	*Accepted*
Formant 2	0.103072671	0.748951911	3.95188241	*Accepted*
Formant 3	25.70823662	2.25E-06	3.95188241	*Rejected*
Formant 4	12.36772778	0.000700019	3.95188241	*Rejected*
Formant 5	55.31153328	2.13E-10	3.97980721	*Accepted*
Bandwidth 1	2.415184242	0.123836354	3.95188241	*Rejected*
Bandwidth 2	1.839128834	0.1786031	3.95188241	*Rejected*
Bandwidth 3	54.33690232	9.71E-11	3.95188241	*Rejected*
Bandwidth 4	0.282326038	0.596550423	3.95188241	*Accepted*
Bandwidth 5	11.03502191	0.001432331	3.97980721	*Rejected*

Jenis *Formant* "sejumlah"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.360289999	0.549358995	3.91179473	*Accepted*
Formant 2	10.27049251	0.001689761	3.91179473	*Rejected*
Formant 3	64.02839031	5.15E-13	3.91179473	*Rejected*
Formant 4	49.0288053	1.10E-10	3.91179473	*Rejected*
Formant 5	81.82397289	1.42E-14	3.93811108	*Rejected*
Bandwidth 1	111.6150124	2.37E-19	3.91179473	*Rejected*
Bandwidth 2	9.817700261	0.002123472	3.91179473	*Rejected*
Bandwidth 3	4.203544705	0.042289381	3.91179473	*Rejected*
Bandwidth 4	5.944933932	0.016069534	3.91179473	*Rejected*
Bandwidth 5	11.73507052	0.000897422	3.93811108	*Rejected*

Jenis *Formant* "lima"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	2.220690488	0.140935921	3.98626948	*Rejected*
Formant 2	9.953064766	0.002418467	3.98626948	*Rejected*
Formant 3	41.16959426	1.74E-08	3.98626948	*Rejected*
Formant 4	63.36775009	3.12E-11	3.98626948	*Rejected*
Formant 5	73.29709484	2.28E-11	4.03430971	*Rejected*
Bandwidth 1	118.6255261	2.19E-16	3.98626948	*Rejected*
Bandwidth 2	2.815046067	0.09811407	3.98626948	*Rejected*
Bandwidth 3	9.028086813	0.003755226	3.98626948	*Rejected*
Bandwidth 4	19.34020535	4.07E-05	3.98626948	*Rejected*
Bandwidth 5	2.522869491	0.118510502	4.03430971	*Rejected*

Jenis *Formant* "puluh"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	1.735512845	0.192405344	3.99092377	*Rejected*
Formant 2	12.26414166	0.000847399	3.99092377	*Rejected*
Formant 3	42.17200785	1.42E-08	3.99092377	*Rejected*
Formant 4	18.0670079	7.07E-05	3.99092377	*Rejected*
Formant 5	65.74947229	1.30E-10	4.03839263	*Rejected*
Bandwidth 1	21.65704406	1.69E-05	3.99092377	*Rejected*
Bandwidth 2	1.765628768	0.188642231	3.99092377	*Rejected*
Bandwidth 3	1.872291512	0.17599748	3.99092377	*Rejected*
Bandwidth 4	0.432874465	0.51294151	3.99092377	*Accepted*
Bandwidth 5	0.5447006	0.464011273	4.03839263	*Rejected*

Jenis *Formant* "juta"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	1.102055094	0.296451129	3.94016272	*Rejected*
Formant 2	6.409524967	0.012974598	3.94016272	*Rejected*
Formant 3	34.77844235	5.51E-08	3.94016272	*Rejected*
Formant 4	30.25356019	3.38E-07	3.94453886	*Rejected*
Formant 5	69.80238943	4.97E-12	3.98189626	*Rejected*
Bandwidth 1	1.296456267	0.257694981	3.94016272	*Rejected*
Bandwidth 2	8.474963468	0.004476536	3.94016272	*Rejected*
Bandwidth 3	5.578972256	0.02019632	3.94016272	*Rejected*
Bandwidth 4	0.29934746	0.58561654	3.94453886	*Accepted*
Bandwidth 5	6.004329461	0.016849067	3.98189626	*Rejected*

Jenis *Formant* "ke"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	6.315131877	0.016877031	4.13001775	*Rejected*
Formant 2	7.797347969	0.008526707	4.13001775	*Rejected*
Formant 3	8.521019113	0.00618778	4.13001775	*Rejected*
Formant 4	17.92422402	0.000164916	4.13001775	*Rejected*
Formant 5	288.7780617	6.02E-13	4.38074969	*Rejected*
Bandwidth 1	8.730411728	0.00564753	4.13001775	*Rejected*
Bandwidth 2	10.3797102	0.002806658	4.13001775	*Rejected*
Bandwidth 3	8.62504851	0.005912752	4.13001775	*Rejected*
Bandwidth 4	1.402649373	0.244493949	4.13001775	*Rejected*
Bandwidth 5	9.665412141	0.005778981	4.38074969	*Rejected*

Jenis *Formant* "nomor"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.760459425	0.385827431	3.96189204	*Rejected*
Formant 2	21.14978974	1.59E-05	3.96189204	*Rejected*
Formant 3	11.85630661	0.000922099	3.96189204	*Rejected*
Formant 4	17.94604493	6.10E-05	3.96189204	*Rejected*
Formant 5	2.79E-05	0.995802229	4.01297338	*Rejected*
Bandwidth 1	109.8842365	1.29E-16	3.96189204	*Rejected*
Bandwidth 2	0.703966562	0.4039858	3.96189204	*Rejected*
Bandwidth 3	9.922076395	0.002306209	3.96189204	*Rejected*
Bandwidth 4	0.719112943	0.39899706	3.96189204	*Rejected*

Bandwidth 5	9.449564174	0.003260979	4.01297338	*Rejected*

Jenis *Formant* "rekening"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.100995272	0.751230271	3.92583427	*Accepted*
Formant 2	1.389418952	0.241001397	3.92583427	*Rejected*
Formant 3	70.83877582	1.43E-13	3.92583427	*Rejected*
Formant 4	18.03331509	4.50E-05	3.92583427	*Rejected*
Formant 5	10.54807807	0.001716203	3.96347205	*Rejected*
Bandwidth 1	54.51098703	2.93E-11	3.92583427	*Rejected*
Bandwidth 2	0.50643262	0.478166872	3.92583427	*Rejected*
Bandwidth 3	12.91484263	0.000485906	3.92583427	*Rejected*
Bandwidth 4	5.366738918	0.02234312	3.92583427	*Rejected*
Bandwidth 5	4.575650892	0.035557643	3.96347205	*Rejected*

Jenis *Formant* "ini"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	2.453010945	0.119449844	3.90549809	*Rejected*
Formant 2	2.380393527	0.1250166	3.90549809	*Rejected*
Formant 3	2.593612148	0.109440633	3.90549809	*Rejected*
Formant 4	0.343583068	0.558673373	3.90594215	*Accepted*
Formant 5	261.9391108	6.14E-24	3.99588713	*Rejected*
Bandwidth 1	72.01778933	2.12E-14	3.90549809	*Rejected*
Bandwidth 2	2.969284606	0.086962112	3.90549809	*Rejected*
Bandwidth 3	4.761380165	0.03069347	3.90549809	*Rejected*
Bandwidth 4	22.25410692	5.53E-06	3.90594215	*Rejected*
Bandwidth 5	13.1338167	0.000586509	3.99588713	*Rejected*

Tabel Lampiran 4. 2 Rekaman Suara Barang Bukti dengan Suara Pembanding (tersangka B)

Jenis *Formant* "selamat"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	6.327816171	0.012641911	3.88655461	*Rejected*
Formant 2	2.951693974	0.087275728	3.88655461	*Rejected*
Formant 3	17.05256673	5.26E-05	3.88655461	*Rejected*
Formant 4	14.58853597	0.000176505	3.88655461	*Rejected*

Formant 5	18.37467483	4.12E-05	3.93425344	*Rejected*
Bandwidth 1	0.003711387	0.951480496	3.88655461	*Accepted*
Bandwidth 2	1.510981653	0.220378102	3.88655461	*Rejected*
Bandwidth 3	0.452590806	0.501853887	3.88655461	*Accepted*
Bandwidth 4	7.328646832	0.00735053	3.88655461	*Rejected*
Bandwidth 5	0.256283713	0.613777335	3.93425344	*Accepted*

Jenis *Formant* "siang"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	20.01890697	1.66E-05	3.91398903	*Rejected*
Formant 2	0.65032849	0.421468069	3.91398903	*Rejected*
Formant 3	0.000902491	0.976080033	3.91398903	*Accepted*
Formant 4	0.005234207	0.942436303	3.91398903	*Accepted*
Formant 5	105.3673941	4.33E-18	3.92079552	*Rejected*
Bandwidth 1	7.933467853	0.005610306	3.91398903	*Rejected*
Bandwidth 2	4.494841623	0.035897511	3.91398903	*Rejected*
Bandwidth 3	8.573834901	0.004027785	3.91398903	*Rejected*
Bandwidth 4	0.527036357	0.469160501	3.91398903	*Rejected*
Bandwidth 5	10.00614719	0.001980373	3.92079552	*Accepted*

Jenis *Formant* "saya"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.673243854	0.413523247	3.91881568	*Rejected*
Formant 2	0.507463752	0.477598999	3.91881568	*Rejected*
Formant 3	0.675808532	0.412637544	3.91881568	*Rejected*
Formant 4	0.00062565	0.980085463	3.91881568	*Accepted*
Formant 5	6.953416487	0.009674093	3.93425344	*Rejected*
Bandwidth 1	0.06131292	0.804848974	3.91881568	*Accepted*
Bandwidth 2	0.016233883	0.898823886	3.91881568	*Accepted*
Bandwidth 3	3.438218529	0.066119255	3.91881568	*Rejected*
Bandwidth 4	6.852463683	0.009972554	3.91881568	*Rejected*
Bandwidth 5	2.706106367	0.103043148	3.93425344	*Rejected*

Jenis *Formant* "dari"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	2.515080103	0.119613184	4.05174869	*Rejected*
Formant 2	5.349838133	0.025248899	4.05174869	*Rejected*
Formant 3	0.852925831	0.360545207	4.05174869	*Rejected*

Formant 4	1.108741389	0.297855552	4.05174869	*Rejected*
Formant 5	0.057848471	0.811072464	4.06704743	*Accepted*
Bandwidth 1	2.868739523	0.097077579	4.05174869	*Rejected*
Bandwidth 2	1.805556108	0.185633159	4.05174869	*Rejected*
Bandwidth 3	1.828663987	0.182896456	4.05174869	*Rejected*
Bandwidth 4	14.64360561	0.000390126	4.05174869	*Rejected*
Bandwidth 5	1.322575708	0.25648627	4.06704743	*Rejected*

Jenis *Formant* "kepolisian"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	1.763408969	0.185456196	3.8803335	*Rejected*
Formant 2	0.364988701	0.546316893	3.8803335	*Rejected*
Formant 3	9.69093065	0.002075506	3.8803335	*Rejected*
Formant 4	17.37926106	4.29E-05	3.8809946	*Rejected*
Formant 5	3.766754165	0.053906312	3.89577329	*Rejected*
Bandwidth 1	5.34470495	0.021629246	3.8803335	*Rejected*
Bandwidth 2	0.072612399	0.787800998	3.8803335	*Accepted*
Bandwidth 3	2.735245154	0.099458321	3.8803335	*Rejected*
Bandwidth 4	5.763078325	0.017138374	3.8809946	*Rejected*
Bandwidth 5	0.050134813	0.823093055	3.89577329	*Accepted*

Jenis *Formant* "mengabarkan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.368838327	0.544227035	3.88150538	*Accepted*
Formant 2	0.733840973	0.39251742	3.88150538	*Rejected*
Formant 3	2.943732196	0.087534923	3.88150538	*Rejected*
Formant 4	28.17910881	2.57E-07	3.88150538	*Rejected*
Formant 5	9.436142531	0.002436426	3.89034792	*Rejected*
Bandwidth 1	8.202353223	0.004563671	3.88150538	*Rejected*
Bandwidth 2	23.63539252	2.14E-06	3.88150538	*Rejected*
Bandwidth 3	9.775698305	0.00199227	3.88150538	*Rejected*
Bandwidth 4	22.47859568	3.69E-06	3.88150538	*Rejected*
Bandwidth 5	9.594137567	0.002244652	3.89034792	*Rejected*

Jenis *Formant* "bahwa"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	10.43076586	0.001899233	3.97980721	*Rejected*
Formant 2	2.970743426	0.089261343	3.97980721	*Rejected*
Formant 3	0.468814886	0.495826454	3.97980721	*Rejected*
Formant 4	1.152162405	0.286836558	3.97980721	*Rejected*
Formant 5	95.7235051	1.00E-13	4.01297338	*Rejected*
Bandwidth 1	3.424717236	0.068508311	3.97980721	*Rejected*
Bandwidth 2	2.047503257	0.156969561	3.97980721	*Rejected*
Bandwidth 3	0.057428035	0.811318669	3.97980721	*Accepted*
Bandwidth 4	6.592402912	0.012411696	3.97980721	*Rejected*
Bandwidth 5	0.862591805	0.357000555	4.01297338	*Rejected*

Jenis *Formant* "anak"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	3.769224249	0.056751961	3.99588713	*Rejected*
Formant 2	3.658036483	0.060421419	3.99588713	*Rejected*
Formant 3	25.8298499	3.68E-06	3.99588713	*Rejected*
Formant 4	44.84932632	7.17E-09	3.99588713	*Rejected*
Formant 5	89.11329821	6.09E-12	4.07265376	*Rejected*
Bandwidth 1	0.128358644	0.721356954	3.99588713	*Accepted*
Bandwidth 2	1.488930338	0.227003441	3.99588713	*Rejected*
Bandwidth 3	8.589669469	0.004728246	3.99588713	*Rejected*
Bandwidth 4	0.001386625	0.970415347	3.99588713	*Accepted*
Bandwidth 5	0.506329819	0.480665736	4.07265376	*Rejected*

Jenis *Formant* "bapak"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	10.49300582	0.001600777	3.9306919	*Rejected*
Formant 2	4.004295389	0.047940372	3.9306919	*Rejected*
Formant 3	11.87335404	0.000817221	3.9306919	*Rejected*
Formant 4	50.97613211	1.22E-10	3.9306919	*Rejected*
Formant 5	59.28182577	1.51E-11	3.94453886	*Rejected*
Bandwidth 1	0.017975985	0.893597855	3.9306919	*Accepted*
Bandwidth 2	3.273840838	0.073226749	3.9306919	*Rejected*
Bandwidth 3	24.04963862	3.40E-06	3.9306919	*Rejected*
Bandwidth 4	0.000821199	0.97719238	3.9306919	*Accepted*
Bandwidth 5	6.66002439	0.011441968	3.94453886	*Rejected*

Jenis *Formant* "kecelakaan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	4.742213501	0.030434978	3.88167858	*Rejected*
Formant 2	2.009587966	0.157643651	3.88167858	*Rejected*
Formant 3	50.20250894	1.63E-11	3.88167858	*Rejected*
Formant 4	130.3862915	2.83E-24	3.88167858	*Rejected*
Formant 5	74.13485954	4.37E-15	3.89577329	*Rejected*
Bandwidth 1	1.012705521	0.315299481	3.88167858	*Rejected*
Bandwidth 2	0.336584429	0.562368038	3.88167858	*Accepted*
Bandwidth 3	23.97046446	1.83E-06	3.88167858	*Rejected*
Bandwidth 4	0.059960773	0.806773468	3.88167858	*Accepted*
Bandwidth 5	1.783180764	0.183513572	3.89577329	*Rejected*

Jenis *Formant* "harus"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	31.65365897	9.99E-08	3.9102342	*Rejected*
Formant 2	5.063002251	0.026035891	3.9102342	*Rejected*
Formant 3	3.967782427	0.048366773	3.9102342	*Rejected*
Formant 4	0.001066183	0.973999258	3.9102342	*Accepted*
Formant 5	184.1224599	1.12E-23	3.94453886	*Rejected*
Bandwidth 1	3.493532054	0.063743969	3.9102342	*Rejected*
Bandwidth 2	0.156177639	0.693314984	3.9102342	*Accepted*
Bandwidth 3	14.11766693	0.000253223	3.9102342	*Rejected*
Bandwidth 4	11.56794339	0.000879613	3.9102342	*Rejected*
Bandwidth 5	1.76271587	0.187571056	3.94453886	*Rejected*

Jenis *Formant* "dilakukan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	2.236114216	0.137380724	3.91817751	*Rejected*
Formant 2	2.658995795	0.105523799	3.91817751	*Rejected*
Formant 3	17.59574016	5.18E-05	3.91817751	*Rejected*
Formant 4	86.77966527	6.08E-16	3.91817751	*Rejected*
Formant 5	56.4727083	2.16E-11	3.93333667	*Rejected*
Bandwidth 1	1.014691853	0.315758969	3.91817751	*Rejected*
Bandwidth 2	2.129667744	0.147021253	3.91817751	*Rejected*

Bandwidth 3	1.625920087	0.204671555	3.91817751	*Rejected*
Bandwidth 4	1.083832186	0.299883871	3.91817751	*Rejected*
Bandwidth 5	6.31173906	0.013545854	3.93333667	*Rejected*

Jenis *Formant* "penanganan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.000778679	0.977864242	4.06170646	*Accepted*
Formant 2	9.239660429	0.003978135	4.06170646	*Rejected*
Formant 3	49.57926368	9.95E-09	4.06170646	*Rejected*
Formant 4	50.96183176	7.16E-09	4.06170646	*Rejected*
Formant 5	1.672550642	0.204154791	4.11316528	*Rejected*
Bandwidth 1	9.053894139	0.004325976	4.06170646	*Rejected*
Bandwidth 2	1.490146379	0.228695308	4.06170646	*Rejected*
Bandwidth 3	2.42828808	0.126327458	4.06170646	*Rejected*
Bandwidth 4	7.669085521	0.008193513	4.06170646	*Rejected*
Bandwidth 5	4.946797654	0.032499853	4.11316528	*Rejected*

Jenis *Formant* "yang"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	27.76796839	5.14E-07	3.9097293	*Rejected*
Formant 2	6.307976591	0.01317222	3.9097293	*Rejected*
Formant 3	140.904734	7.79E-23	3.9097293	*Rejected*
Formant 4	220.6257811	2.07E-30	3.9097293	*Rejected*
Formant 5	50.82976984	7.74E-11	3.91881568	*Rejected*
Bandwidth 1	12.92137463	0.000451167	3.9097293	*Rejected*
Bandwidth 2	1.62050468	0.205161781	3.9097293	*Rejected*
Bandwidth 3	5.170905307	0.024511397	3.9097293	*Rejected*
Bandwidth 4	11.22265612	0.001042298	3.9097293	*Rejected*
Bandwidth 5	18.87024599	2.91E-05	3.91881568	*Rejected*

Jenis *Formant* "serius"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	2.421752013	0.124592646	3.99092377	*Rejected*
Formant 2	0.543438143	0.4637054	3.99092377	*Rejected*
Formant 3	18.54990398	5.81E-05	3.99092377	*Rejected*
Formant 4	15.47235071	0.000208622	3.99092377	*Rejected*
Formant 5	124.0114751	5.68E-14	4.07854573	*Rejected*

Bandwidth 1	1.062194277	0.306594456	3.99092377	*Rejected*
Bandwidth 2	29.76827263	8.42E-07	3.99092377	*Rejected*
Bandwidth 3	0.94618729	0.334353865	3.99092377	*Rejected*
Bandwidth 4	3.61652179	0.061711389	3.99092377	*Rejected*
Bandwidth 5	5.210234158	0.027711145	4.07854573	*Rejected*

Jenis *Formant* "dan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	2.907914402	0.090363645	3.90874141	*Rejected*
Formant 2	5.479262749	0.020655134	3.90874141	*Rejected*
Formant 3	0.352213103	0.553820624	3.90874141	*Accepted*
Formant 4	0.314577472	0.575781319	3.90874141	*Accepted*
Formant 5	67.06402143	7.93E-13	3.93425344	*Rejected*
Bandwidth 1	35.39348518	2.05E-08	3.90874141	*Rejected*
Bandwidth 2	2.763248625	0.098689597	3.90874141	*Rejected*
Bandwidth 3	0.238417253	0.626115506	3.90874141	*Accepted*
Bandwidth 4	25.50420053	1.35E-06	3.90874141	*Rejected*
Bandwidth 5	13.05617128	0.000471234	3.93425344	*Rejected*

Jenis *Formant* "biaya"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	3.754951502	0.053908343	3.88330756	*Rejected*
Formant 2	0.002310102	0.961708444	3.88330756	*Accepted*
Formant 3	47.64812332	5.18E-11	3.88330756	*Rejected*
Formant 4	29.50565013	1.45E-07	3.88349674	*Rejected*
Formant 5	43.57459004	4.81E-10	3.89577329	*Rejected*
Bandwidth 1	3.694935472	0.055846416	3.88330756	*Rejected*
Bandwidth 2	0.273301432	0.601642383	3.88330756	*Accepted*
Bandwidth 3	2.679271043	0.10306638	3.88330756	*Rejected*
Bandwidth 4	11.7760441	0.00071492	3.88349674	*Rejected*
Bandwidth 5	7.137879328	0.008268219	3.89577329	*Rejected*

Jenis *Formant* "secepatnya"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.185904321	0.667045534	3.91233076	*Accepted*
Formant 2	31.48924347	1.12E-07	3.91233076	*Rejected*
Formant 3	0.860491225	0.355281616	3.91233076	*Rejected*

Formant 4	0.084683285	0.771501634	3.91233076	*Accepted*
Formant 5	32.99984728	7.32E-08	3.92147818	*Rejected*
Bandwidth 1	27.76921648	5.37E-07	3.91233076	*Rejected*
Bandwidth 2	10.17615709	0.00177472	3.91233076	*Rejected*
Bandwidth 3	2.071344731	0.152438505	3.91233076	*Rejected*
Bandwidth 4	1.002474979	0.318530522	3.91233076	*Rejected*
Bandwidth 5	7.350332465	0.007706292	3.92147818	*Rejected*

Jenis *Formant* "bapak"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	20.49557203	2.35E-05	3.97581015	*Rejected*
Formant 2	6.472037592	0.013136058	3.97581015	*Rejected*
Formant 3	13.53089859	0.000453103	3.97581015	*Rejected*
Formant 4	42.7492424	8.15E-09	3.97581015	*Rejected*
Formant 5	10.99066109	0.001557216	4.00119138	*Rejected*
Bandwidth 1	5.983643416	0.016918683	3.97581015	*Rejected*
Bandwidth 2	4.787840596	0.031953662	3.97581015	*Rejected*
Bandwidth 3	7.628527105	0.007308781	3.97581015	*Rejected*
Bandwidth 4	6.819632957	0.010993664	3.97581015	*Rejected*
Bandwidth 5	12.15678864	0.00092132	4.00119138	*Rejected*

Jenis *Formant* "harus"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.153053238	0.696295259	3.91632464	*Accepted*
Formant 2	10.49932482	0.001527549	3.91632464	*Rejected*
Formant 3	31.76049719	1.09E-07	3.91632464	*Rejected*
Formant 4	48.87972697	1.41E-10	3.91632464	*Rejected*
Formant 5	4.085216827	0.045879683	3.93425344	*Rejected*
Bandwidth 1	0.336071912	0.563140552	3.91632464	*Accepted*
Bandwidth 2	10.77856263	0.001329167	3.91632464	*Rejected*
Bandwidth 3	0.007862087	0.929486216	3.91632464	*Accepted*
Bandwidth 4	0.007959472	0.929052006	3.91632464	*Accepted*
Bandwidth 5	2.07203067	0.153083588	3.93425344	*Rejected*

Jenis *Formant* "mengirimkan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	7.763848676	0.006336535	3.93243783	*Rejected*
Formant 2	9.578007031	0.002530131	3.93243783	*Rejected*
Formant 3	42.96464584	2.19E-09	3.93243783	*Rejected*
Formant 4	37.04695371	1.95E-08	3.93243783	*Rejected*
Formant 5	83.72795417	1.28E-14	3.94340885	*Rejected*
Bandwidth 1	0.584943753	0.446113022	3.93243783	*Rejected*
Bandwidth 2	6.88449777	0.010002719	3.93243783	*Rejected*
Bandwidth 3	32.82803025	9.88E-08	3.93243783	*Rejected*
Bandwidth 4	10.63735235	0.001499173	3.93243783	*Rejected*
Bandwidth 5	0.479369607	0.490433166	3.94340885	*Rejected*

Jenis *Formant* "uang"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	8.482056969	0.004222782	3.91398903	*Rejected*
Formant 2	24.19924355	2.58E-06	3.91398903	*Rejected*
Formant 3	0.499812244	0.480847961	3.91398903	*Rejected*
Formant 4	2.486293984	0.117272245	3.91398903	*Rejected*
Formant 5	26.0802867	1.66E-06	3.94016272	*Rejected*
Bandwidth 1	20.19023937	1.53E-05	3.91398903	*Rejected*
Bandwidth 2	6.682339772	0.010840045	3.91398903	*Rejected*
Bandwidth 3	17.38912746	5.53E-05	3.91398903	*Rejected*
Bandwidth 4	5.24251849	0.023652909	3.91398903	*Rejected*
Bandwidth 5	0.254380935	0.615162749	3.94016272	*Accepted*

Jenis *Formant* "sejumlah"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.629051903	0.430422162	3.97980721	*Rejected*
Formant 2	0.002716069	0.958586918	3.97980721	*Accepted*
Formant 3	10.17157952	0.00214569	3.97980721	*Rejected*
Formant 4	3.039151536	0.085732735	3.97980721	*Rejected*
Formant 5	0.005741451	0.939987568	4.09127856	*Accepted*
Bandwidth 1	10.48475788	0.00185171	3.97980721	*Rejected*
Bandwidth 2	0.000508419	0.982075791	3.97980721	*Accepted*
Bandwidth 3	2.572375999	0.113312274	3.97980721	*Rejected*
Bandwidth 4	1.77131117	0.187601142	3.97980721	*Rejected*
Bandwidth 5	0.812533586	0.372905488	4.09127856	*Rejected*

Jenis *Formant* "lima"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.789234965	0.377557903	3.98626948	*Rejected*
Formant 2	4.462644729	0.038431203	3.98626948	*Rejected*
Formant 3	14.37302112	0.000327346	3.98626948	*Rejected*
Formant 4	3.417780656	0.068977511	3.98626948	*Rejected*
Formant 5	44.93851761	3.11E-08	4.06170646	*Rejected*
Bandwidth 1	4.104443869	0.046816355	3.98626948	*Rejected*
Bandwidth 2	4.470600596	0.038264387	3.98626948	*Rejected*
Bandwidth 3	4.225274755	0.043786235	3.98626948	*Rejected*
Bandwidth 4	18.79312904	5.09E-05	3.98626948	*Rejected*
Bandwidth 5	0.602766289	0.441678178	4.06170646	*Rejected*

Jenis *Formant* "puluh"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.066924313	0.796323337	3.92217269	*Accepted*
Formant 2	1.526768972	0.219073237	3.92217269	*Rejected*
Formant 3	0.000979035	0.975091953	3.92217269	*Accepted*
Formant 4	7.711355993	0.006425688	3.92507562	*Rejected*
Formant 5	37.00186508	4.26E-08	3.96509407	*Rejected*
Bandwidth 1	0.024197894	0.876650503	3.92217269	*Accepted*
Bandwidth 2	0.167555619	0.6830418	3.92217269	*Accepted*
Bandwidth 3	1.199945045	0.275582458	3.92217269	*Rejected*
Bandwidth 4	0.792085098	0.375361257	3.92507562	*Rejected*
Bandwidth 5	15.62732761	0.00016994	3.96509407	*Rejected*

Jenis *Formant* "juta"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	30.71186792	2.62E-06	4.1054559	*Rejected*
Formant 2	0.003001155	0.956606252	4.1054559	*Accepted*
Formant 3	1.012815451	0.320765824	4.1054559	*Rejected*
Formant 4	6.963663448	0.012100453	4.1054559	*Rejected*
Formant 5	124.4023185	8.20E-12	4.19597182	*Rejected*
Bandwidth 1	13.05682641	0.000893291	4.1054559	*Rejected*
Bandwidth 2	0.022219444	0.882314316	4.1054559	*Accepted*
Bandwidth 3	3.615675597	0.065046343	4.1054559	*Rejected*

Bandwidth 4	4.361828557	0.043690628	4.1054559	*Rejected*
Bandwidth 5	0.328983952	0.570836704	4.19597182	*Accepted*

Jenis *Formant* "ke"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.050628635	0.822619341	3.97581015	*Accepted*
Formant 2	0.111574493	0.739343285	3.97581015	*Accepted*
Formant 3	46.60347692	2.44E-09	3.97581015	*Rejected*
Formant 4	16.64726611	0.000116261	3.97581015	*Rejected*
Formant 5	7.096954325	0.010022695	4.00986792	*Rejected*
Bandwidth 1	6.753552862	0.011370697	3.97581015	*Rejected*
Bandwidth 2	5.505513236	0.021752032	3.97581015	*Rejected*
Bandwidth 3	7.263859471	0.00877678	3.97581015	*Rejected*
Bandwidth 4	0.882419065	0.350724838	3.97581015	*Rejected*
Bandwidth 5	1.554388801	0.217587777	4.00986792	*Rejected*

Jenis *Formant* "nomor"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	3.348102874	0.070556793	3.9456942	*Rejected*
Formant 2	1.091202574	0.298971892	3.9456942	*Rejected*
Formant 3	1.564313565	0.214241052	3.9456942	*Rejected*
Formant 4	2.015235524	0.159143712	3.9456942	*Rejected*
Formant 5	4.416139323	0.038708478	3.95885167	*Rejected*
Bandwidth 1	8.251339391	0.005066736	3.9456942	*Rejected*
Bandwidth 2	6.811403075	0.010590568	3.9456942	*Rejected*
Bandwidth 3	7.362813012	0.007963967	3.9456942	*Rejected*
Bandwidth 4	1.785836411	0.184766207	3.9456942	*Rejected*
Bandwidth 5	0.384097479	0.537157994	3.95885167	*Accepted*

Jenis *Formant* "rekening"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	2.221128138	0.137986617	3.89674196	*Rejected*
Formant 2	0.315781347	0.574894143	3.89674196	*Accepted*
Formant 3	6.738022963	0.010263535	3.89674196	*Rejected*
Formant 4	0.966878489	0.326857267	3.89674196	*Rejected*
Formant 5	2.193100044	0.14151496	3.92819513	*Rejected*
Bandwidth 1	29.56439854	1.86E-07	3.89674196	*Rejected*

Bandwidth 2	2.688433311	0.102928331	3.89674196	*Rejected*
Bandwidth 3	0.700081658	0.403930873	3.89674196	*Rejected*
Bandwidth 4	4.776318603	0.03022147	3.89674196	*Rejected*
Bandwidth 5	2.699012747	0.103292195	3.92819513	*Rejected*

Jenis *Formant* "ini"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	2.211931212	0.139018631	3.9033665	*Rejected*
Formant 2	6.449313822	0.01210399	3.9033665	*Rejected*
Formant 3	2.484428084	0.117057152	3.9033665	*Rejected*
Formant 4	26.67583223	7.59E-07	3.90462808	*Rejected*
Formant 5	1.571846121	0.213458984	3.95596101	*Rejected*
Bandwidth 1	6.474584663	0.011940154	3.9033665	*Rejected*
Bandwidth 2	1.699191349	0.19436467	3.9033665	*Rejected*
Bandwidth 3	1.944919707	0.165170203	3.9033665	*Rejected*
Bandwidth 4	2.257804371	0.13505887	3.90462808	*Rejected*
Bandwidth 5	2.257804371	0.13505887	3.90462808	*Rejected*

Tabel Lampiran 4. 3 Rekaman Suara Barang Bukti dengan Suara Pembanding (tersangka C)

Jenis *Formant* "selamat"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	3.427251742	0.065884198	3.89740717	*Rejected*
Formant 2	17.52394241	4.57E-05	3.89740717	*Rejected*
Formant 3	15.55197596	0.00011766	3.89740717	*Rejected*
Formant 4	10.98278627	0.001126444	3.89740717	*Rejected*
Formant 5	34.13282113	4.38E-08	3.91881568	*Rejected*
Bandwidth 1	4.221856121	0.041455069	3.89740717	*Rejected*
Bandwidth 2	7.012837791	0.008863773	3.89740717	*Rejected*
Bandwidth 3	15.59938142	0.000114993	3.89740717	*Rejected*
Bandwidth 4	1.632707452	0.203091777	3.89740717	*Rejected*
Bandwidth 5	5.803343373	0.017490804	3.91881568	*Rejected*

Jenis *Formant* "siang"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	1.151093822	0.285626545	3.92583427	*Rejected*
Formant 2	0.014303018	0.905018063	3.92583427	*Accepted*

Formant 3	0.237427086	0.627022957	3.92583427	*Accepted*
Formant 4	0.874929054	0.35160676	3.92583427	*Rejected*
Formant 5	0.345703503	0.558191154	3.95885167	*Accepted*
Bandwidth 1	57.08722089	1.22E-11	3.92583427	*Rejected*
Bandwidth 2	14.50452074	0.000228714	3.92583427	*Rejected*
Bandwidth 3	0.690352409	0.407812294	3.92583427	*Rejected*
Bandwidth 4	2.185227985	0.14214725	3.92583427	*Rejected*
Bandwidth 5	1.195918724	0.277380508	3.95885167	*Rejected*

Jenis *Formant* "saya"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	2.980612866	0.088616461	3.97581015	*Rejected*
Formant 2	4.037785572	0.04829428	3.97581015	*Rejected*
Formant 3	15.21265681	0.000215762	3.97581015	*Rejected*
Formant 4	7.097100531	0.009548221	3.97581015	*Rejected*
Formant 5	0.251252115	0.618351598	4.03039259	*Accepted*
Bandwidth 1	40.77962433	1.54E-08	3.97581015	*Rejected*
Bandwidth 2	1.711759854	0.194976918	3.97581015	*Rejected*
Bandwidth 3	0.093682409	0.760442619	3.97581015	*Accepted*
Bandwidth 4	22.33845453	1.12E-05	3.97581015	*Rejected*
Bandwidth 5	0.046515323	0.830102033	4.03039259	*Accepted*

Jenis *Formant* "dari"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	7.850129131	0.005512775	3.88202952	*Rejected*
Formant 2	0.07071873	0.790530365	3.88202952	*Accepted*
Formant 3	17.19275547	4.74E-05	3.88202952	*Rejected*
Formant 4	12.81571738	0.000419238	3.8822073	*Rejected*
Formant 5	24.15489148	3.36E-06	3.93333667	*Rejected*
Bandwidth 1	9.206297357	0.002687827	3.88202952	*Rejected*
Bandwidth 2	28.69301532	2.05E-07	3.88202952	*Rejected*
Bandwidth 3	46.99659252	6.42E-11	3.88202952	*Rejected*
Bandwidth 4	19.96721028	1.24E-05	3.8822073	*Rejected*
Bandwidth 5	9.955474241	0.002102759	3.93333667	*Rejected*

Jenis *Formant* "kepolisian"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	12.70086095	0.000452816	3.88633698	*Rejected*

Formant 2	5.428104043	0.020769449	3.88633698	*Rejected*
Formant 3	4.929539799	0.027475447	3.88633698	*Rejected*
Formant 4	0.087863665	0.767206594	3.88655461	*Accepted*
Formant 5	16.42522878	8.44E-05	3.9102342	*Rejected*
Bandwidth 1	19.91946037	1.32E-05	3.88633698	*Rejected*
Bandwidth 2	23.96596101	1.96E-06	3.88633698	*Rejected*
Bandwidth 3	2.29482071	0.13131707	3.88633698	*Rejected*
Bandwidth 4	0.628558218	0.428788033	3.88655461	*Rejected*
Bandwidth 5	0.333599895	0.564495028	3.9102342	*Accepted*

Jenis *Formant* "mengabarkan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.792863226	0.377417136	4.03039259	*Rejected*
Formant 2	2.261633145	0.138782071	4.03039259	*Rejected*
Formant 3	10.88330232	0.001773837	4.03039259	*Rejected*
Formant 4	12.07852667	0.001050472	4.03039259	*Rejected*
Formant 5	0.071943654	0.790426329	4.18296429	*Accepted*
Bandwidth 1	9.590035742	0.00317677	4.03039259	*Rejected*
Bandwidth 2	36.08689754	2.00E-07	4.03039259	*Rejected*
Bandwidth 3	0.051788527	0.82088969	4.03039259	*Accepted*
Bandwidth 4	0.007883518	0.929597212	4.03039259	*Accepted*
Bandwidth 5	2.750015683	0.108032843	4.18296429	*Rejected*

Jenis *Formant* "bahwa"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	3.271776004	0.076619001	4.03839263	*Rejected*
Formant 2	0.528717661	0.470606388	4.03839263	*Rejected*
Formant 3	6.905659969	0.0114406	4.03839263	*Rejected*
Formant 4	37.10543707	1.69E-07	4.03839263	*Rejected*
Formant 5	107.3561175	1.01E-10	4.22520127	*Rejected*
Bandwidth 1	11.45978328	0.001408183	4.03839263	*Rejected*
Bandwidth 2	6.677976281	0.012792503	4.03839263	*Rejected*
Bandwidth 3	26.52153821	4.62E-06	4.03839263	*Rejected*
Bandwidth 4	6.430850655	0.014454426	4.03839263	*Rejected*
Bandwidth 5	1.7698189	0.194956248	4.22520127	*Rejected*

Jenis *Formant* "anak"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	4.296633315	0.041079643	3.94808435	*Rejected*
Formant 2	1.246054576	0.267312093	3.94808435	*Rejected*
Formant 3	4.090052982	0.046138297	3.94808435	*Rejected*
Formant 4	5.884652815	0.017291656	3.94808435	*Rejected*
Formant 5	50.28462827	9.50E-09	4.06704743	*Rejected*
Bandwidth 1	7.399814583	0.007844266	3.94808435	*Rejected*
Bandwidth 2	3.889246549	0.051701063	3.94808435	*Rejected*
Bandwidth 3	44.15667205	2.35E-09	3.94808435	*Rejected*
Bandwidth 4	1.213162719	0.273676526	3.94808435	*Rejected*
Bandwidth 5	2.047922616	0.159641989	4.06704743	*Rejected*

Jenis *Formant* "bapak"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	24.30974997	1.62E-06	3.88427088	*Rejected*
Formant 2	2.07582341	0.15107734	3.88427088	*Rejected*
Formant 3	8.283552373	0.004396715	3.88427088	*Rejected*
Formant 4	6.186012236	0.013622814	3.88427088	*Rejected*
Formant 5	31.84718114	1.04E-07	3.91572675	*Rejected*
Bandwidth 1	6.104551609	0.014246651	3.88427088	*Rejected*
Bandwidth 2	18.8234103	2.19E-05	3.88427088	*Rejected*
Bandwidth 3	9.481955539	0.002340427	3.88427088	*Rejected*
Bandwidth 4	1.908947368	0.168488086	3.88427088	*Rejected*
Bandwidth 5	1.591766907	0.209386205	3.91572675	*Rejected*

Jenis *Formant* "kecelakaan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	19.04589066	2.59E-05	3.91455916	*Rejected*
Formant 2	5.717151302	0.018244453	3.91455916	*Rejected*
Formant 3	44.57603912	6.57E-10	3.91455916	*Rejected*
Formant 4	138.8148974	3.34E-22	3.91455916	*Rejected*
Formant 5	3.012304318	0.086175339	3.95058668	*Rejected*
Bandwidth 1	60.84628592	1.83E-12	3.91455916	*Rejected*
Bandwidth 2	29.30566102	2.91E-07	3.91455916	*Rejected*
Bandwidth 3	17.15452863	6.19E-05	3.91455916	*Rejected*
Bandwidth 4	3.641472779	0.058579076	3.91455916	*Rejected*
Bandwidth 5	2.639593943	0.107847782	3.95058668	*Rejected*

Jenis *Formant* "harus"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.152400994	0.697057564	3.93333667	*Accepted*
Formant 2	54.74072573	3.84E-11	3.93333667	*Rejected*
Formant 3	18.2928446	4.25E-05	3.93333667	*Rejected*
Formant 4	40.56133368	5.40E-09	3.93333667	*Rejected*
Formant 5	89.50610068	3.59E-12	4.06170646	*Rejected*
Bandwidth 1	12.31087571	0.000669091	3.93333667	*Rejected*
Bandwidth 2	43.58020123	1.81E-09	3.93333667	*Rejected*
Bandwidth 3	23.38800295	4.65E-06	3.93333667	*Rejected*
Bandwidth 4	3.739504843	0.055884825	3.93333667	*Rejected*
Bandwidth 5	10.10129912	0.002710966	4.06170646	*Rejected*

Jenis *Formant* "dilakukan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	25.75381852	1.51E-06	3.92359851	*Rejected*
Formant 2	4.502811948	0.035985461	3.92359851	*Rejected*
Formant 3	0.188340952	0.665114125	3.92359851	*Accepted*
Formant 4	5.377232634	0.022167487	3.92359851	*Rejected*
Formant 5	45.4998728	2.18E-09	3.96035242	*Rejected*
Bandwidth 1	10.6045733	0.001482638	3.92359851	*Rejected*
Bandwidth 2	0.085920409	0.769957306	3.92359851	*Accepted*
Bandwidth 3	0.321826065	0.571618056	3.92359851	*Accepted*
Bandwidth 4	5.687145713	0.018725109	3.92359851	*Rejected*
Bandwidth 5	0.2237384	0.637494148	3.96035242	*Accepted*

Jenis *Formant* "penanganan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	10.86535059	0.002591787	4.18296429	*Rejected*
Formant 2	0.796385813	0.379521701	4.18296429	*Rejected*
Formant 3	18.5459303	0.000173093	4.18296429	*Rejected*
Formant 4	13.06920776	0.001124801	4.18296429	*Rejected*
Formant 5	24.53013354	5.24E-05	4.27934431	*Rejected*
Bandwidth 1	31.07970334	5.14E-06	4.18296429	*Rejected*
Bandwidth 2	7.719916442	0.00948035	4.18296429	*Rejected*

Bandwidth 3	0.996609975	0.326389702	4.18296429	*Rejected*
Bandwidth 4	2.393464065	0.132688045	4.18296429	*Rejected*
Bandwidth 5	0.005012417	0.944170195	4.27934431	*Accepted*

Jenis *Formant* "yang"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	103.9457105	3.63E-18	3.91632464	*Rejected*
Formant 2	3.027498238	0.084305842	3.91632464	*Rejected*
Formant 3	0.07746907	0.781213248	3.91632464	*Rejected*
Formant 4	21.53095134	8.60E-06	3.91632464	*Rejected*
Formant 5	87.36660947	2.29E-14	3.96347205	*Rejected*
Bandwidth 1	0.003036543	0.956142221	3.91632464	*Accepted*
Bandwidth 2	0.030451926	0.86174884	3.91632464	*Accepted*
Bandwidth 3	26.65175659	9.23E-07	3.91632464	*Rejected*
Bandwidth 4	0.005250688	0.942349438	3.91632464	*Accepted*
Bandwidth 5	26.88744468	1.66E-06	3.96347205	*Rejected*

Jenis *Formant* "serius"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	1.606748536	0.210940234	4.03839263	*Rejected*
Formant 2	24.87866833	8.07E-06	4.03839263	*Rejected*
Formant 3	37.50004952	1.51E-07	4.03839263	*Rejected*
Formant 4	3.4584625	0.068937653	4.03839263	*Rejected*
Formant 5	37.24175793	3.17E-06	4.27934431	*Rejected*
Bandwidth 1	39.22493682	9.19E-08	4.03839263	*Rejected*
Bandwidth 2	1.268534259	0.265527794	4.03839263	*Rejected*
Bandwidth 3	19.72215357	5.10E-05	4.03839263	*Rejected*
Bandwidth 4	3.123411114	0.083402251	4.03839263	*Rejected*
Bandwidth 5	11.25930583	0.002738116	4.27934431	*Rejected*

Jenis *Formant* "dan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	83.92392902	1.01E-15	3.91455916	*Rejected*
Formant 2	2.052860052	0.154339523	3.91455916	*Rejected*
Formant 3	18.94260652	2.72E-05	3.91455916	*Rejected*
Formant 4	3.175922121	0.077083559	3.91455916	*Rejected*
Formant 5	27.90162184	8.65E-07	3.9456942	*Rejected*

Bandwidth 1	0.191106761	0.662728005	3.91455916	*Accepted*
Bandwidth 2	0.082907741	0.773857018	3.91455916	*Accepted*
Bandwidth 3	17.42663366	5.45E-05	3.91455916	*Rejected*
Bandwidth 4	5.370589389	0.022054029	3.91455916	*Rejected*
Bandwidth 5	46.6107416	9.45E-10	3.9456942	*Rejected*

Jenis *Formant* "biaya"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	10.38393925	0.001507622	3.89334871	*Rejected*
Formant 2	29.51562411	1.77E-07	3.89334871	*Rejected*
Formant 3	16.49393492	7.26E-05	3.89334871	*Rejected*
Formant 4	13.59040791	0.000300756	3.89363988	*Rejected*
Formant 5	0.829274022	0.364420987	3.92507562	*Rejected*
Bandwidth 1	47.69555257	8.15E-11	3.89334871	*Rejected*
Bandwidth 2	1.158738946	0.283159909	3.89334871	*Rejected*
Bandwidth 3	0.171092716	0.679632173	3.89334871	*Accepted*
Bandwidth 4	11.94215472	0.000684528	3.89363988	*Rejected*
Bandwidth 5	18.72919881	3.27E-05	3.92507562	*Rejected*

Jenis *Formant* "secepatnya"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	18.96684767	2.74E-05	3.91693224	*Rejected*
Formant 2	9.194580683	0.002951952	3.91693224	*Rejected*
Formant 3	18.17415782	3.94E-05	3.91693224	*Rejected*
Formant 4	0.211678981	0.646253904	3.91693224	*Accepted*
Formant 5	17.4042394	6.79E-05	3.94340885	*Rejected*
Bandwidth 1	9.807654253	0.002164593	3.91693224	*Rejected*
Bandwidth 2	3.204904454	0.07583852	3.91693224	*Rejected*
Bandwidth 3	1.925348976	0.167736875	3.91693224	*Rejected*
Bandwidth 4	1.777362133	0.1848982	3.91693224	*Rejected*
Bandwidth 5	0.212200493	0.646123498	3.94340885	*Accepted*

Jenis *Formant* "bapak"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	20.77615648	3.94E-05	4.05661246	*Rejected*
Formant 2	10.46052196	0.002287409	4.05661246	*Rejected*

Formant 3	36.62566912	2.61E-07	4.05661246	*Rejected*
Formant 4	15.23823274	0.000314407	4.05661246	*Rejected*
Formant 5	33.14352748	1.78E-06	4.13001775	*Rejected*
Bandwidth 1	9.105696263	0.004183831	4.05661246	*Rejected*
Bandwidth 2	14.78140449	0.000376856	4.05661246	*Rejected*
Bandwidth 3	34.67243602	4.57E-07	4.05661246	*Rejected*
Bandwidth 4	5.818550741	0.019997514	4.05661246	*Rejected*
Bandwidth 5	0.485121399	0.490846319	4.13001775	*Rejected*

Jenis *Formant* "harus"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	27.23290378	1.06E-06	3.94122155	*Rejected*
Formant 2	1.369139978	0.244886789	3.94122155	*Rejected*
Formant 3	3.454977335	0.066157491	3.94122155	*Rejected*
Formant 4	14.05238415	0.000305334	3.94122155	*Rejected*
Formant 5	46.95418931	5.61E-09	4.00986792	*Rejected*
Bandwidth 1	0.074408059	0.78561562	3.94122155	*Accepted*
Bandwidth 2	1.439087052	0.233270456	3.94122155	*Rejected*
Bandwidth 3	13.66095252	0.000366138	3.94122155	*Rejected*
Bandwidth 4	6.284803319	0.013875792	3.94122155	*Rejected*
Bandwidth 5	4.07135728	0.048332629	4.00986792	*Rejected*

Jenis *Formant* "mengirimkan"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	6.085953445	0.016270364	3.98855983	*Rejected*
Formant 2	0.596034874	0.442892868	3.98855983	*Rejected*
Formant 3	95.01211052	2.44E-14	3.98855983	*Rejected*
Formant 4	27.35991962	1.93E-06	3.98855983	*Rejected*
Formant 5	82.36594276	1.36E-12	4.01297338	*Rejected*
Bandwidth 1	1.109414965	0.296108919	3.98855983	*Rejected*
Bandwidth 2	0.008192384	0.928158868	3.98855983	*Accepted*
Bandwidth 3	0.958414505	0.331216417	3.98855983	*Rejected*
Bandwidth 4	16.67834601	0.000123759	3.98855983	*Rejected*
Bandwidth 5	3.026414999	0.08741277	4.01297338	*Rejected*

Jenis *Formant* "uang"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	1.762658077	0.187118841	3.92984383	*Rejected*
Formant 2	0.951052879	0.331651067	3.92984383	*Rejected*
Formant 3	4.404347418	0.038200759	3.92984383	*Rejected*
Formant 4	0.204637814	0.651918896	3.92984383	*Accepted*
Formant 5	0.011042932	0.916647314	3.99588713	*Accepted*
Bandwidth 1	0.923466942	0.338732884	3.92984383	*Rejected*
Bandwidth 2	2.64931997	0.1065354	3.92984383	*Rejected*
Bandwidth 3	9.189067399	0.003054029	3.92984383	*Rejected*
Bandwidth 4	4.916337184	0.028718457	3.92984383	*Rejected*
Bandwidth 5	1.162564452	0.285111488	3.99588713	*Rejected*

Jenis *Formant* "sejumlah"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	12.74683348	0.000788179	4.03039259	*Rejected*
Formant 2	1.278355642	0.263494169	4.03039259	*Rejected*
Formant 3	11.88240829	0.00114373	4.03039259	*Rejected*
Formant 4	9.494848683	0.003318296	4.03039259	*Rejected*
Formant 5	5.054126687	0.03207097	4.17087679	*Rejected*
Bandwidth 1	41.40066376	4.26E-08	4.03039259	*Rejected*
Bandwidth 2	4.13363661	0.047259348	4.03039259	*Rejected*
Bandwidth 3	5.451543298	0.023525088	4.03039259	*Rejected*
Bandwidth 4	0.34474257	0.559694917	4.03039259	*Accepted*
Bandwidth 5	0.000296267	0.986381122	4.17087679	*Accepted*

Jenis *Formant* "lima"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.292418498	0.591283917	4.05174869	*Accepted*
Formant 2	0.229500656	0.634163911	4.05174869	*Accepted*
Formant 3	42.70475854	4.55E-08	4.05174869	*Rejected*
Formant 4	20.61784298	4.03E-05	4.05174869	*Rejected*
Formant 5	6.54009698	0.017959657	4.3009495	*Rejected*
Bandwidth 1	11.68343688	0.001329791	4.05174869	*Rejected*
Bandwidth 2	1.72989917	0.194942463	4.05174869	*Rejected*
Bandwidth 3	14.50039194	0.000413261	4.05174869	*Rejected*
Bandwidth 4	6.596305101	0.01353105	4.05174869	*Rejected*
Bandwidth 5	1.467777723	0.23854958	4.3009495	*Rejected*

Jenis *Formant* "puluh"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	6.064507677	0.015593871	3.94122155	*Rejected*
Formant 2	17.98501024	5.17E-05	3.94122155	*Rejected*
Formant 3	23.92926749	4.07E-06	3.94122155	*Rejected*
Formant 4	1.058417602	0.306333359	3.94687573	*Rejected*
Formant 5	49.58921191	5.71E-09	4.03839263	*Rejected*
Bandwidth 1	31.58333314	1.90E-07	3.94122155	*Rejected*
Bandwidth 2	14.36435556	0.000264363	3.94122155	*Rejected*
Bandwidth 3	7.063730405	0.009229343	3.94122155	*Rejected*
Bandwidth 4	0.01837802	0.892467487	3.94687573	*Accepted*
Bandwidth 5	16.3531659	0.000185603	4.03839263	*Rejected*

Jenis *Formant* "juta"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	0.001255074	0.971973911	4.17087679	*Accepted*
Formant 2	2.432320385	0.129345123	4.17087679	*Rejected*
Formant 3	0.756647443	0.39128664	4.17087679	*Rejected*
Formant 4	1.991478603	0.168473541	4.17087679	*Rejected*
Formant 5	11.44333151	0.002809181	4.32479374	*Rejected*
Bandwidth 1	0.3589352	0.553595944	4.17087679	*Accepted*
Bandwidth 2	0.848029841	0.364456719	4.17087679	*Accepted*
Bandwidth 3	17.41129922	0.00023708	4.17087679	*Rejected*
Bandwidth 4	0.02064045	0.886723481	4.17087679	*Accepted*
Bandwidth 5	22.66217175	0.000105716	4.32479374	*Rejected*

Jenis *Formant* "ke"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	18.10126868	7.59E-05	4.0039825	*Rejected*
Formant 2	3.582374015	0.063304409	4.0039825	*Rejected*
Formant 3	0.527830923	0.470392879	4.0039825	*Rejected*
Formant 4	1.364439252	0.247468166	4.0039825	*Rejected*
Formant 5	67.38696116	4.99E-10	4.09127856	*Rejected*
Bandwidth 1	25.86798467	3.98E-06	4.0039825	*Rejected*
Bandwidth 2	4.686743588	0.034452872	4.0039825	*Rejected*
Bandwidth 3	14.32698644	0.0003618	4.0039825	*Rejected*
Bandwidth 4	0.038576809	0.844964402	4.0039825	*Accepted*
Bandwidth 5	2.427625815	0.127292182	4.09127856	*Rejected*

Jenis *Formant* "nomor"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	11.37898457	0.001177919	3.96847099	*Rejected*
Formant 2	8.059374188	0.005821826	3.96847099	*Rejected*
Formant 3	0.643002513	0.42515906	3.96847099	*Rejected*
Formant 4	5.292846293	0.024194394	3.96847099	*Rejected*
Formant 5	78.34344614	6.97E-12	4.03039259	*Rejected*
Bandwidth 1	1.691028721	0.197447252	3.96847099	*Rejected*
Bandwidth 2	0.269783236	0.605006721	3.96847099	*Accepted*
Bandwidth 3	3.016488856	0.086527367	3.96847099	*Rejected*
Bandwidth 4	7.812415932	0.00658516	3.96847099	*Rejected*
Bandwidth 5	3.169158665	0.080998691	4.03039259	*Rejected*

Jenis *Formant* "rekening"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	15.4752515	0.000133993	3.91233076	*Rejected*
Formant 2	6.427741055	0.01239281	3.91233076	*Rejected*
Formant 3	3.025285064	0.084289522	3.91233076	*Rejected*
Formant 4	0.184769832	0.668001393	3.91233076	*Accepted*
Formant 5	0.024536679	0.876157883	4.03430971	*Accepted*
Bandwidth 1	13.53517281	0.000338943	3.91233076	*Rejected*
Bandwidth 2	2.775052392	0.098097166	3.91233076	*Rejected*
Bandwidth 3	23.42977435	3.54E-06	3.91233076	*Rejected*
Bandwidth 4	36.62228461	1.37E-08	3.91233076	*Rejected*
Bandwidth 5	1.812433925	0.184288503	4.03430971	*Rejected*

Jenis *Formant* "ini"	Ratio F	P-Value	F-Critical	Conclution
Formant 1	15.4752515	0.000133993	3.91233076	*Rejected*
Formant 2	6.427741055	0.01239281	3.91233076	*Rejected*
Formant 3	3.025285064	0.084289522	3.91233076	*Rejected*
Formant 4	0.184769832	0.668001393	3.91233076	*Accepted*
Formant 5	0.024536679	0.876157883	4.03430971	*Accepted*
Bandwidth 1	13.53517281	0.000338943	3.91233076	*Rejected*
Bandwidth 2	2.775052392	0.098097166	3.91233076	*Rejected*
Bandwidth 3	23.42977435	3.54E-06	3.91233076	*Rejected*
Bandwidth 4	36.62228461	1.37E-08	3.91233076	*Rejected*
Bandwidth 5	1.812433925	0.184288503	4.03430971	*Rejected*

b. Analisis *Likelihood Ratio* (LR)

Tabel Lampiran 4. 4 Rekaman Suara Barang Bukti dengan Suara Pembanding (tersangka A)

Formant kata "selamat"	P-*value* = *p* *(E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	5.18E-07	0.999999482	5.18E-07	*Very Strong evidence against*
F2	0.374809572	0.625190428	0.599512652	*Moderately strong evidence against*
F3	0.061798175	0.938201825	0.065868743	*Moderately strong evidence against*
F4	0.051273851	0.948726149	0.054044943	*Moderately strong evidence against*
F5	1.08E-13	1	1.08E-13	*Very Strong evidence against*
B1	0.282348535	0.717651465	0.393434068	*Moderate evidence against*
B2	0.037359333	0.962640667	0.038809219	*Moderately strong evidence against*
B3	0.048704345	0.951295655	0.051197906	*Moderately strong evidence against*
B4	3.17E-06	0.999996826	3.17E-06	*Very Strong evidence against*
B5	1.65E-05	0.999983461	1.65E-05	*Very Strong evidence against*

Formant kata "siang"	P-*value* = *p* *(E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	9.67E-05	9.67E-05	9.67E-05	*Very Strong evidence against*
F2	0.091783058	0.908216942	0.101058517	*Moderate evidence against*
F3	0.314548957	0.685451043	0.458893395	*Moderate evidence against*
F4	0.105289801	0.894710199	0.117680341	*Moderate evidence against*
F5	4.27E-13	1	4.27E-13	*Very Strong evidence against*
B1	0.040435475	0.959564525	0.042139401	*Moderately strong evidence against*
B2	0.932035772	0.067964228	13.71362264	*Very Strong evidence against*
B3	0.00960163	0.99039837	0.009694715	*Strong evidence against*
B4	0.00518669	0.99481331	0.005213732	*Strong evidence against*
B5	0.80052539	0.19947461	4.013169356	*Very Strong evidence against*

Formant kata "saya"	P-*value* = *p* *(E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.874889441	0.125110559	6.992930455	*Limited evidence to support*
F2	1.82E-05	0.999981778	1.82E-05	*Very Strong evidence against*
F3	2.55E-06	0.999997447	2.55E-06	*Very Strong evidence against*

F4	0.052452593	0.947547407	0.055356167	*Moderately Strong evidence against*
F5	3.44E-05	0.999965649	3.44E-05	*Very Strong evidence against*
B1	0.236775618	0.763224382	0.310230678	*Moderately Strong evidence against*
B2	0.040648734	0.959351266	0.042371065	*Moderately Strong evidence against*
B3	0.052839478	0.947160522	0.055787247	*Moderately Strong evidence against*
B4	0.005803665	0.994196335	0.005837544	*Strong evidence against*
B5	5.97E-07	0.999999403	5.97E-07	*Very Strong evidence against*

Formant kata "dari"	P-*value = p (E| Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.474244452	0.525755548	0.902024627	*Limited evidence to support*
F2	0.091652092	0.908347908	0.100899767	*Moderate evidence against*
F3	4.23E-12	1	4.23E-12	*Very Strong evidence against*
F4	9.71E-18	1	9.71E-18	*Very Strong evidence against*
F5	0.009717827	0.990282173	0.00981319	*Very Strong evidence against*
B1	0.462075593	0.537924407	0.858997262	*Limited evidence to support*
B2	0.00648309	0.99351691	0.006525394	*Very Strong evidence against*
B3	0.00160048	0.99839952	0.001603046	*Very Strong evidence against*
B4	9.37E-06	0.999990631	9.37E-06	*Very Strong evidence against*
B5	0.719882496	0.280117504	2.56993042	*Limited evidence to support*

Formant kata "kepolisian"	P-*value = p (E| Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.000192912	0.999807088	0.000192949	*Very Strong evidence against*
F2	0.526117959	0.473882041	1.110229789	*Limited evidence to support*
F3	0.001984784	0.998015216	0.001988731	*Very Strong evidence against*

F4	6.58E-11	1	6.58E-11	*Very Strong evidence against*
F5	3.55E-19	1	3.55E-19	*Very Strong evidence against*
B1	0.014575065	0.985424935	0.01479064	*Very Strong evidence against*
B2	0.137094601	0.862905399	0.158875586	*Very Strong evidence against*
B3	0.261810872	0.738189128	0.354666389	*Very Strong evidence against*
B4	0.003752932	0.996247068	0.00376707	*Very Strong evidence against*
B5	3.95E-10	1	3.95E-10	*Very Strong evidence against*

Formant kata "mengabarkan"	P-*value = p (E | Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.882935639	0.117064361	7.542309486	*Moderate evidence against*
F2	0.83569739	0.16430261	5.086330586	*Moderate evidence against*
F3	0.927918736	0.072081264	12.87323071	*Moderate evidence against*
F4	0.585223075	0.414776925	1.410934505	*Limited evidence to support*
F5	3.15E-29	1	3.15E-29	*Very Strong evidence against*
B1	0.000669332	0.999330668	0.00066978	*Strong evidence against*
B2	0.001092125	0.998907875	0.001093319	*Strong evidence against*
B3	0.058127483	0.941872517	0.061714809	*Strong evidence against*
B4	0.000656772	0.999343228	0.000657203	*Strong evidence against*
B5	2.86E-11	1	2.86E-11	*Very Strong evidence against*

Formant kata "bahwa"	P-*value = p (E | Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.005638894	0.994361106	0.005670872	*Strong evidence against*
F2	0.153006152	0.846993848	0.18064612	*Moderate evidence against*
F3	0.17361511	0.82638489	0.210089889	*Moderate evidence against*
F4	0.177384595	0.822615405	0.215634906	*Moderate evidence against*
F5	7.42E-08	0.999999926	7.42E-08	*Very Strong evidence against*

B1	0.007957132	0.992042868	0.008020956	*Very Strong evidence against*
B2	0.324480339	0.675519661	0.480341813	*Moderate evidence against*
B3	0.534779169	0.465220831	1.149516817	*Limited evidence to support*
B4	0.130729087	0.869270913	0.15038935	*Moderate evidence against*
B5	0.007878754	0.992121246	0.007941322	*Very Strong evidence against*

Formant kata "anak"	P-*value = p (E | Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.004562247	0.995437753	0.004583157	*Strong evidence against*
F2	0.047033415	0.952966585	0.049354737	*Moderately strong evidence against*
F3	0.000105989	0.999894011	0.000106	*Moderate evidence against*
F4	0.106011286	0.893988714	0.118582353	*Moderate evidence against*
F5	1.47E-17	1	1.47E-17	*Very Strong evidence against*
B1	2.68E-07	0.999999732	2.68E-07	*Very Strong evidence against*
B2	0.799502862	0.200497138	3.987602355	*Strong evidence against*
B3	0.065088012	0.934911988	0.069619401	*Strong evidence against*
B4	0.934394148	0.065605852	14.24254279	*Strong evidence against*
B5	3.80E-06	0.9999962	3.80E-06	*Very Strong evidence against*

Formant kata "bapak"	P-*value = p (E | Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.000274502	0.999725498	0.000274577	*Strong evidence against*
F2	0.000245348	0.999754652	0.000245408	*Moderately strong evidence against*
F3	0.64108653	0.35891347	1.786186874	*Moderate evidence against*
F4	0.686941493	0.313058507	2.194291093	*Moderate evidence against*
F5	1.73E-08	0.999999983	1.73E-08	*Very Strong evidence against*
B1	0.080908641	0.919091359	0.08803112	*Very Strong evidence against*
B2	0.99138334	0.00861666	115.0542523	*Strong evidence against*
B3	0.001769076	0.998230924	0.001772212	*Strong evidence against*
B4	0.039189271	0.960810729	0.040787712	*Strong evidence against*
B5	0.00055648	0.99944352	0.00055679	*Very Strong evidence against*

Formant kata "kecelakaan"	P-*value = p (E | Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.363603848	0.636396152	0.571348281	*Moderate evidence against*

F2	0.016352415	0.983647585	0.016624261	*Moderately strong evidence against*
F3	0.091228407	0.908771593	0.100386508	*Moderate evidence against*
F4	0.03265154	0.96734846	0.033753649	*Moderate evidence against*
F5	3.35E-18	1	3.35E-18	*Very Strong evidence against*
B1	0.000223535	0.999776465	0.000223585	*Strong evidence against*
B2	0.294534857	0.705465143	0.41750448	*Moderate evidence against*
B3	0.057420347	0.942579653	0.060918297	*Strong evidence against*
B4	0.00330389	0.99669611	0.003314842	*Strong evidence against*
B5	4.033633888	0.953694543	0.048553761	*Strong evidence against*

Formant kata "harus"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	2.57E-07	0.999999743	2.57E-07	*Very Strong evidence against*
F2	0.007461303	0.992538697	0.007517392	*Moderately strong evidence against*
F3	9.74E-06	0.999990263	9.74E-06	*Very Strong evidence against*
F4	0.348039353	0.651960647	0.53383491	*Moderate evidence against*
F5	2.25E-10	1	2.25E-10	*Very Strong evidence against*
B1	6.46E-05	0.999935412	6.46E-05	*Very Strong evidence against*
B2	0.002475369	0.997524631	0.002481512	*Moderate evidence against*
B3	2.64E-79	1	2.64E-79	*Very Strong evidence against*
B4	0.337205812	0.662794188	0.508763985	*Strong evidence against*
B5	0.001282065	0.998717935	0.00128371	*Moderately strong evidence against*

Formant kata "dilakukan"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.000199411	0.999800589	0.000199451	*Strong evidence against*
F2	2.14E-08	0.999999979	2.14E-08	*Very Strong evidence against*
F3	6.47E-07	0.999999353	6.47E-07	*Very Strong evidence against*
F4	0.007614495	0.992385505	0.007672921	*Strong evidence against*
F5	3.62E-14	1	3.62E-14	*Very Strong evidence against*
B1	2.82E-11	1	2.82E-11	*Very Strong evidence against*
B2	0.290548339	0.709451661	0.409539304	*Moderate evidence against*
B3	0.002940148	0.997059852	0.002948818	*Strong evidence against*

B4	7.72E-06	0.999992279	7.72E-06	*Very Strong evidence against*
B5	0.000326777	0.999673223	0.000326884	*Strong evidence against*

Formant kata "penanganan"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.892270196	0.107729804	8.282482294	*Strong evidence against*
F2	0.190134436	0.809865564	0.234772837	*Moderately strong evidence against*
F3	5.70E-05	0.999942971	5.70E-05	*Very Strong evidence against*
F4	0.019967443	0.980032557	0.020374265	*Moderate evidence against*
F5	6.94E-06	0.999993064	6.94E-06	*Very Strong evidence against*
B1	2.01E-11	1	2.01E-11	*Very Strong evidence against*
B2	0.996301696	0.003698304	269.3941999	*Moderate evidence against*
B3	0.00059937	0.99940063	0.00059973	*Moderate evidence against*
B4	0.130111851	0.869888149	0.149573082	*Moderately strong evidence against*
B5	0.00067229	0.99932771	0.000672742	*Moderate evidence against*

Formant kata "yang"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.264998439	0.735001561	0.360541329	*Strong evidence against*
F2	0.05220933	0.94779067	0.055085296	*Moderately strong evidence against*
F3	0.506208004	0.493791996	1.025144207	*Moderate evidence against*
F4	0.542749229	0.457250771	1.186983736	*Moderate evidence against*
F5	0.024538794	0.975461206	0.025156094	*Moderately strong evidence against*
B1	4.32E-15	1	4.32E-15	*Very Strong evidence against*
B2	0.354097859	0.645902141	0.548222149	*Moderate evidence against*
B3	0.525822224	0.474177776	1.108913683	*Moderate evidence against*
B4	0.001881816	0.998118184	0.001885364	*Moderately strong evidence against*
B5	0.044914604	0.955085396	0.047026794	*Moderate evidence against*

Formant kata "serius"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.000941522	0.999058478	0.000942409	*Moderately strong evidence against*
F2	0.396579458	0.603420542	0.65721902	*Moderate evidence against*
F3	0.831068817	0.168931183	4.919570228	*Limited evidence to support*
F4	0.267412266	0.732587734	0.36502422	*Moderate evidence against*
F5	0.371146674	0.628853326	0.590195931	*Moderate evidence against*

B1	3.88E-14	1	3.88E-14	*Very Strong evidence against*
B2	0.820859054	0.179140946	4.582196707	*Limited evidence to support*
B3	0.000638122	0.999361878	0.000638529	*Moderately strong evidence against*
B4	0.086898196	0.913101804	0.095168135	*Moderate evidence against*
B5	7.03E-18	1	7.03E-18	*Very Strong evidence against*

Formant kata "dan"	P-*value = p (E | Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.051092024	0.948907976	0.05384297	*Moderately strong evidence against*
F2	0.021855629	0.978144371	0.022343971	*Moderately strong evidence against*
F3	2.97E-05	0.999970257	2.97E-05	*Very Strong evidence against*
F4	0.688126733	0.311873267	2.206430648	*Limited evidence to support*
F5	6.83E-12	1	6.83E-12	*Very Strong evidence against*
B1	0.009477247	0.990522753	0.009567925	*Moderately strong evidence against*
B2	0.425702785	0.574297215	0.741258662	*Moderate evidence against*
B3	0.001430284	0.998569716	0.001432332	*Moderately strong evidence against*
B4	0.163894464	0.836105536	0.196021264	*Moderate evidence against*
B5	0.029343775	0.970656225	0.030230863	*Moderately strong evidence against*

Formant kata "biaya"	P-*value = p (E | Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.07370841	0.92629159	0.079573658	*Moderately strong evidence against*
F2	0.00143723	0.99856277	0.001439299	*Moderately strong evidence against*
F3	6.15E-12	1	6.15E-12	*Very Strong evidence against*
F4	9.30E-11	1	9.30E-11	*Very Strong evidence against*
F5	0.026537882	0.973462118	0.02726134	*Moderately strong evidence against*
B1	3.95E-13	1	3.95E-13	*Very Strong evidence against*
B2	0.155874741	0.844125259	0.184658307	*Moderate evidence against*
B3	0.001249135	0.998750865	0.001250697	*Moderately strong evidence against*
B4	0.182537641	0.817462359	0.223297916	*Moderate evidence against*
B5	9.47E-06	0.999990529	9.47E-06	*Very Strong evidence against*

Formant kata "secepatnya"	P-*value* = *p* *(E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.174004182	0.825995818	0.210659882	*Moderate evidence against*
F2	8.00E-07	0.9999992	8.00E-07	*Very Strong evidence against*
F3	3.55E-07	0.999999645	3.55E-07	*Very Strong evidence against*
F4	0.119195916	0.880804084	0.135326253	*Moderate evidence against*
F5	2.28E-07	0.999999772	2.28E-07	*Very Strong evidence against*
B1	0.000183074	0.999816926	0.000183107	*Moderately strong evidence against*
B2	0.008371555	0.991628445	0.00844223	*Moderately strong evidence against*
B3	0.003394223	0.996605777	0.003405783	*Moderately strong evidence against*
B4	0.000406641	0.999593359	0.000406807	*Moderately strong evidence against*
B5	2.89E-08	0.999999971	2.89E-08	*Very Strong evidence against*

Formant kata "bapak"	P-*value* = *p* *(E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.003633121	0.996366879	0.003646369	*Moderately strong evidence against*
F2	0.139748108	0.860251892	0.162450218	*Moderate evidence against*
F3	1.32E-07	0.999999868	1.32E-07	*Very Strong evidence against*
F4	0.003725227	0.996274773	0.003739156	*Moderately strong evidence against*
F5	0.004199717	0.995800283	0.004217429	*Moderately strong evidence against*
B1	6.90E-07	0.99999931	6.90E-07	*Very Strong evidence against*
B2	0.294084622	0.705915378	0.41660039	*Moderate evidence against*
B3	0.006624899	0.993375101	0.006669081	*Moderately strong evidence against*
B4	0.884460195	0.115539805	7.655025879	*Limited evidence to support*
B5	0.000269643	0.999730357	0.000269716	*Moderately strong evidence against*

Formant kata "harus"	P-*value* = *p* *(E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.195787843	0.195787843	0.243452976	*Moderate evidence against*
F2	0.010571991	0.989428009	0.010684952	*Moderately strong evidence against*
F3	0.053552127	0.946447873	0.056582226	*Moderately strong evidence against*
F4	0.243452122	0.756547878	0.321793411	*Moderate evidence against*
F5	0.011927723	0.988072277	0.012071711	*Moderately strong evidence against*
B1	0.046765669	0.953234331	0.049059992	*Moderately strong evidence against*
B2	0.594776858	0.405223142	1.467776138	*Limited evidence to support*

B3	7.18E-06	0.999992816	7.18E-06	*Strong evidenceto against*
B4	0.105352983	0.894647017	0.117759274	*Limited evidence to support*
B5	0.013247963	0.986752037	0.013425828	*Moderately strong evidence against*

Formant kata "mengirimkan"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.086779671	0.913220329	0.095025996	*Moderately strong evidence against*
F2	0.008260671	0.991739329	0.008329478	*Moderately strong evidence against*
F3	1.02E-07	0.999999898	1.02E-07	*Very Strong evidence to against*
F4	0.196122004	0.803877996	0.243969863	*Moderate evidence against*
F5	0.746622884	0.253377116	2.946686322	*Limited evidence to support*
B1	1.06E-11	1	1.06E-11	*Very Strong evidence to against*
B2	0.00075571	0.99924429	0.000756281	*Moderately strong evidence against*
B3	0.117998039	0.882001961	0.133784328	*Moderate evidence against*
B4	0.995486495	0.004513505	220.5572897	*Limited evidence to support*
B5	0.004706046	0.995293954	0.004728298	*Moderately strong evidence against*

Formant kata "uang"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.623650198	0.376349802	1.6571025	*Limited evidence to support*
F2	0.748951911	0.251048089	2.98330058	*Limited evidence to support*
F3	2.25E-06	0.999997746	2.25E-06	*Very Strong evidence to against*
F4	0.000700019	0.999299981	0.000700509	*Moderately strong evidence against*
F5	2.13E-10	1	2.13E-10	*Very Strong evidence to against*
B1	0.123836354	0.876163646	0.141339297	*Moderate evidence against*
B2	0.1786031	0.8213969	0.217438244	*Moderate evidence against*
B3	9.71E-11	1	9.71E-11	*Very Strong evidence to against*
B4	0.596550423	0.403449577	1.478624483	*Limited evidence to support*
B5	0.001432331	0.998567669	0.001434385	*Moderately strong evidence against*

Formant kata "sejumlah"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.549358995	0.450641005	1.219061269	*Limited evidence to support*

F2	0.001689761	0.998310239	0.001692621	*Moderately strong evidence against*
F3	5.15E-13	1	5.15E-13	*Very Strong evidence to against*
F4	1.10E-10	1	1.10E-10	*Very Strong evidence to against*
F5	1.42E-14	1	1.42E-14	*Very Strong evidence to against*
B1	2.37E-19	1	2.37E-19	*Very Strong evidence to against*
B2	0.002123472	0.997876528	0.002127991	*Moderately strong evidence against*
B3	0.042289381	0.957710619	0.044156743	*Moderate evidence against*
B4	0.016069534	0.983930466	0.016331981	*Moderate evidence against*
B5	0.000897422	0.999102578	0.000898228	*Moderately strong evidence against*

Formant kata "lima"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.140935921	0.859064079	0.164057518	*Limited evidence to support*
F2	0.002418467	0.997581533	0.00242433	*Moderately strong evidence against*
F3	1.74E-08	0.999999983	1.74E-08	*Very Strong evidence to against*
F4	3.12E-11	1	3.12E-11	*Very Strong evidence to against*
F5	2.28E-11	1	2.28E-11	*Very Strong evidence to against*
B1	2.19E-16	1	2.19E-16	*Very Strong evidence to against*
B2	0.09811407	0.90188593	0.108787671	*Moderate evidence against*
B3	0.003755226	0.996244774	0.00376938	*Moderately strong evidence against*
B4	4.07E-05	0.99995925	4.08E-05	*Very Strong evidence to against*
B5	0.118510502	0.881489498	0.134443465	*Moderately strong evidence against*

Formant kata "puluh"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.192405344	0.807594656	0.238244945	*Moderate evidence against*
F2	0.000847399	0.999152601	0.000848118	*Moderately strong evidence against*
F3	1.42E-08	0.999999986	1.42E-08	*Very Strong evidence to against*
F4	7.07E-05	0.999929319	7.07E-05	*Very Strong evidence to against*
F5	1.30E-10	1	1.30E-10	*Very Strong evidence to against*
B1	1.69E-05	0.999983119	1.69E-05	*Very Strong evidence to against*
B2	0.188642231	0.811357769	0.23250191	*Moderate evidence against*
B3	0.17599748	0.82400252	0.213588522	*Moderate evidence against*
B4	0.51294151	0.48705849	1.053141503	*Limited evidence to support*
B5	0.464011273	0.535988727	0.86571088	*Moderate evidence against*

Formant kata "juta"	P-*value* = *p* *(E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.296451129	0.703548871	0.421365367	*Moderate evidence against*
F2	0.012974598	0.987025402	0.013145151	*Moderately strong evidence against*
F3	5.51E-08	0.999999945	5.51E-08	*Very Strong evidence to against*
F4	3.38E-07	0.999999662	3.38E-07	*Very Strong evidence to against*
F5	4.97E-12	1	4.97E-12	*Very Strong evidence to against*
B1	0.257694981	0.742305019	0.34715511	*Moderate evidence against*
B2	0.004476536	0.995523464	0.004496666	*Moderately strong evidence against*
B3	0.02019632	0.97980368	0.020612619	*Moderate evidence against*
B4	0.58561654	0.41438346	1.413223732	*Limited evidence to support*
B5	0.016849067	0.983150933	0.017137823	*Moderate evidence against*

Formant kata "ke"	P-*value* = *p* *(E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.016877031	0.983122969	0.017166755	*Moderate evidence against*
F2	0.008526707	0.991473293	0.008600037	*Moderately strong evidence against*
F3	0.00618778	0.99381222	0.006226307	*Moderately strong evidence against*
F4	0.000164916	0.999835084	0.000164943	*Moderately strong evidence against*
F5	6.02E-13	1	6.02E-13	*Very Strong evidence to against*
B1	0.00564753	0.99435247	0.005679606	*Moderately strong evidence against*
B2	0.002806658	0.997193342	0.002814557	*Moderately strong evidence against*
B3	0.005912752	0.994087248	0.00594792	*Moderately strong evidence against*
B4	0.244493949	0.755506051	0.323616136	*Moderate evidence against*
B5	0.005778981	0.994221019	0.005812572	*Moderately strong evidence against*

Formant kata "nomor"	P-*value* = *p* *(E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.385827431	0.614172569	0.628206875	*Moderate evidence against*
F2	1.59E-05	0.999984083	1.59E-05	*Very Strong evidence to against*
F3	0.000922099	0.999077901	0.00092295	*Moderately strong evidence against*
F4	6.10E-05	0.999939006	6.10E-05	*Very Strong evidence to against*
F5	0.995802229	0.004197771	237.2216417	*Limited evidence to support*
B1	1.29E-16	1	1.29E-16	*Very Strong evidence to against*
B2	0.4039858	0.5960142	0.677812375	*Moderate evidence against*
B3	0.002306209	0.997693791	0.00231154	*Moderately strong evidence against*

B4	0.39899706	0.60100294	0.663885371	*Moderate evidence against*
B5	0.003260979	0.996739021	0.003271647	*Moderately strong evidence against*

Formant kata "rekening"	P-*value = p (E|Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.751230271	0.248769729	3.019781682	*Limited evidence to support*
F2	0.241001397	0.758998603	0.317525481	*Moderate evidence against*
F3	1.43E-13	1	1.43E-13	*Very Strong evidence to against*
F4	4.50E-05	0.999954982	4.50E-05	*Very Strong evidence to against*
F5	0.001716203	0.998283797	0.001719153	*Moderately strong evidence against*
B1	2.93E-11	1	2.93E-11	*Very Strong evidence to against*
B2	0.478166872	0.521833128	0.916321419	*Moderate evidence against*
B3	0.000485906	0.999514094	0.000486142	*Moderately strong evidence against*
B4	0.02234312	0.97765688	0.022853744	*Moderate evidence against*
B5	0.035557643	0.964442357	0.036868604	*Moderate evidence against*

Formant kata "ini"	P-*value = p (E|Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.119449844	0.880550156	0.135653652	*Moderate evidence against*
F2	0.1250166	0.8749834	0.142878825	*Moderate evidence against*
F3	0.109440633	0.890559367	0.122889767	*Moderate evidence against*
F4	0.558673373	0.441326627	1.265895458	*Limited evidence to support*
F5	6.14E-24	1	6.14E-24	*Very Strong evidence to against*
B1	2.12E-14	1	2.12E-14	*Very Strong evidence to against*
B2	0.086962112	0.913037888	0.095244801	*Moderate evidence against*
B3	0.03069347	0.96930653	0.031665391	*Moderate evidence against*
B4	5.53E-06	0.999994466	5.53E-06	*Very Strong evidence to against*
B5	0.000586509	0.999413491	0.000586854	*Moderately strong evidence against*

Tabel Lampiran 4. 5 Rekaman Suara Barang Bukti dengan Suara Pembanding (tersangka B)

Formant kata "bahwa"	P-*value* = *p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.001899233	0.998100767	0.001902847	*Strong evidence against*
F2	0.089261343	0.910738657	0.098009832	*Moderately strong evidence against*
F3	0.495826454	0.504173546	0.983444012	*Moderate evidence against*
F4	0.286836558	0.713163442	0.402203115	*Strong evidence against*
F5	1.00E-13	1	1.00E-13	*Very Strong evidence against*
B1	0.068508311	0.931491689	0.073546884	*Moderately strong evidence against*
B2	0.156969561	0.843030439	0.18619679	*Moderate evidence against*
B3	0.811318669	0.188681331	4.299941409	*Limited evidence to support*
B4	0.012411696	0.987588304	0.012567682	*Moderately strong evidence against*
B5	0.357000555	0.642999445	0.555211296	*Moderate evidence against*

Formant kata "ini"	P-*value* = *p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.137986617	0.862013383	0.160074796	*Moderate evidence against*
F2	0.574894143	0.425105857	1.352355261	*Limited evidence to support*
F3	0.010263535	0.989736465	0.010369967	*Moderately strong evidence against*
F4	0.326857267	0.673142733	0.485569034	*Moderate evidence against*
F5	0.14151496	0.85848504	0.164842663	*Moderate evidence against*
B1	1.86E-07	0.999999814	1.86E-07	*Very Strong evidence against*
B2	0.102928331	0.897071669	0.114738136	*Moderate evidence against*
B3	0.403930873	0.596069127	0.677657765	*Moderate evidence against*
B4	0.03022147	0.96977853	0.03116327	*Moderately strong evidence against*
B5	0.103292195	0.896707805	0.115190472	*Moderate evidence against*

Formant kata "dilakukan"	P-*value* = *p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	9.99E-08	0.9999999	9.99E-08	*Very Strong evidence against*
F2	0.026035891	0.973964109	0.026731879	*Moderately strong evidence against*

F3	0.048366773	0.951633227	0.050825015	*Moderately strong evidence against*
F4	0.973999258	0.026000742	37.46044119	*Moderate evidence to support*
F5	1.12E-23	1	1.12E-23	*Very Strong evidence against*
B1	0.063743969	0.936256031	0.068083907	*Moderately strong evidence against*
B2	0.693314984	0.306685016	2.260674458	*Limited evidence to support*
B3	0.000253223	0.999746777	0.000253287	*Strong evidence against*
B4	0.000879613	0.999120387	0.000880388	*Strong evidence against*
B5	0.187571056	0.812428944	0.230876875	*Moderate evidence against*

Formant kata "saya"	P-*value = p (E | Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.413523247	0.586476753	0.705097423	*Moderate evidence against*
F2	0.477598999	0.522401001	0.522401001	*Moderate evidence against*
F3	0.412637544	0.587362456	0.702526249	*Moderate evidence against*
F4	0.980085463	0.019914537	49.21457427	*Very Strong evidence against*
F5	0.009674093	0.990325907	0.009768595	*Very Strong evidence against*
B1	0.804848974	0.195151026	4.124236442	*Limited evidence to support*
B2	0.898823886	0.101176114	8.883755791	*Limited evidence to support*
B3	0.066119255	0.933880745	0.070800534	*Moderately strong evidence against*
B4	0.009972554	0.990027446	0.010073007	*Very Strong evidence against*
B5	0.103043148	0.896956852	0.114880831	*Moderate evidence against*

Formant kata "dari"	P-*value = p (E | Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.119613184	0.880386816	0.135864351	*Moderate evidence against*
F2	0.025248899	0.974751101	0.025902919	*Very Strong evidence against*
F3	0.360545207	0.639454793	0.563832206	*Very Strong evidence against*
F4	0.297855552	0.702144448	0.42420837	*Very Strong evidence against*
F5	0.811072464	0.188927536	4.293034685	*Limited evidence to support*
B1	0.097077579	0.902922421	0.107514862	*Moderate evidence against*
B2	0.185633159	0.814366841	0.227947835	*Moderately strong evidence against*
B3	0.182896456	0.817103544	0.223835103	*Moderately strong evidence against*
B4	0.000390126	0.999609874	0.000390278	*Very Strong evidence against*
B5	0.25648627	0.74351373	0.344965075	*Moderate evidence against*

Formant kata "kepolisian"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.185456196	0.814543804	0.227681059	*Moderately strong evidence against*
F2	0.546316893	0.453683107	1.204181694	*Limited evidence to support*
F3	0.002075506	0.997924494	0.002079822	*Very Strong evidence against*
F4	4.29E-05	0.999957052	4.29E-05	*Very Strong evidence against*
F5	0.053906312	0.946093688	0.056977774	*Very Strong evidence against*
B1	0.021629246	0.978370754	0.022107412	*Very Strong evidence against*
B2	0.787800998	0.212199002	3.712557506	*Limited evidence to support*
B3	0.099458321	0.900541679	0.110442774	*Moderately strong evidence against*
B4	0.017138374	0.982861626	0.017437219	*Very Strong evidence against*
B5	0.823093055	0.176906945	4.652689329	*Limited evidence to support*

Tabel Lampiran 4. 6 Rekaman Suara Barang Bukti dengan Suara Pembanding (tersangka C)

Formant kata "bahwa"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.377417136	0.622582864	0.606211892	*Moderate evidence to support*
F2	0.138782071	0.861217929	0.161146286	*Moderate evidence to support*
F3	0.001773837	0.998226163	0.001776989	*Moderately strong evidence against*
F4	0.001050472	0.998949528	0.001051577	*Moderately strong evidence against*
F5	0.790426329	0.209573671	3.771591753	*Limited evidence to support*
B1	0.00317677	0.99682323	0.003186894	*Moderately strong evidence against*
B2	2.00E-07	0.9999998	2.00E-07	*Very Strong evidence against*
B3	0.82088969	0.17911031	4.583151522	*Limited evidence to support*
B4	0.929597212	0.070402788	13.20398293	*Limited evidence to support*
B5	0.108032843	0.891967157	0.121117513	*Moderate evidence against*

Formant kata "ini"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.000133993	0.999866007	0.000134011	*Strong evidence against*

F2	0.01239281	0.98760719	0.012548319	*Moderately strong evidence against*
F3	0.084289522	0.915710478	0.092048222	*Moderately strong evidence against*
F4	0.668001393	0.331998607	2.012060828	*Limited evidence to support*
F5	0.876157883	0.123842117	7.074797369	*Limited evidence to support*
B1	0.000338943	0.999661057	0.000339058	*Strong evidence against*
B2	0.098097166	0.901902834	0.108766889	*Moderate strong evidence against*
B3	3.54E-06	0.999996463	3.54E-06	*Very Strong evidence against*
B4	1.37E-08	0.999999986	1.37E-08	*Very Strong evidence against*
B5	0.184288503	0.815711497	0.225923631	*Moderate evidence against*

Formant kata "dilakukan"	P-*value = p (E| Hp)*	p (E | Hd)	LR	*Verbal Statement*
F1	0.697057564	0.302942436	2.300957145	*Limited evidence to support*
F2	3.84E-11	1	3.84E-11	*Very Strong evidence against*
F3	4.25E-05	0.999957535	4.25E-05	*Very Strong evidence against*
F4	5.40E-09	0.999999995	5.40E-09	*Very Strong evidence against*
F5	3.59E-12	1	3.59E-12	*Very Strong evidence against*
B1	0.000669091	0.999330909	0.000669539	*Strong evidence against*
B2	1.81E-09	0.999999998	1.81E-09	*Very Strong evidence against*
B3	4.65E-06	0.99999535	4.65E-06	*Very Strong evidence against*
B4	0.055884825	0.944115175	0.059192804	*Moderately strong evidence against*
B5	0.002710966	0.997289034	0.002718336	*Strong evidence against*

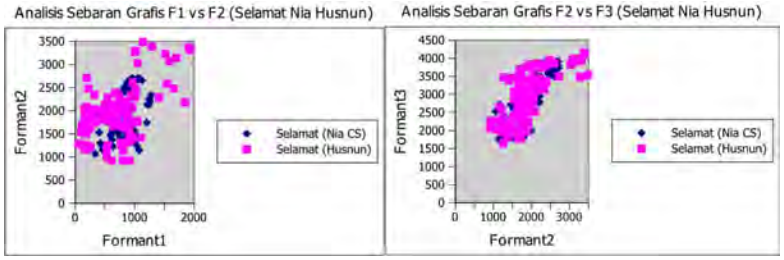
Formant kata "saya"	P-value = p (E | Hp)	p (E | Hd)	LR	Verbal Statement
F1	0.285626545	0.714373455	0.399828049	Limited evidence to support
F2	0.905018063	0.094981937	9.528317585	Limited evidence to support
F3	0.627022957	0.372977043	1.681130161	Limited evidence to support
F4	0.35160676	0.64839324	0.542273944	Limited evidence to support
F5	0.558191154	0.441808846	1.263422313	Limited evidence to support
B1	1.22E-11	1	1.22E-11	Very Strong evidence against

B2	0.000228714	0.999771286	0.000228766	Very Strong evidence against
B3	0.407812294	0.592187706	0.688653766	Limited evidence to support
B4	0.14214725	0.85785275	0.165701223	Very Strong evidence against
B5	0.277380508	0.722619492	0.383854173	Limited evidence to support

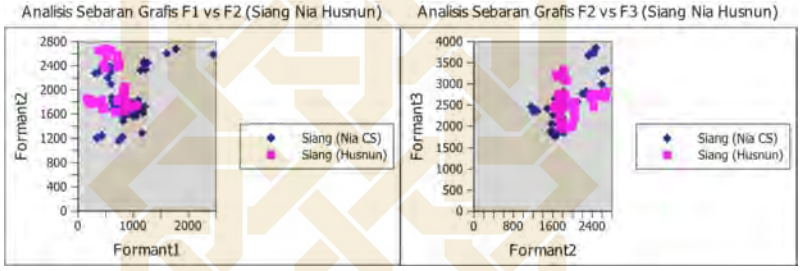
Formant kata "dari"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.088616461	0.911383539	0.097232896	*Moderately strong evidence against*
F2	0.04829428	0.95170572	0.050744972	*Moderately strong evidence against*
F3	0.000215762	0.999784238	0.000215809	*Very Strong evidence against*
F4	0.009548221	0.990451779	0.009640269	*Very Strong evidence against*
F5	0.618351598	0.381648402	1.620212726	*Limited evidence to support*
B1	1.54E-08	0.999999985	1.54E-08	*Very Strong evidence against*
B2	0.194976918	0.805023082	0.242200406	*Limited evidence to support*
B3	0.760442619	0.239557381	3.174365218	*Limited evidence to support*
B4	1.12E-05	0.999988765	1.12E-05	*Very Strong evidence against*
B5	0.830102033	0.169897967	4.885885619	*Limited evidence to support*

Formant kata "kepolisian"	P-*value = p (E|Hp)*	p (E|Hd)	LR	*Verbal Statement*
F1	0.285626545	0.714373455	0.399828049	*Limited evidence to support*
F2	0.905018063	0.094981937	9.528317585	*Limited evidence to support*
F3	0.627022957	0.372977043	1.681130161	*Limited evidence to support*
F4	3.925834269	0.64839324	0.542273944	*Very Strong evidence against*
F5	0.558191154	0.441808846	1.263422313	*Limited evidence to support*
B1	1.22E-11	1	1.22E-11	*Very Strong evidence against*
B2	0.000228714	0.999771286	0.000228766	*Very Strong evidence against*
B3	0.407812294	0.592187706	0.688653766	*Limited evidence to support*
B4	0.14214725	0.85785275	0.165701223	*Limited evidence to support*
B5	0.277380508	0.722619492	0.383854173	*Limited evidence to support*

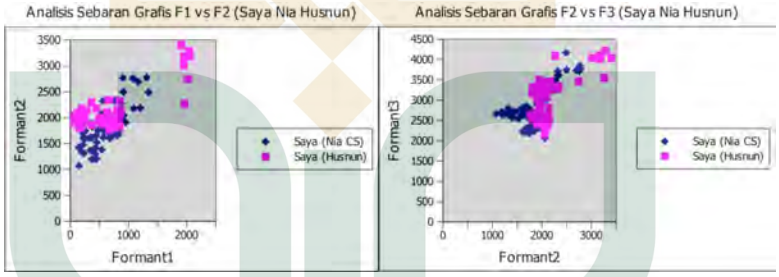
5. Analisis *Graphical Distribution*



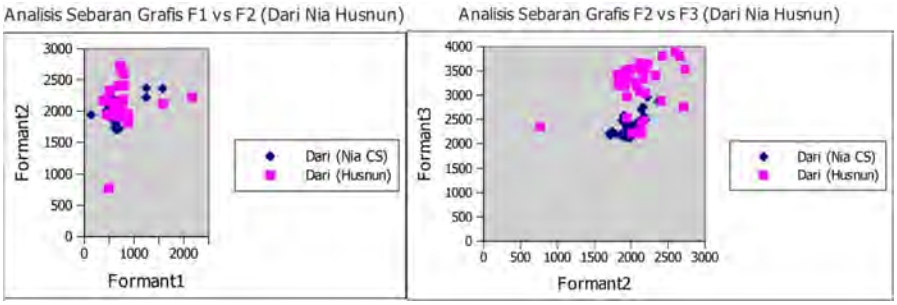
Gambar Lampiran 5. 1 Sebaran Grafis pada kata “selamat” (tersangka A)



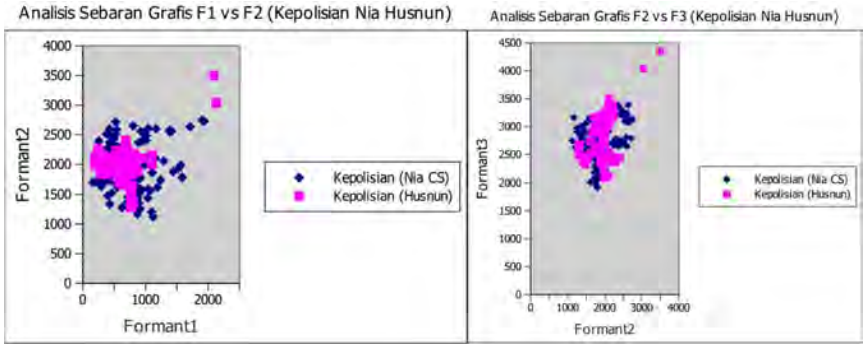
Gambar Lampiran 5. 2 Sebaran Grafis pada kata “siang” (tersangka A)



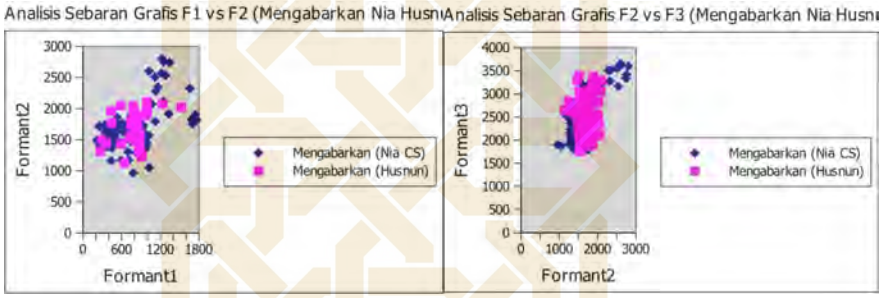
Gambar Lampiran 5. 3 Sebaran Grafis pada kata “saya” (tersangka A)



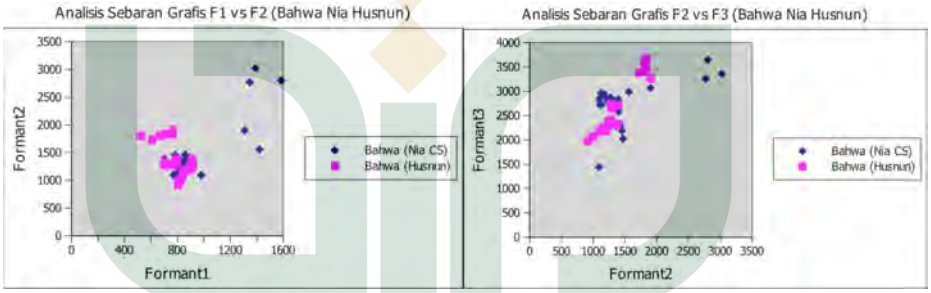
Gambar Lampiran 5. 4 Sebaran Grafis pada kata “dari” (tersangka A)



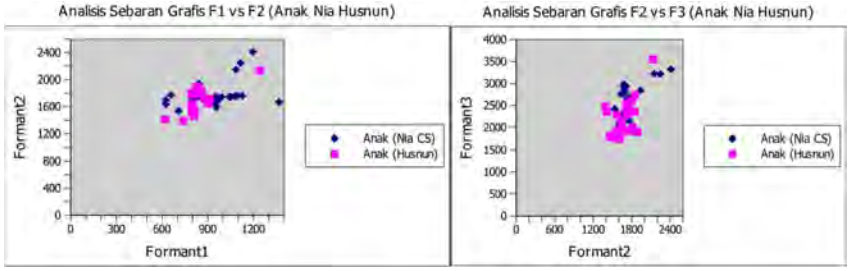
Gambar Lampiran 5. 5 Sebaran Grafis pada kata “kepolisian” (tersangka A)



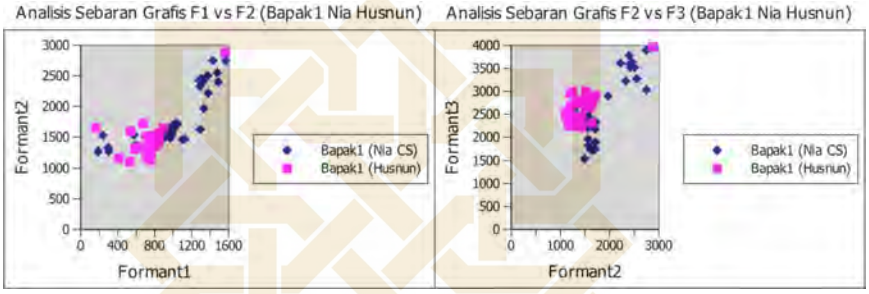
Gambar Lampiran 5. 6 Sebaran Grafis pada kata “mengabarkan” (tersangka A)



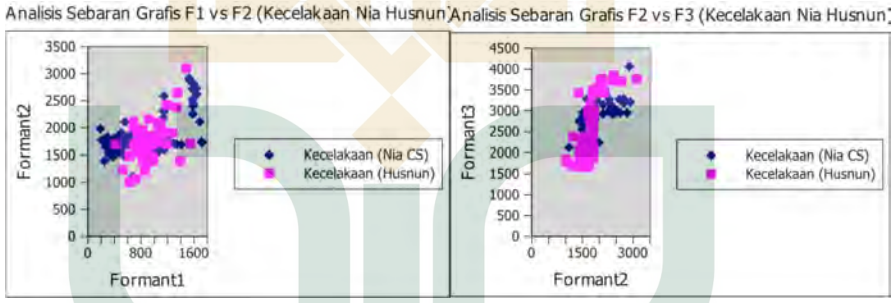
Gambar Lampiran 5. 7 Sebaran Grafis pada kata “bahwa” (tersangka A)



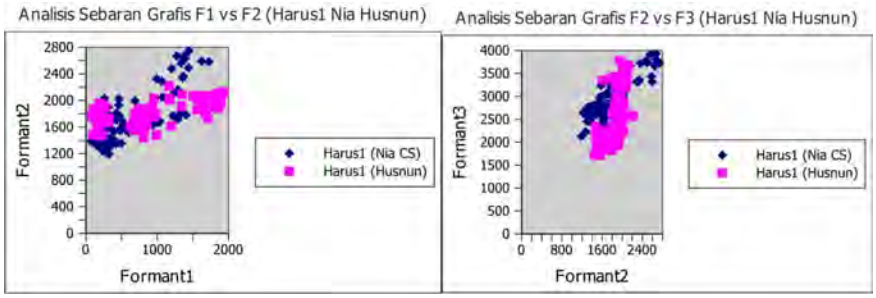
Gambar Lampiran 5. 8 Sebaran Grafis pada kata “anak” (tersangka A)



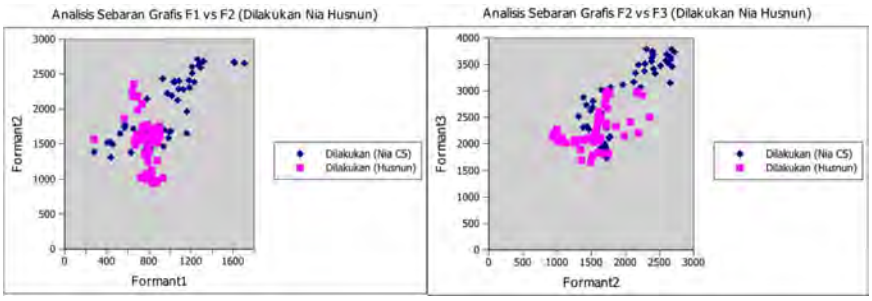
Gambar Lampiran 5. 9 Sebaran Grafis pada kata “bapak” (tersangka A)



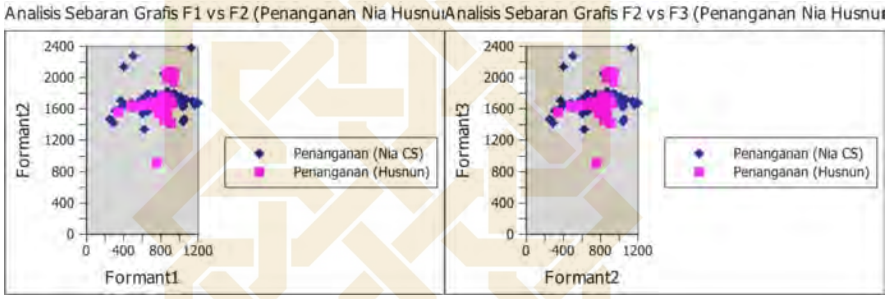
Gambar Lampiran 5. 10 Sebaran Grafis pada kata “kecelakaan” (tersangka A)



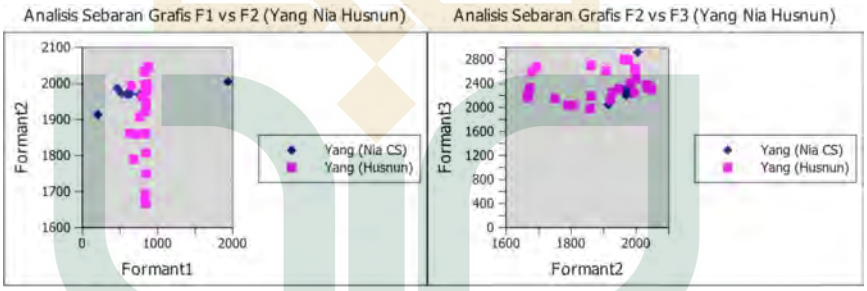
Gambar Lampiran 5. 11 Sebaran Grafis pada kata “harus” (tersangka A)



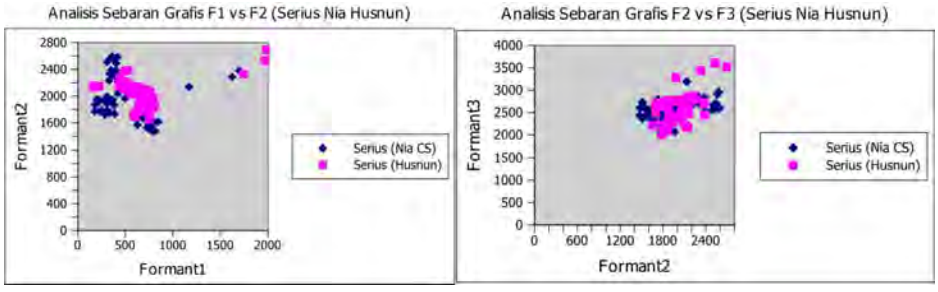
Gambar Lampiran 5. 12 Sebaran Grafis pada kata “dilakukan” (tersangka A)



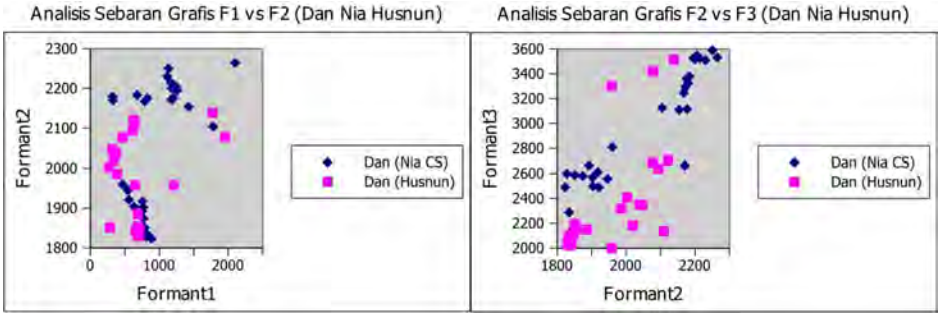
Gambar Lampiran 5. 13 Sebaran Grafis pada kata “penanganan” (tersangka A)



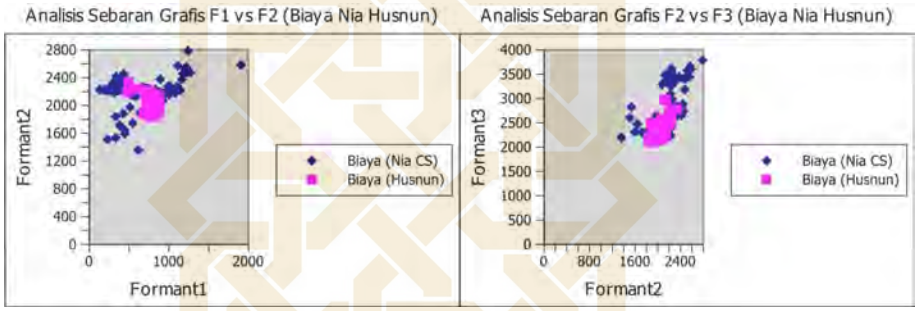
Gambar Lampiran 5. 14 Sebaran Grafis pada kata “yang” (tersangka A)



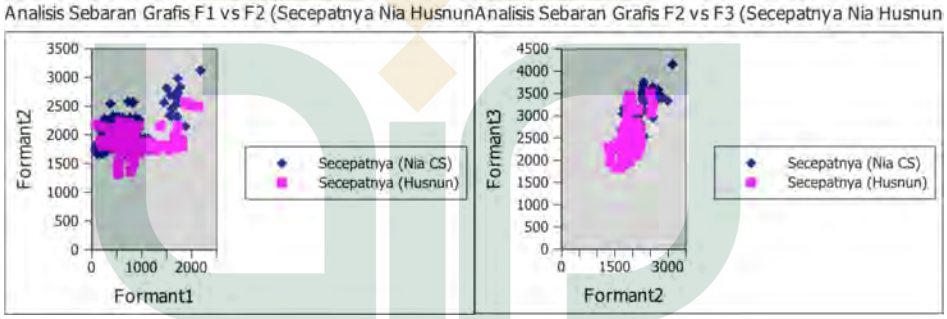
Gambar Lampiran 5. 15 Sebaran Grafis pada kata “serius” (tersangka A)



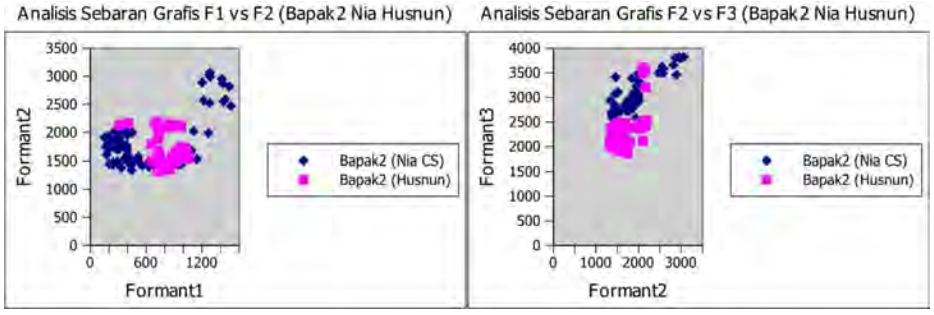
Gambar Lampiran 5. 16 Sebaran Grafis pada kata “dan” (tersangka A)



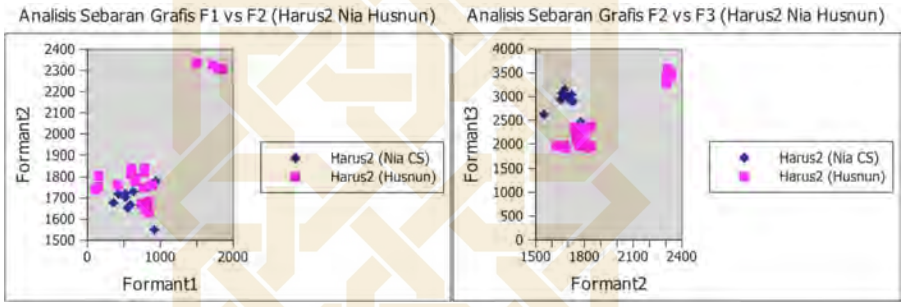
Gambar Lampiran 5. 17 Sebaran Grafis pada kata “biaya” (tersangka A)



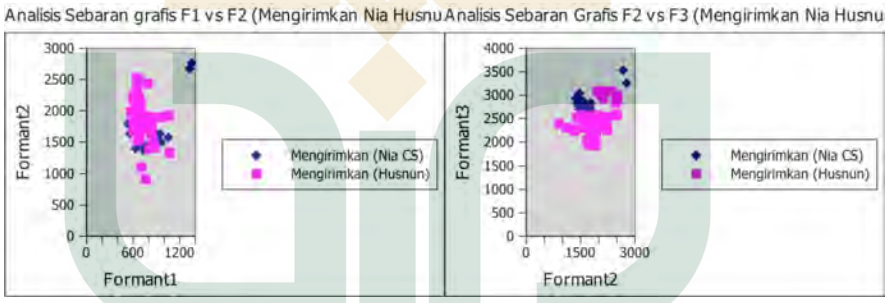
Gambar Lampiran 5. 18 Sebaran Grafis pada kata “secepatnya” (tersangka A)



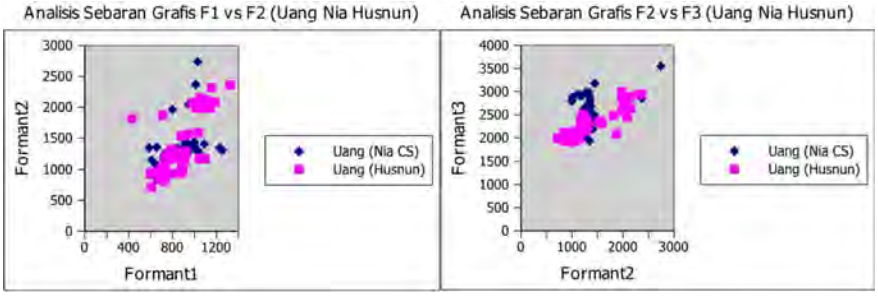
Gambar Lampiran 5. 19 Sebaran Grafis pada kata “bapak” (tersangka A)



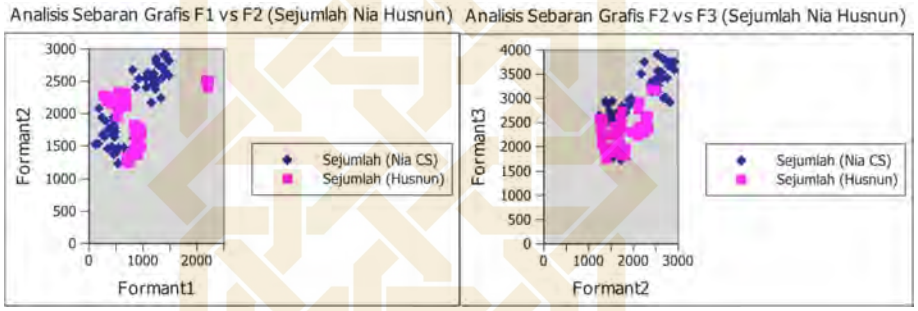
Gambar Lampiran 5. 20 Sebaran Grafis pada kata “harus” (tersangka A)



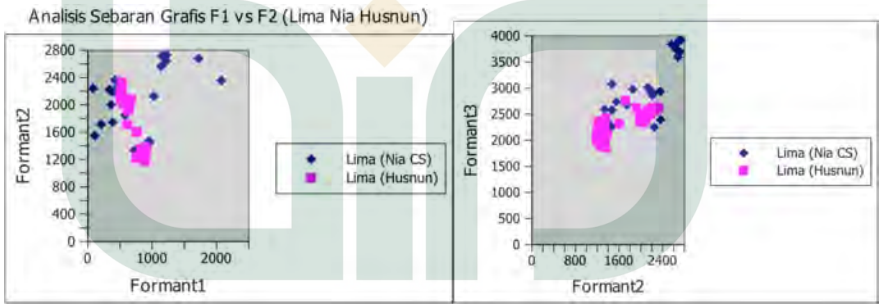
Gambar Lampiran 5. 21 Sebaran Grafis pada kata “mengirimkan” (tersangka A)



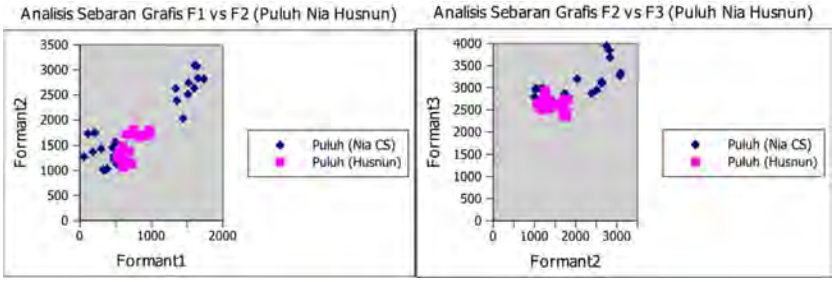
Gambar Lampiran 5. 22 Sebaran Grafis pada kata “uang” (tersangka A)



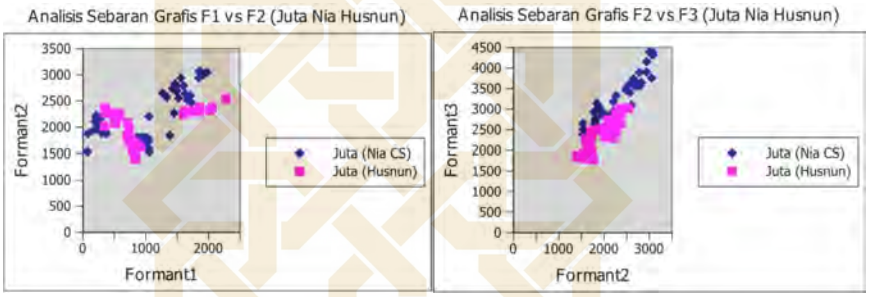
Gambar Lampiran 5. 23 Sebaran Grafis pada kata “sejumlah” (tersangka A)



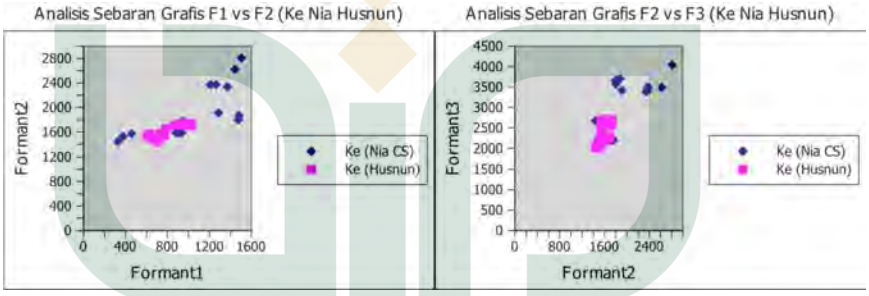
Gambar Lampiran 5. 24 Sebaran Grafis pada kata “lima” (tersangka A)



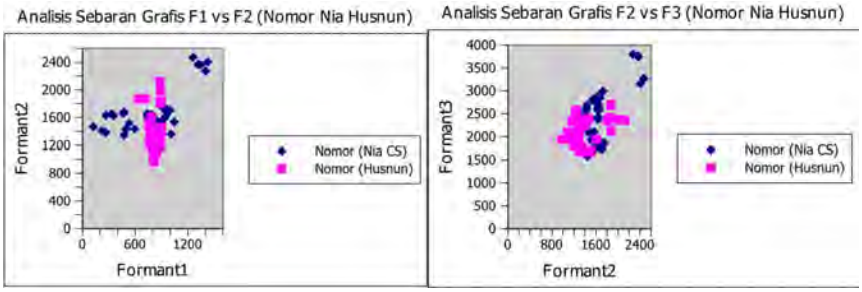
Gambar Lampiran 5. 25 Sebaran Grafis pada kata “puluh” (tersangka A)



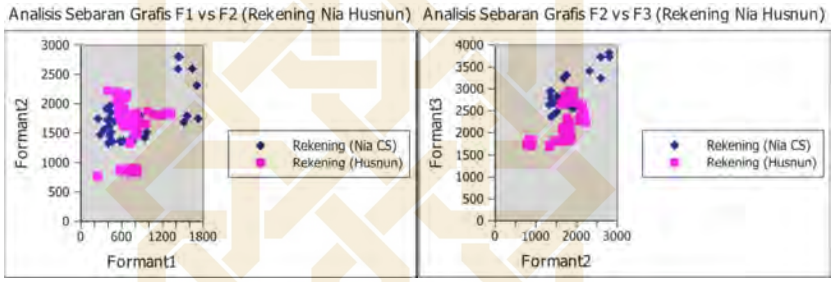
Gambar Lampiran 5. 26 Sebaran Grafis pada kata “juta” (tersangka A)



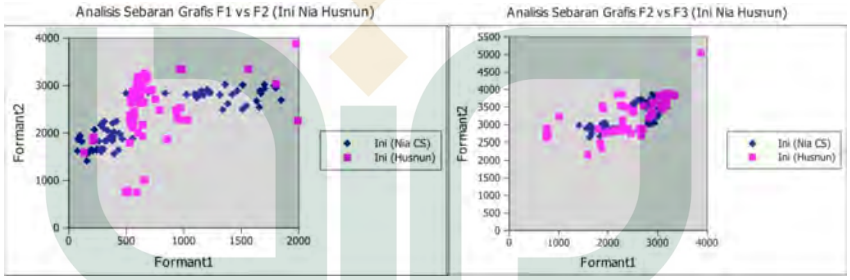
Gambar Lampiran 5. 27 Sebaran Grafis pada kata “ke” (tersangka A)



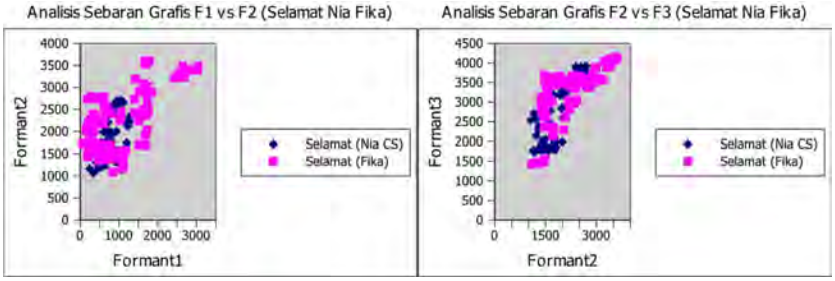
Gambar Lampiran 5. 28 Sebaran Grafis pada kata “nomor” (tersangka A)



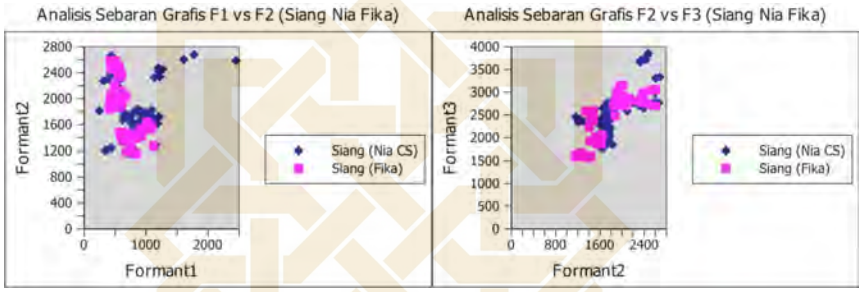
Gambar Lampiran 5. 29 Sebaran Grafis pada kata “rekening” (tersangka A)



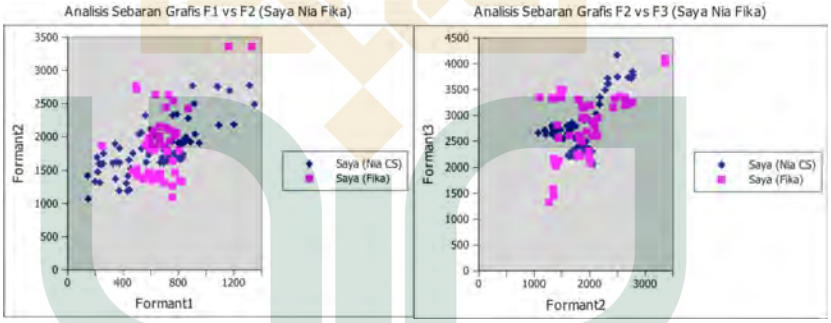
Gambar Lampiran 5. 30 Sebaran Grafis pada kata “ini” (tersangka A)



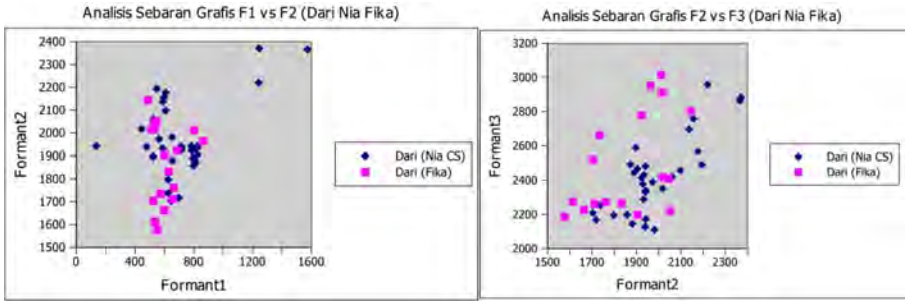
Gambar Lampiran 5. 31 Sebaran Grafis pada kata "selamat" (tersangka B)



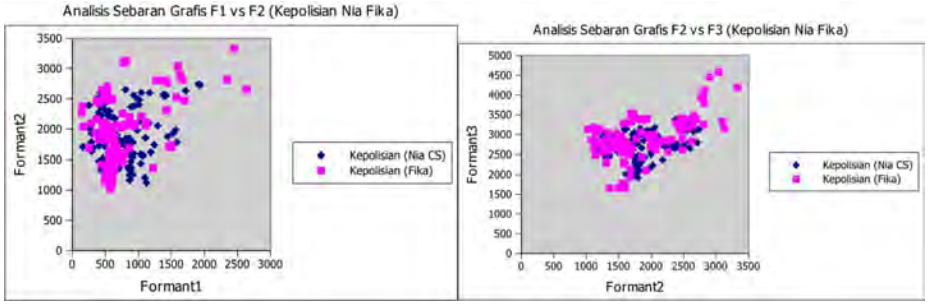
Gambar Lampiran 5. 32 Sebaran Grafis pada kata "siang" (tersangka B)



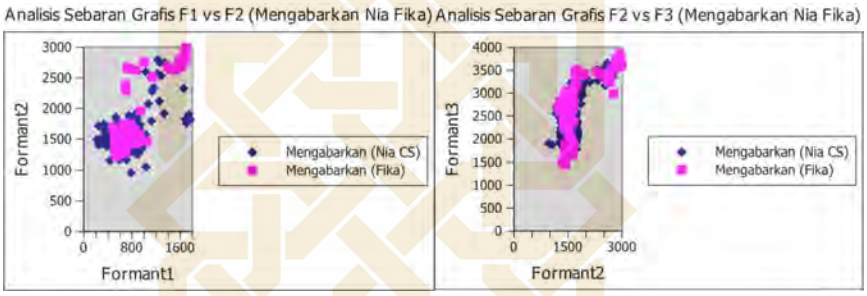
Gambar Lampiran 5. 33 Sebaran Grafis pada kata "saya" (tersangka B)



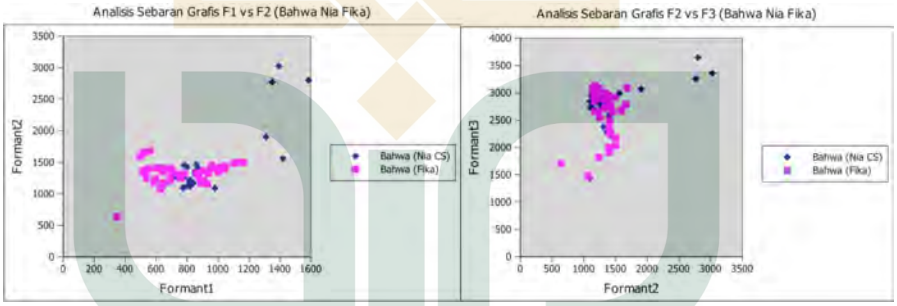
Gambar Lampiran 5. 34 Sebaran Grafis pada kata "dari" (tersangka B)



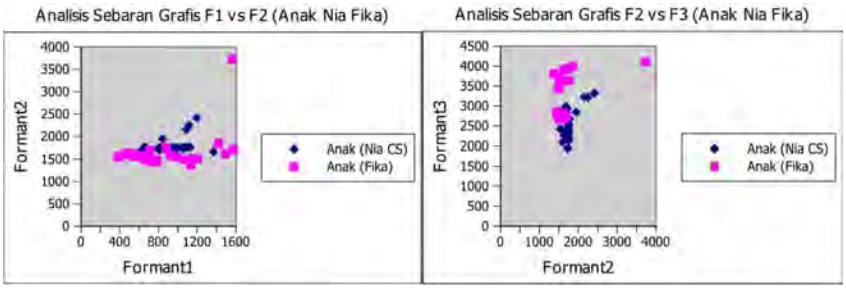
Gambar Lampiran 5. 35 Sebaran Grafis pada kata “kepolisian” (tersangka B)



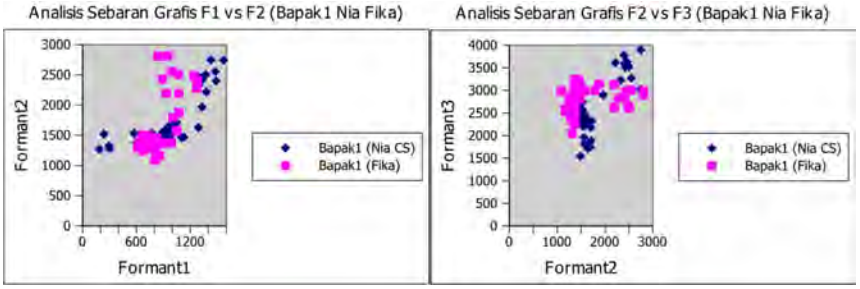
Gambar Lampiran 5. 36 Sebaran Grafis pada kata “mengabarkan” (tersangka B)



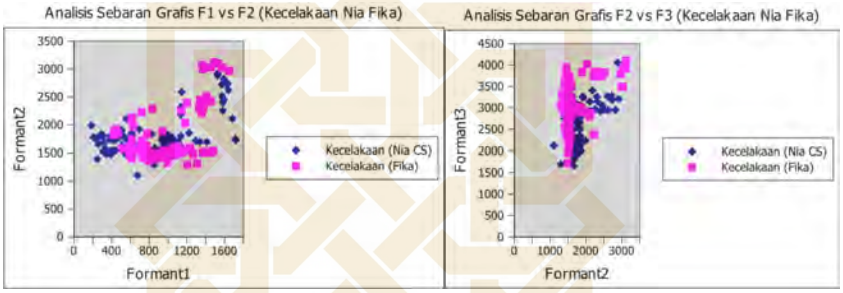
Gambar Lampiran 5. 37 Sebaran Grafis pada kata “bahwa” (tersangka B)



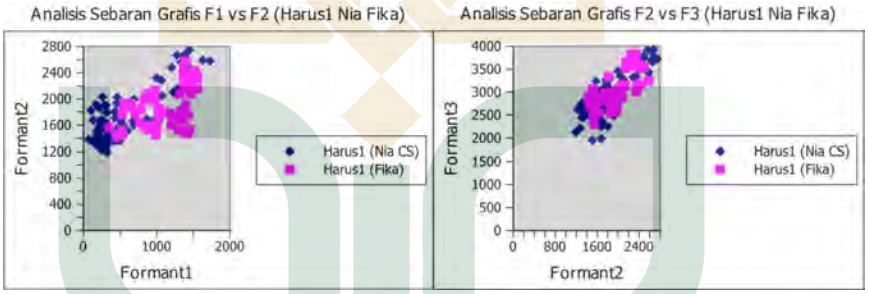
Gambar Lampiran 5. 38 Sebaran Grafis pada kata “anak” (tersangka B)



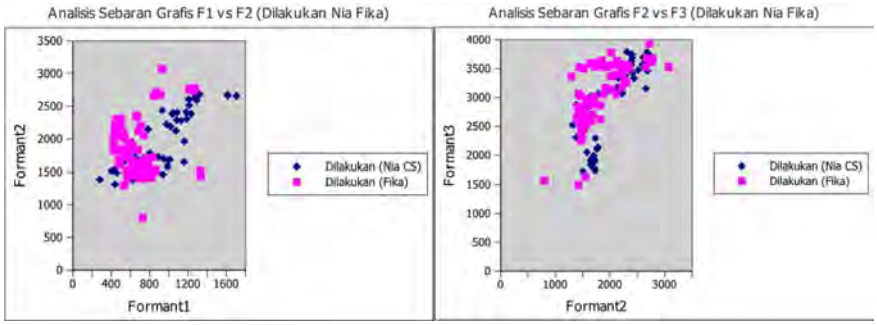
Gambar Lampiran 5. 39 Sebaran Grafis pada kata “bapak” (tersangka B)



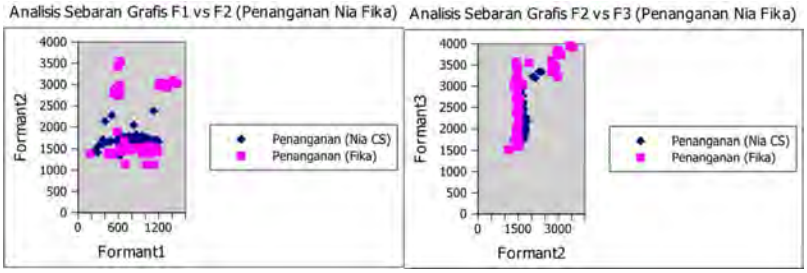
Gambar Lampiran 5. 40 Sebaran Grafis pada kata “kecelakaan” (tersangka B)



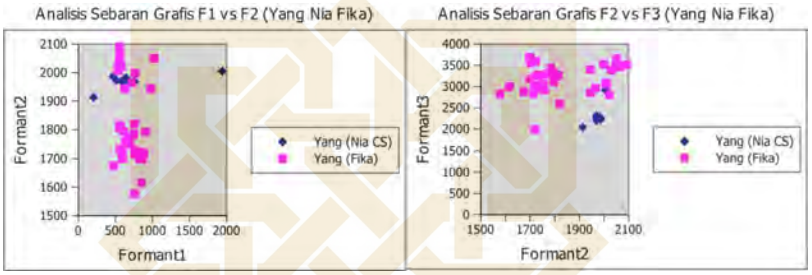
Gambar Lampiran 5. 41 Sebaran Grafis pada kata “harus” (tersangka B)



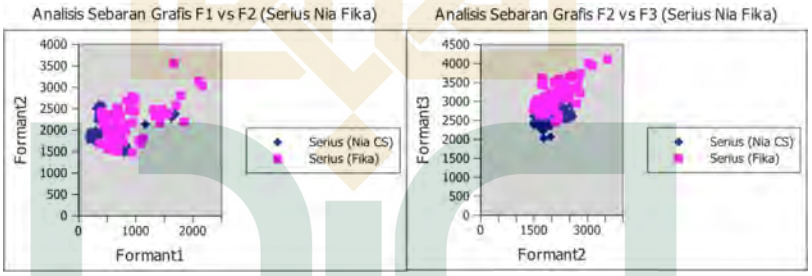
Gambar Lampiran 5. 42 Sebaran Grafis pada kata “dilakukan” (tersangka B)



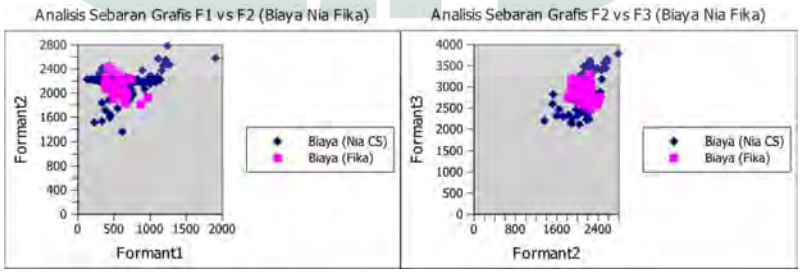
Gambar Lampiran 5. 43 Sebaran Grafis pada kata "penanganan" (tersangka B)



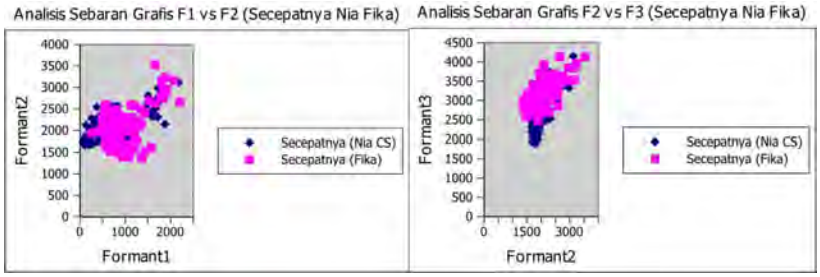
Gambar Lampiran 5. 44 Sebaran Grafis pada kata "yang" (tersangka B)



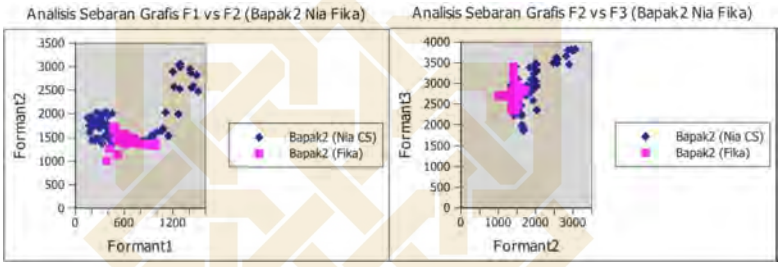
Gambar Lampiran 5. 45 Sebaran Grafis pada kata "serius" (tersangka B)



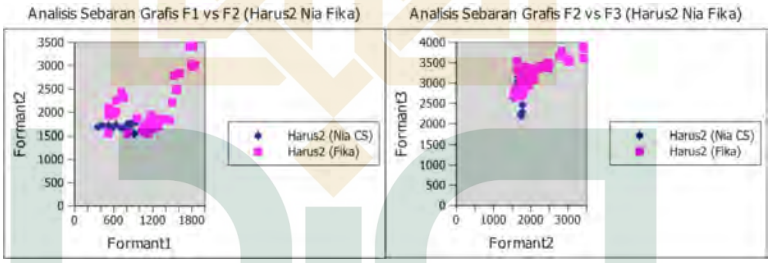
Gambar Lampiran 5. 46 Sebaran Grafis pada kata "biaya" (tersangka B)



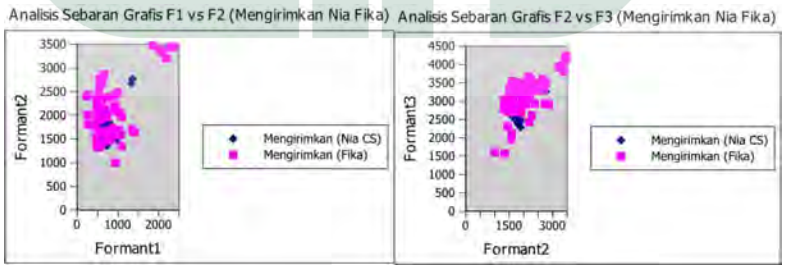
Gambar Lampiran 5. 47 Sebaran Grafis pada kata “secepatnya” (tersangka B)



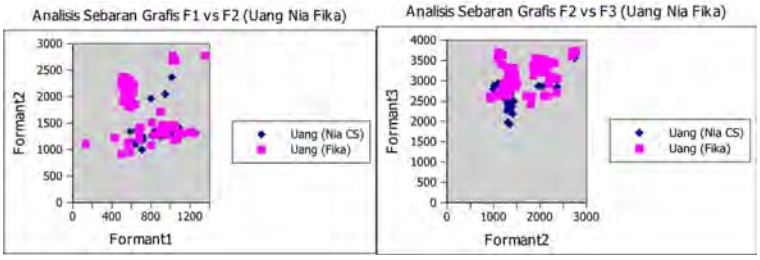
Gambar Lampiran 5. 48 Sebaran Grafis pada kata “bapak” (tersangka B)



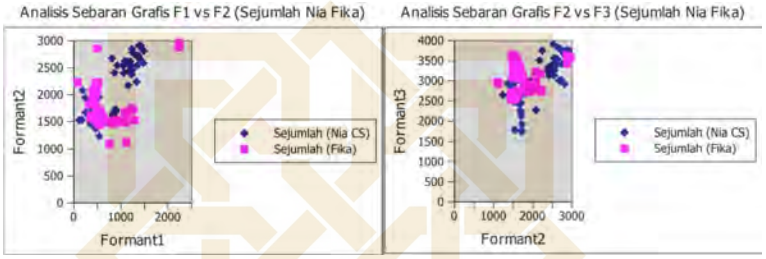
Gambar Lampiran 5. 49 Sebaran Grafis pada kata “harus” (tersangka B)



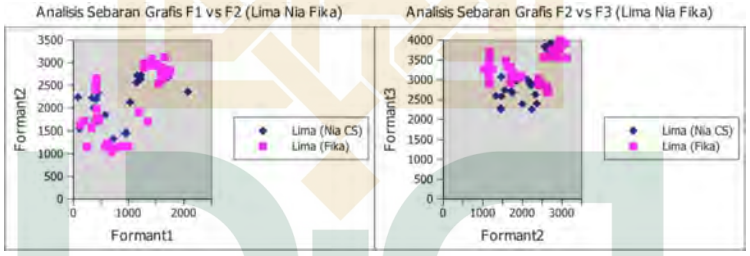
Gambar Lampiran 5. 50 Sebaran Grafis pada kata “mengirimkan” (tersangka B)



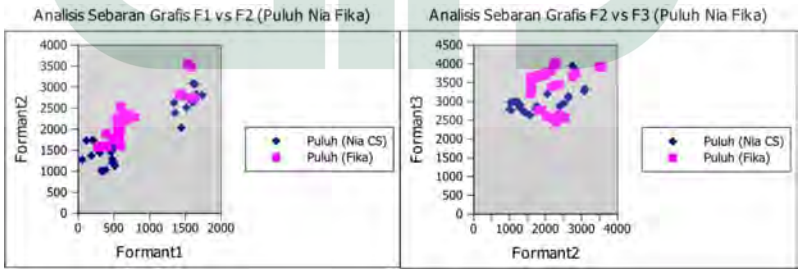
Gambar Lampiran 5. 51 Sebaran Grafis pada kata "uang" (tersangka B)



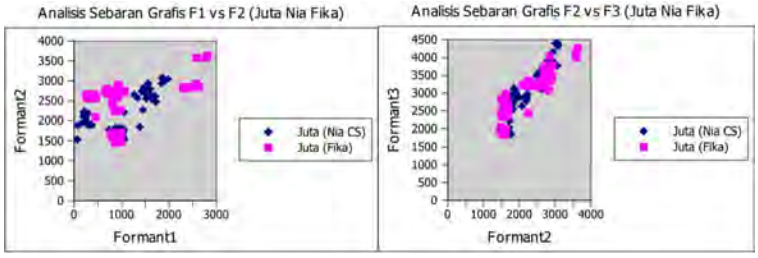
Gambar Lampiran 5. 52 Sebaran Grafis pada kata "sejumlah" (tersangka B)



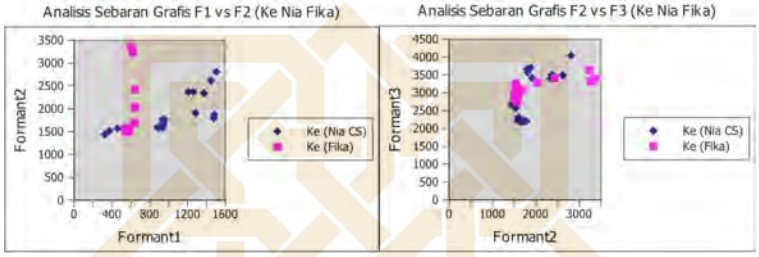
Gambar Lampiran 5. 53 Sebaran Grafis pada kata "lima" (tersangka B)



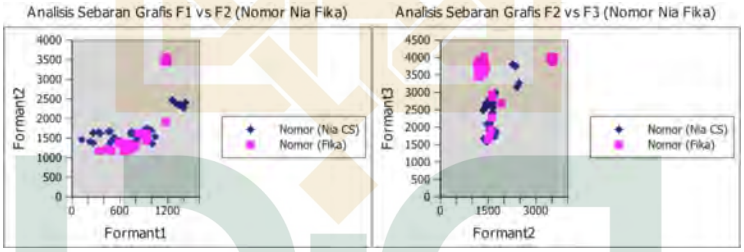
Gambar Lampiran 5. 54 Sebaran Grafis pada kata "puluh" (tersangka B)



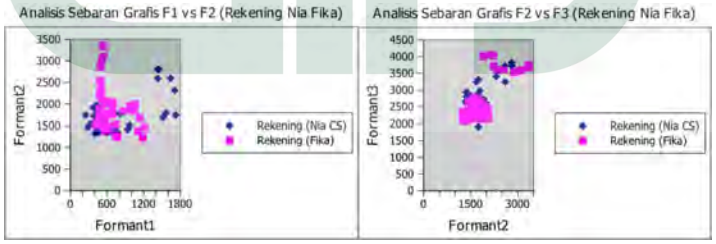
Gambar Lampiran 5. 55 Sebaran Grafis pada kata "juta" (tersangka B)



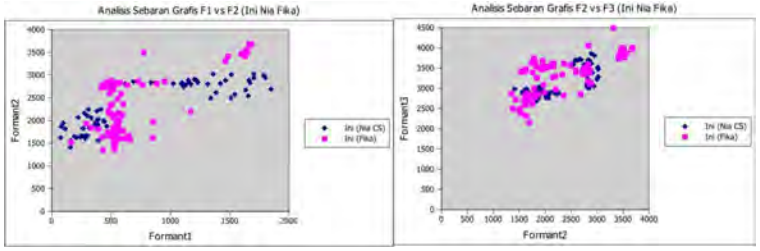
Gambar Lampiran 5. 56 Sebaran Grafis pada kata "ke" (tersangka B)



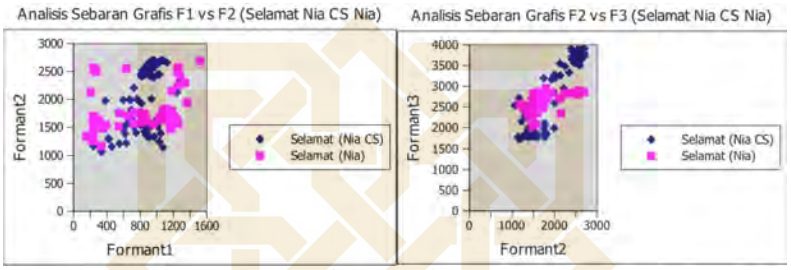
Gambar Lampiran 5. 57 Sebaran Grafis pada kata "nomor" (tersangka B)



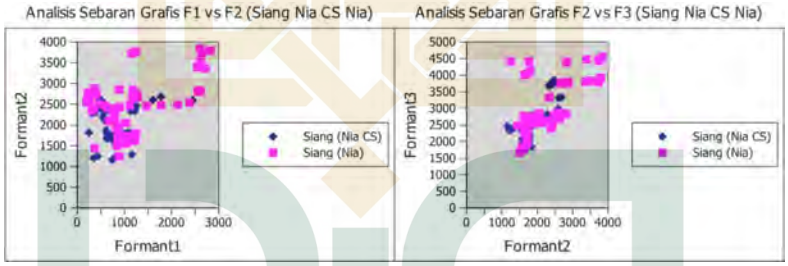
Gambar Lampiran 5. 58 Sebaran Grafis pada kata "rekening" (tersangka B)



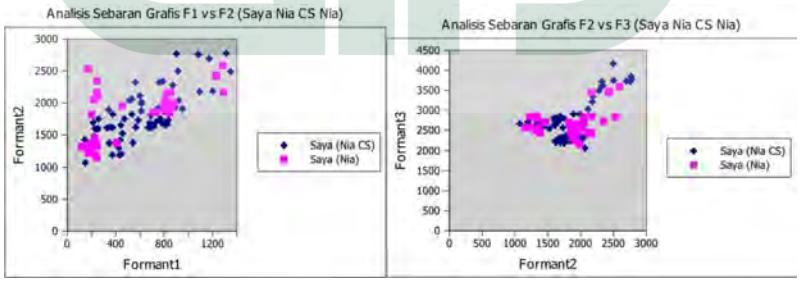
Gambar Lampiran 5. 59 Sebaran Grafis pada kata “ini” (tersangka B)



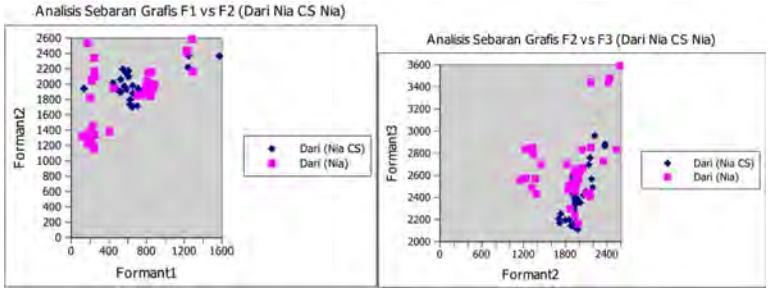
Gambar Lampiran 5. 60 Sebaran Grafis pada kata “selamat” (tersangka C)



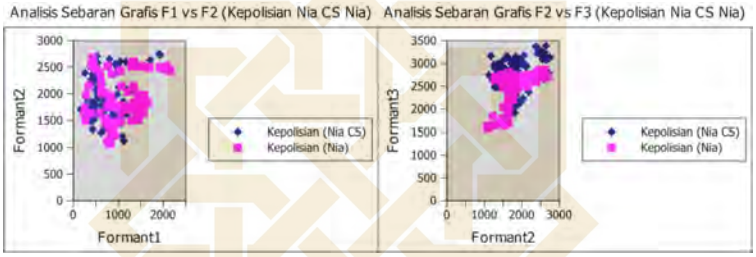
Gambar Lampiran 5. 61 Sebaran Grafis pada kata “siang” (tersangka C)



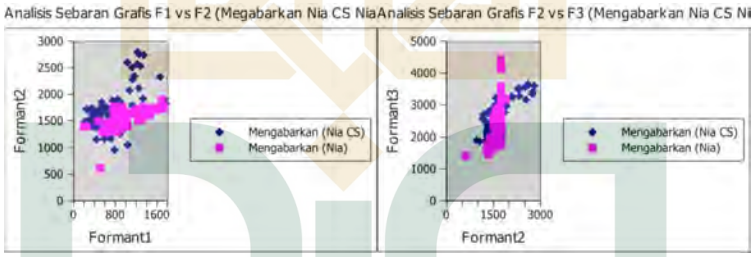
Gambar Lampiran 5. 62 Sebaran Grafis pada kata “saya” (tersangka C)



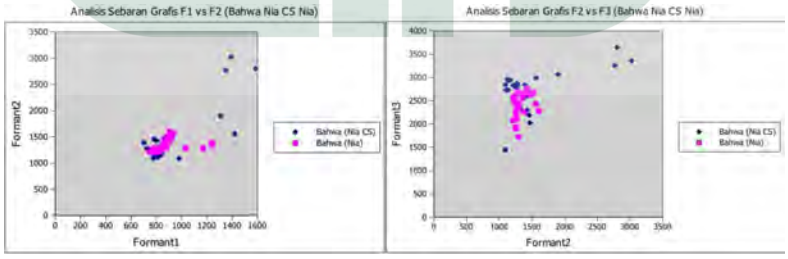
Gambar Lampiran 5. 63 Sebaran Grafis pada kata “dari” (tersangka C)



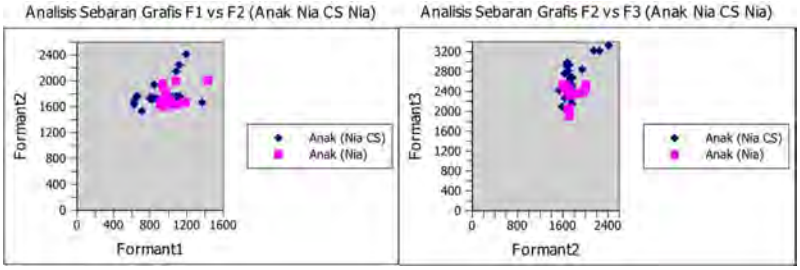
Gambar Lampiran 5. 64 Sebaran Grafis pada kata “kepolisian” (tersangka C)



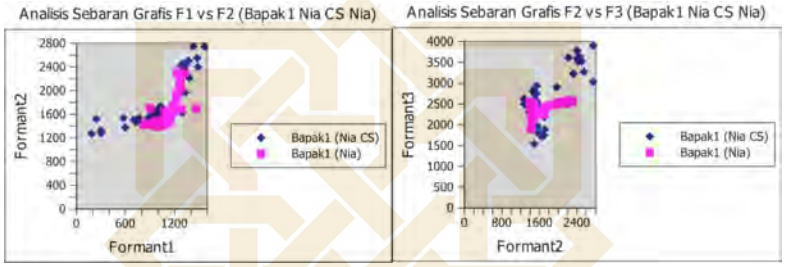
Gambar Lampiran 5. 65 Sebaran Grafis pada kata “mengabarkan” (tersangka C)



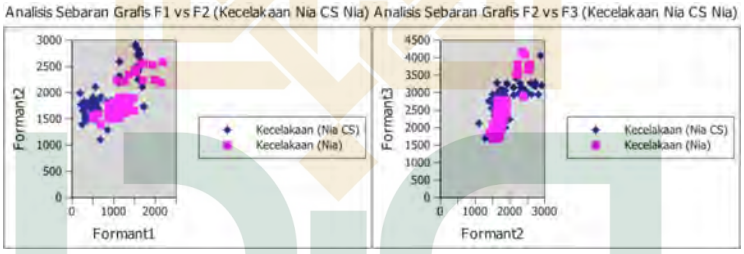
Gambar Lampiran 5. 66 Sebaran Grafis pada kata “bahwa” (tersangka C)



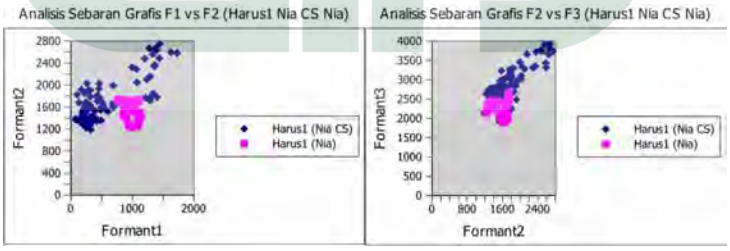
Gambar Lampiran 5. 67 Sebaran Grafis pada kata “anak” (tersangka C)



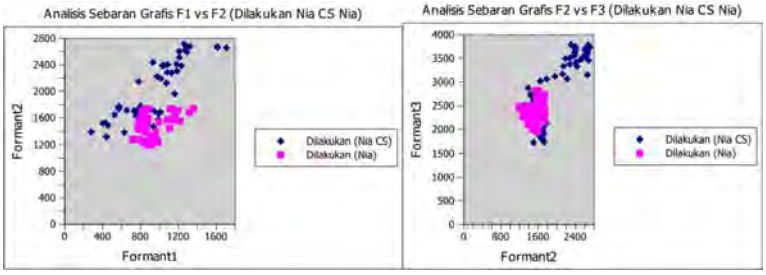
Gambar Lampiran 5. 68 Sebaran Grafis pada kata “bapak” (tersangka C)



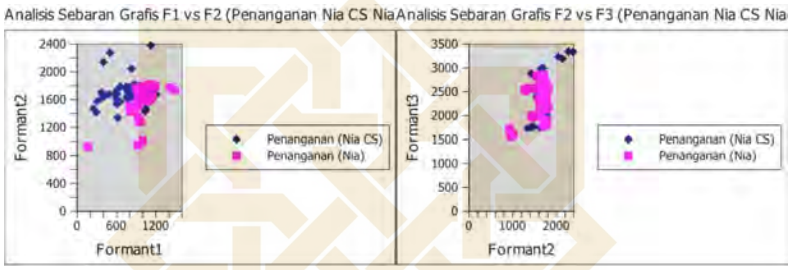
Gambar Lampiran 5. 69 Sebaran Grafis pada kata “kecelakaan” (tersangka C)



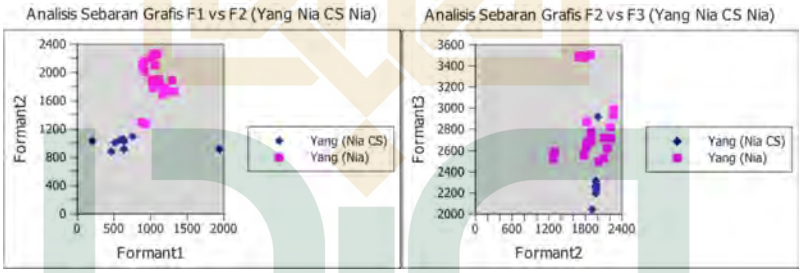
Gambar Lampiran 5. 70 Sebaran Grafis pada kata “harus” (tersangka C)



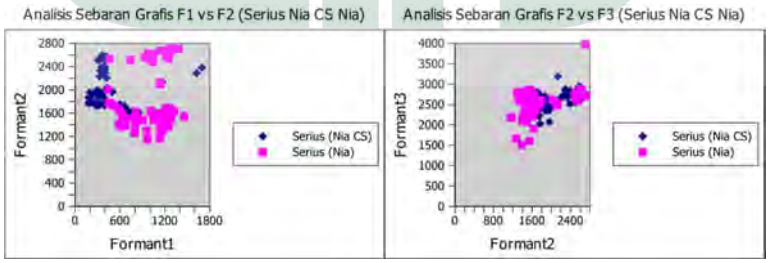
Gambar Lampiran 5. 71 Sebaran Grafis pada kata “dilakukan” (tersangka C)



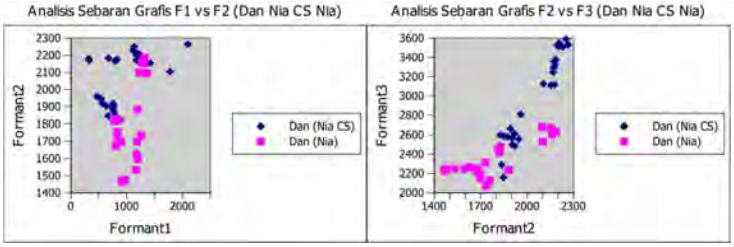
Gambar Lampiran 5. 72 Sebaran Grafis pada kata “penanganan” (tersangka C)



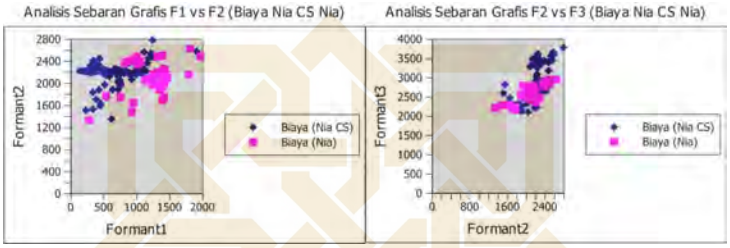
Gambar Lampiran 5. 73 Sebaran Grafis pada kata “yang” (tersangka C)



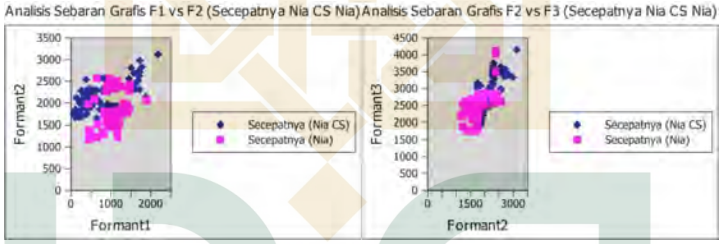
Gambar Lampiran 5. 74 Sebaran Grafis pada kata “serius” (tersangka C)



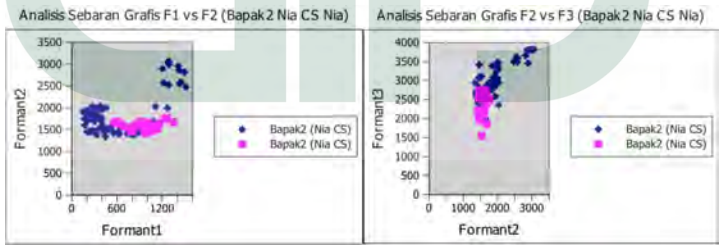
Gambar Lampiran 5. 75 Sebaran Grafis pada kata “dan” (tersangka C)



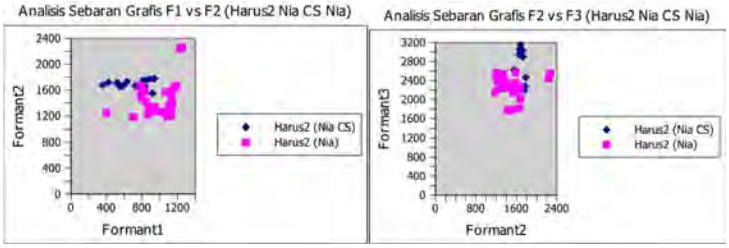
Gambar Lampiran 5. 76 Sebaran Grafis pada kata “biaya” (tersangka C)



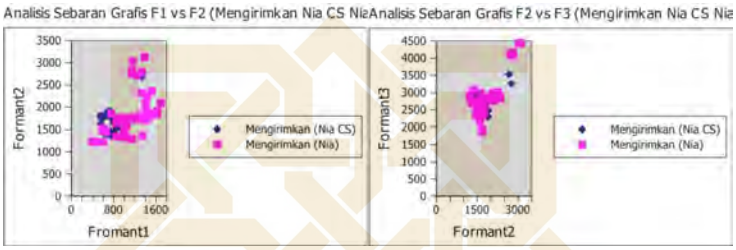
Gambar Lampiran 5. 77 Sebaran Grafis pada kata “secepatnya” (tersangka C)



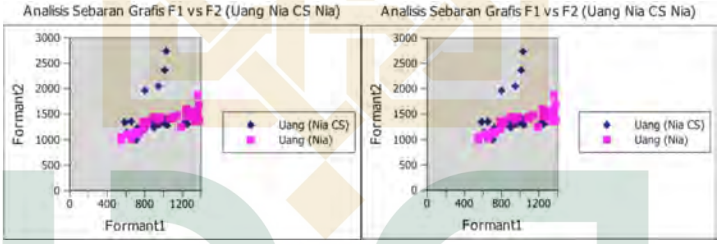
Gambar Lampiran 5. 78 Sebaran Grafis pada kata “bapak” (tersangka C)



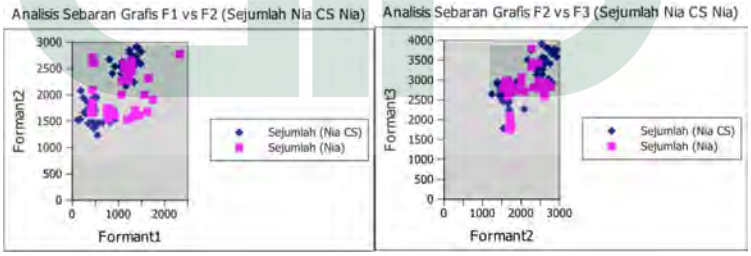
Gambar Lampiran 5. 79 Sebaran Grafis pada kata “harus” (tersangka C)



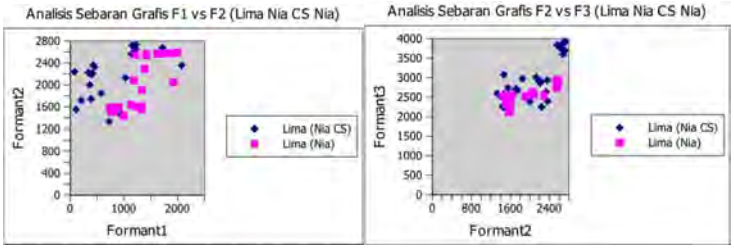
Gambar Lampiran 5. 80 Sebaran Grafis pada kata “mengirimkan” (tersangka C)



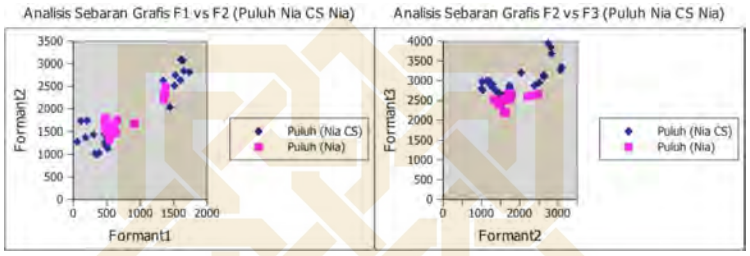
Gambar Lampiran 5. 81 Sebaran Grafis pada kata “uang” (tersangka C)



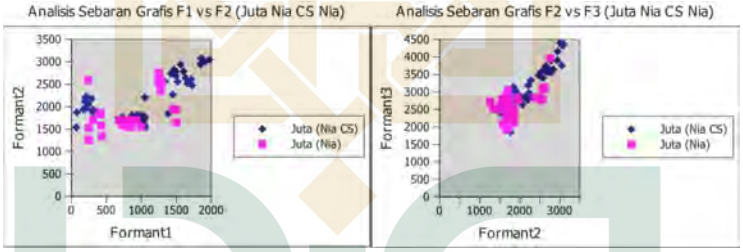
Gambar Lampiran 5. 82 Sebaran Grafis pada kata “sejumlah” (tersangka C)



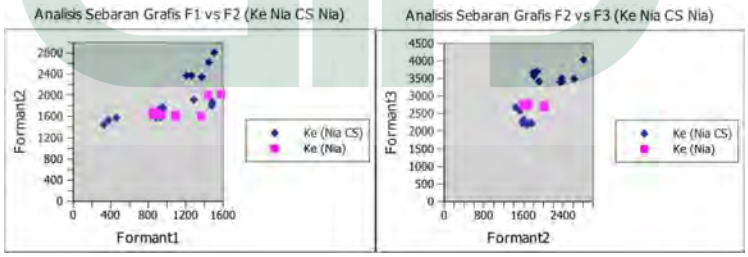
Gambar Lampiran 5. 83 Sebaran Grafis pada kata “lima” (tersangka C)



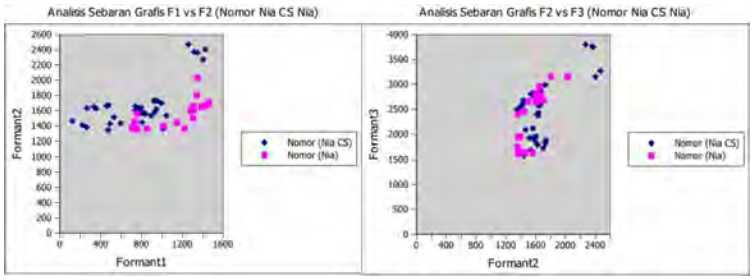
Gambar Lampiran 5. 84 Sebaran Grafis pada kata “puluh” (tersangka C)



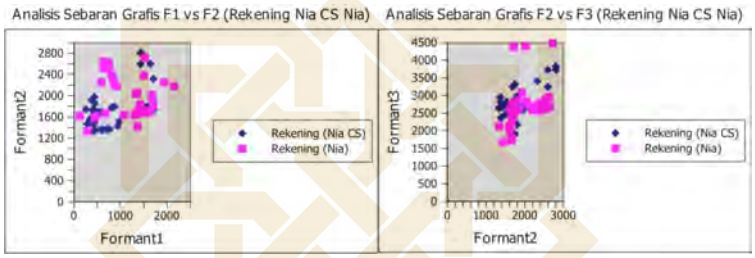
Gambar Lampiran 5. 85 Sebaran Grafis pada kata “juta” (tersangka C)



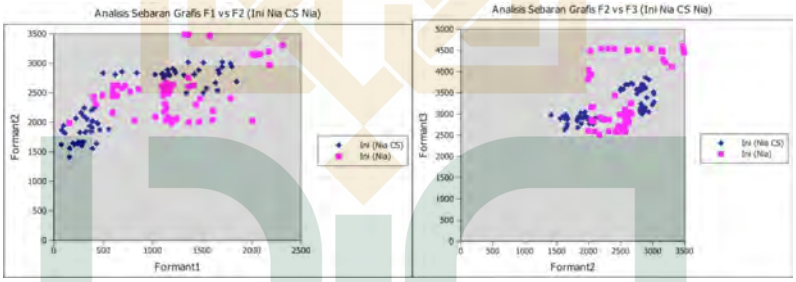
Gambar Lampiran 5. 86 Sebaran Grafis pada kata “ke” (tersangka C)



Gambar Lampiran 5. 87 Sebaran Grafis pada kata “nomor” (tersangka C)

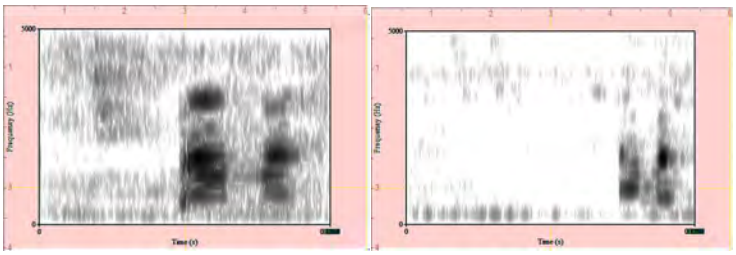


Gambar Lampiran 5. 88 Sebaran Grafis pada kata “rekening” (tersangka C)

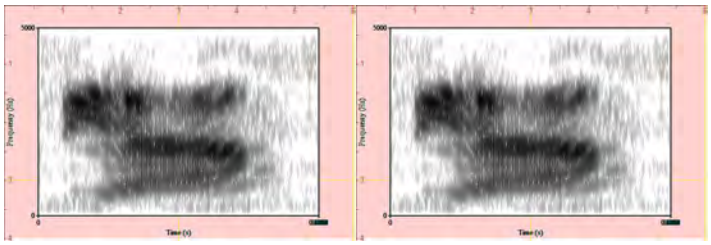


Gambar Lampiran 5. 89 Sebaran Grafis pada kata “ini” (tersangka C)

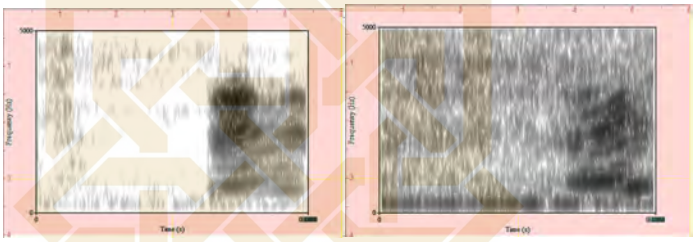
6. Analisis Spektogram



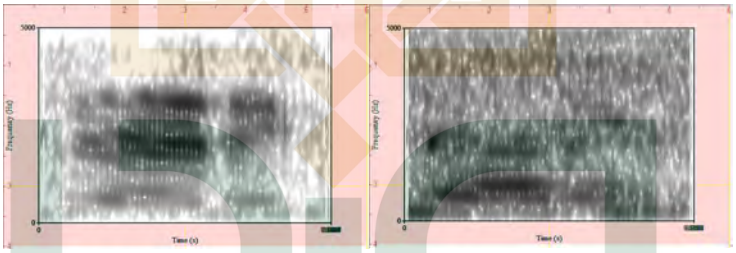
Gambar Lampiran 6. 1 Spektogram dari kata “selamat” (tersangka A)



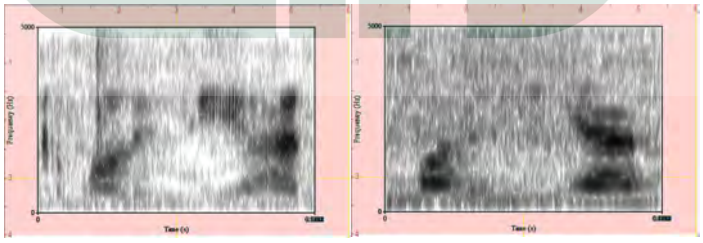
Gambar Lampiran 6. 2 Spektogram dari kata “siang” (tersangka A)



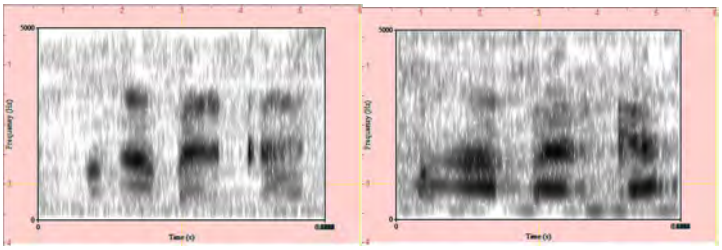
Gambar Lampiran 6. 3 Spektogram dari kata “saya” (tersangka A)



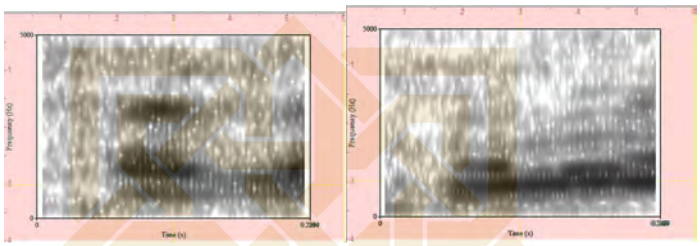
Gambar Lampiran 6. 4 Spektogram dari kata “dari” (tersangka A)



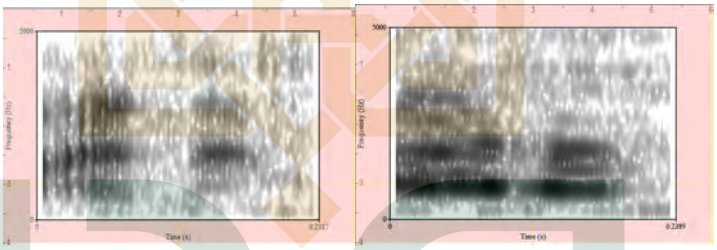
Gambar Lampiran 6. 5 Spektogram dari kata “kepolisian” (tersangka A)



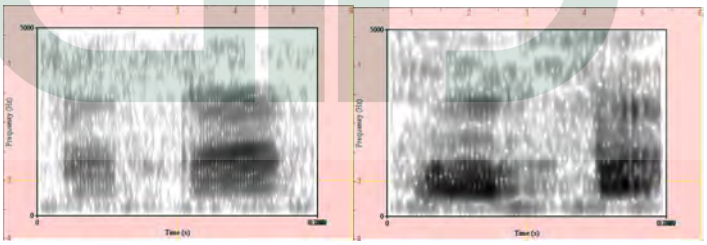
Gambar Lampiran 6. 6 Spektogram dari kata “mengabarkan” (tersangka A)



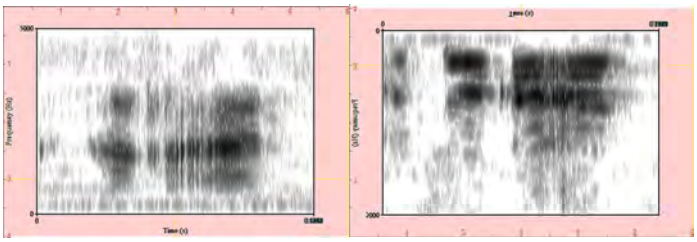
Gambar Lampiran 6. 7 Spektogram dari kata “bahwa” (tersangka A)



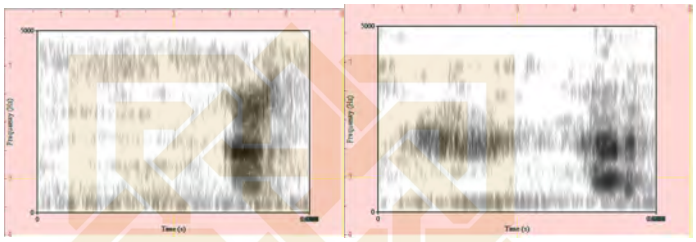
Gambar Lampiran 6. 8 Spektogram dari kata “anak” (tersangka A)



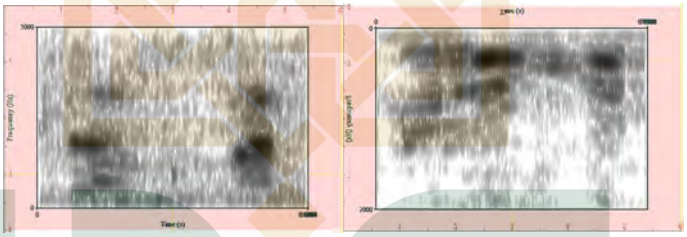
Gambar Lampiran 6. 9 Spektogram dari kata “bapak” (tersangka A)



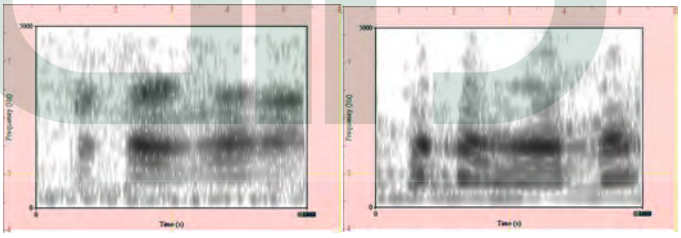
Gambar Lampiran 6. 10 Spektogram dari kata “kecelakaan” (tersangka A)



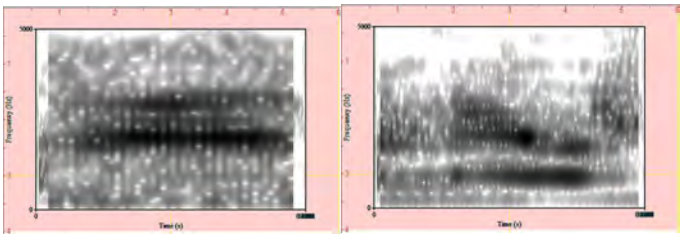
Gambar Lampiran 6. 11 Spektogram dari kata “harus” (tersangka A)



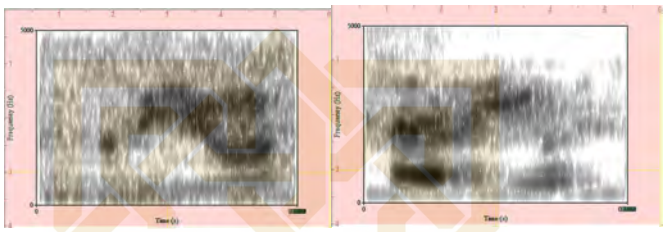
Gambar Lampiran 6. 12 Spektogram dari kata “dilakukan” (tersangka A)



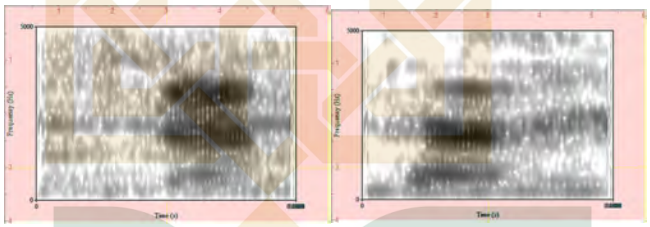
Gambar Lampiran 6. 13 Spektogram dari kata “penanganan” (tersangka A)



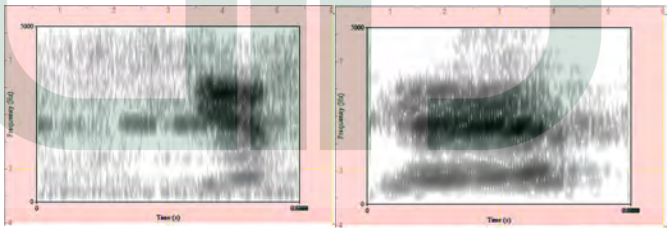
Gambar Lampiran 6. 14 Spektogram dari kata “yang” (tersangka A)



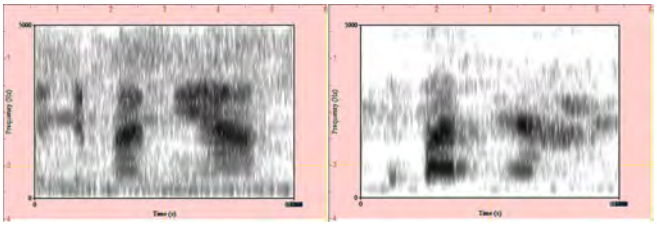
Gambar Lampiran 6. 15 Spektogram dari kata “serius” (tersangka A)



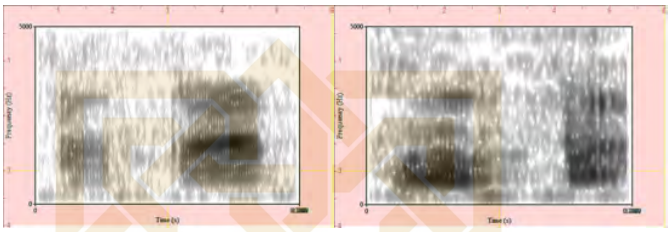
Gambar Lampiran 6. 16 Spektogram dari kata “dan” (tersangka A)



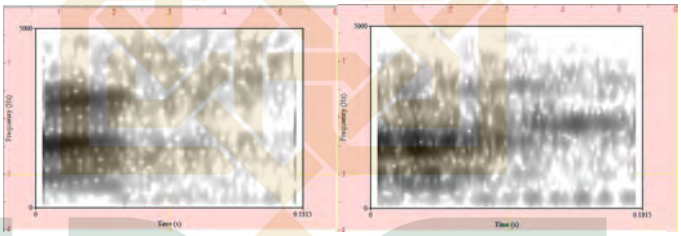
Gambar Lampiran 6. 17 Spektogram dari kata “biaya” (tersangka A)



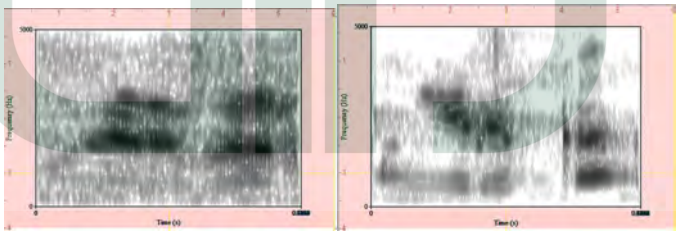
Gambar Lampiran 6. 18 Spektogram dari kata “secepatnya” (tersangka A)



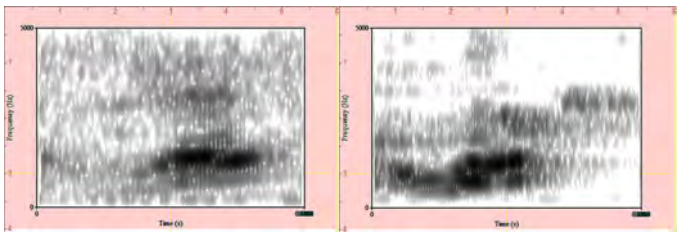
Gambar Lampiran 6. 19 Spektogram dari kata “bapak” (tersangka A)



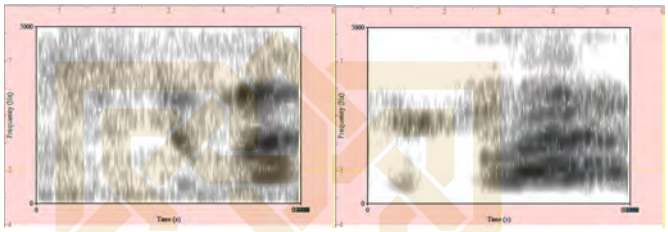
Gambar Lampiran 6. 20 Spektogram dari kata “harus” (tersangka A)



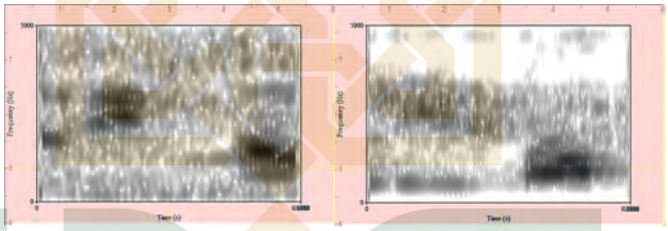
Gambar Lampiran 6. 21 Spektogram dari kata “mengirimkan” (tersangka A)



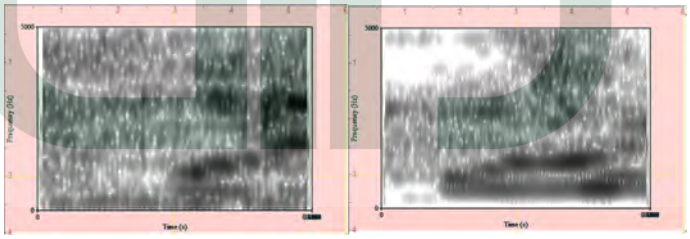
Gambar Lampiran 6. 22 Spektogram dari kata “uang” (tersangka A)



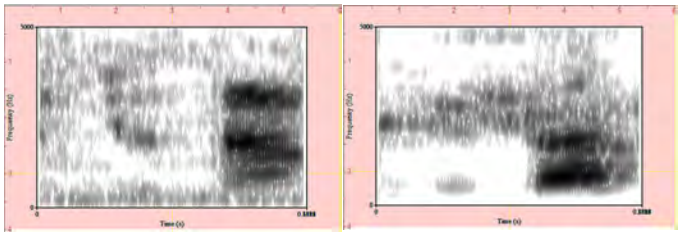
Gambar Lampiran 6. 23 Spektogram dari kata “sejumlah” (tersangka A)



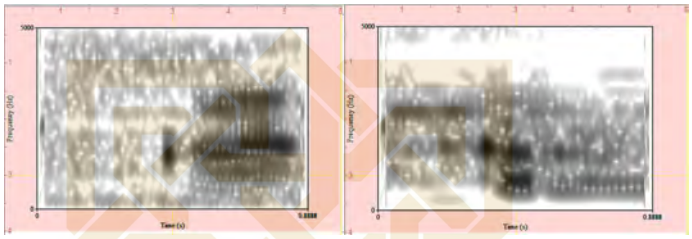
Gambar Lampiran 6. 24 Spektogram dari kata “lima” (tersangka A)



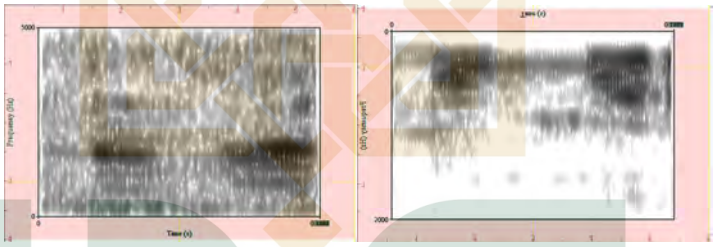
Gambar Lampiran 6. 25 Spektogram dari kata “puluh” (tersangka A)



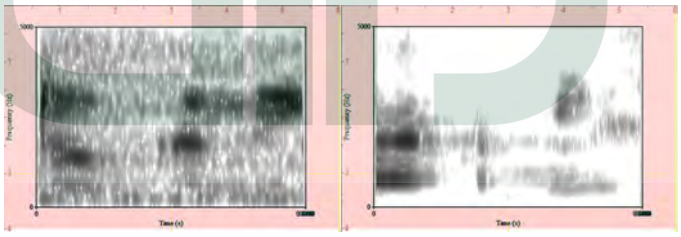
Gambar Lampiran 6. 26 Spektogram dari kata “juta” (tersangka A)



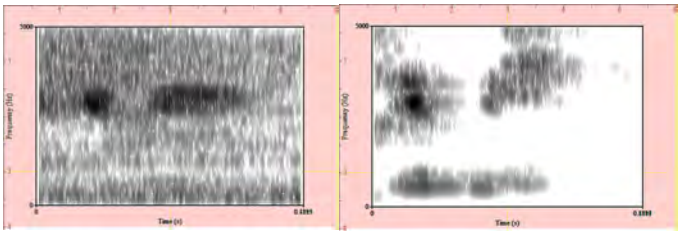
Gambar Lampiran 6. 27 Spektogram dari kata “ke” (tersangka A)



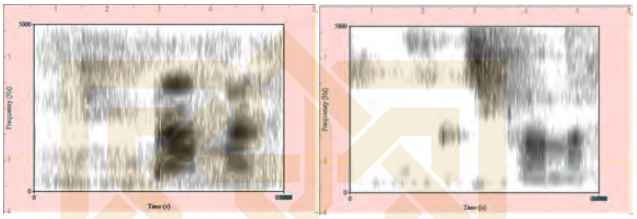
Gambar Lampiran 6. 28 Spektogram dari kata “nomor” (tersangka A)



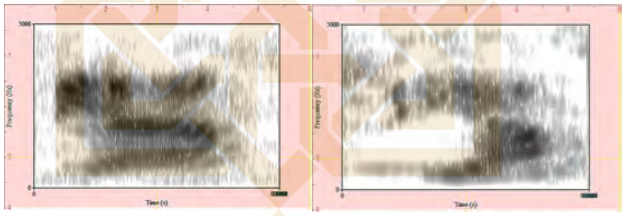
Gambar Lampiran 6. 29 Spektogram dari kata “rekening” (tersangka A)



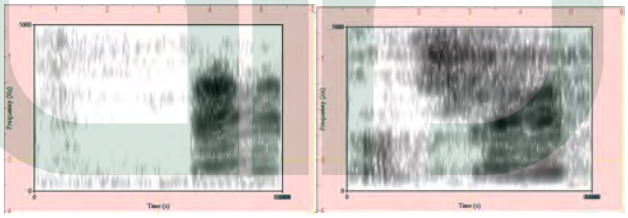
Gambar Lampiran 6. 30 Spektogram dari kata “ini” (tersangka A)



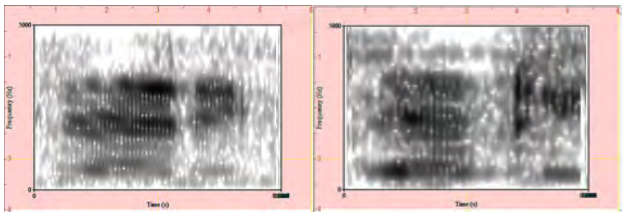
Gambar Lampiran 6. 31 Spektogram dari kata “selamat” (tersangka B)



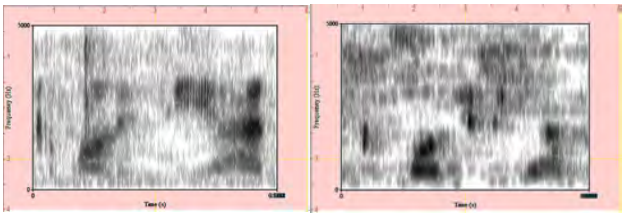
Gambar Lampiran 6. 32 Spektogram dari kata “siang” (tersangka B)



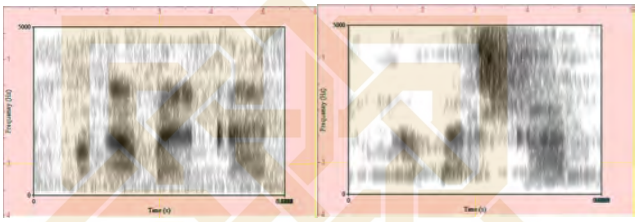
Gambar Lampiran 6. 33 Spektogram dari kata “saya” (tersangka B)



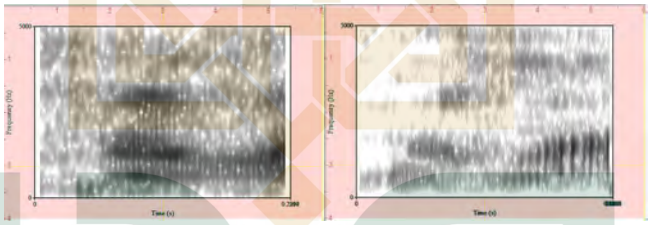
Gambar Lampiran 6. 34 Spektogram dari kata “dari” (tersangka B)



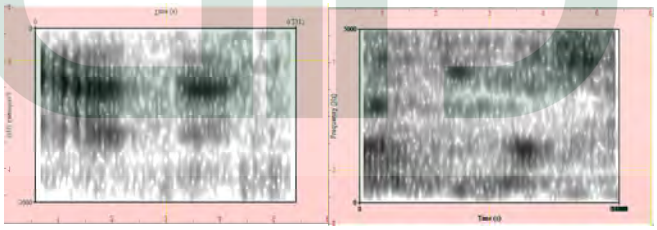
Gambar Lampiran 6. 35 Spektogram dari kata “kepolisian” (tersangka B)



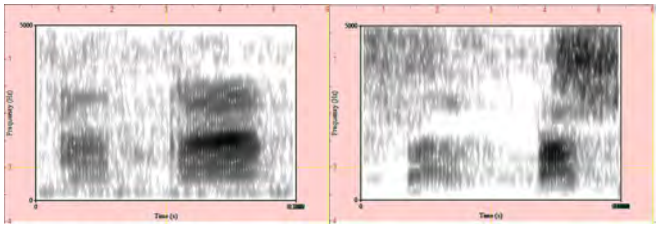
Gambar Lampiran 6. 36 Spektogram dari kata “mengabarkan” (tersangka B)



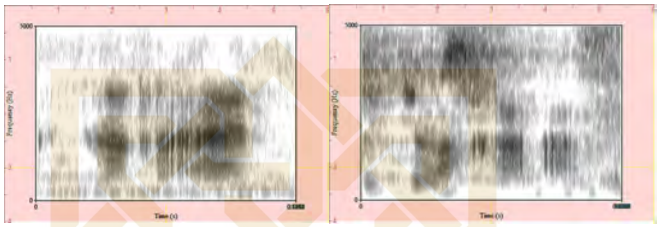
Gambar Lampiran 6. 37 Spektogram dari kata “bahwa” (tersangka B)



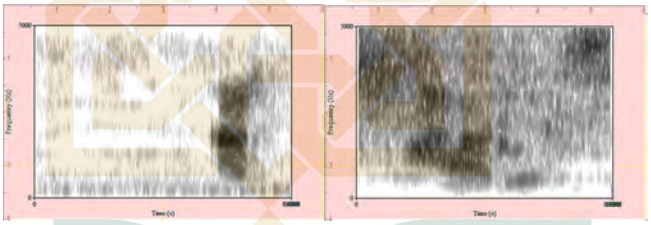
Gambar Lampiran 6. 38 Spektogram dari kata “anak” (tersangka B)



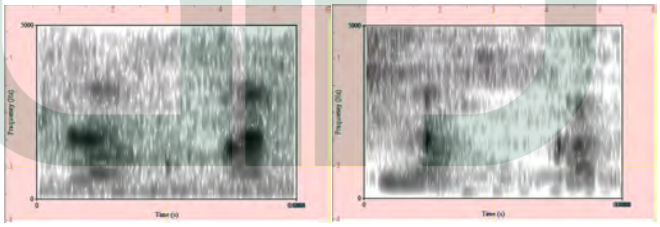
Gambar Lampiran 6. 39 Spektogram dari kata “bapak” (tersangka B)



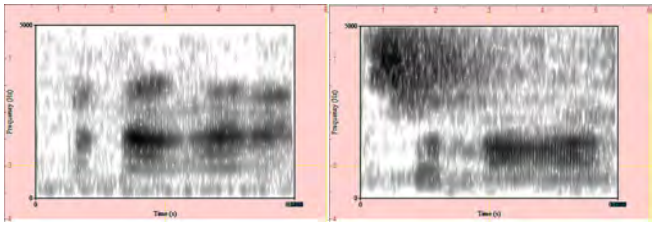
Gambar Lampiran 6. 40 Spektogram dari kata “kecelakaan” (tersangka B)



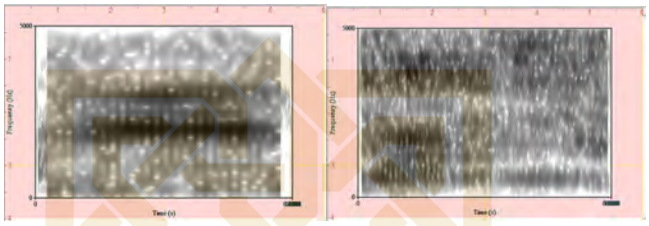
Gambar Lampiran 6. 41 Spektogram dari kata “harus” (tersangka B)



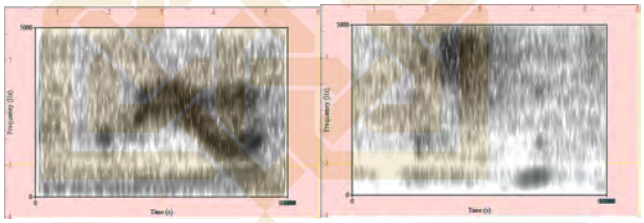
Gambar Lampiran 6. 42 Spektogram dari kata “dilakukan” (tersangka B)



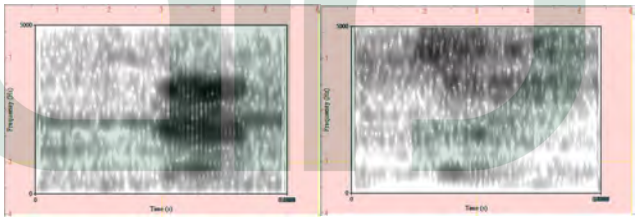
Gambar Lampiran 6. 43 Spektogram dari kata “penanganan” (tersangka B)



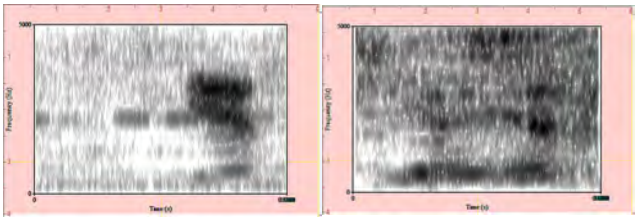
Gambar Lampiran 6. 44 Spektogram dari kata “yang” (tersangka B)



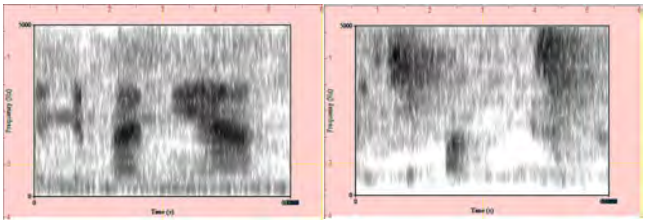
Gambar Lampiran 6. 45 Spektogram dari kata “serius” (tersangka B)



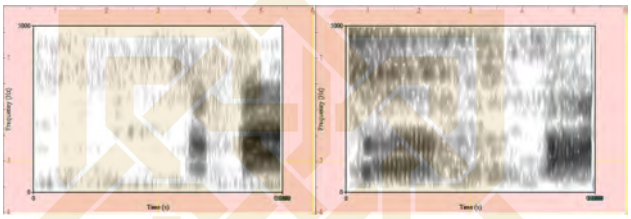
Gambar Lampiran 6. 46 Spektogram dari kata “dan” (tersangka B)



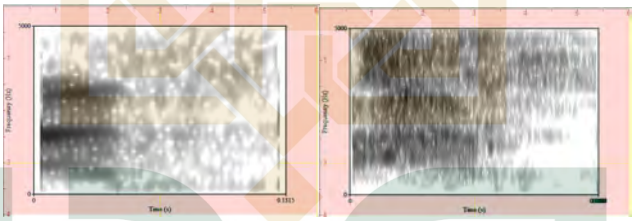
Gambar Lampiran 6. 47 Spektogram dari kata “biaya” (tersangka B)



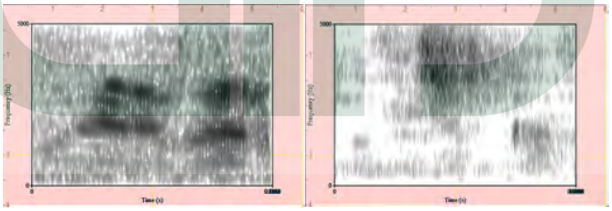
Gambar Lampiran 6. 48 Spektogram dari kata “secepatnya” (tersangka B)



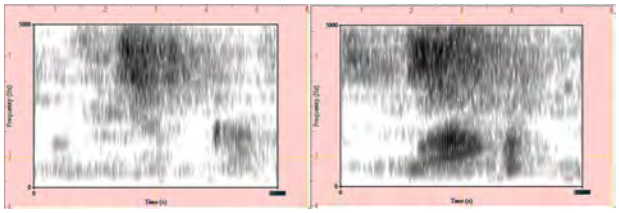
Gambar Lampiran 6. 49 Spektogram dari kata “bapak” (tersangka B)



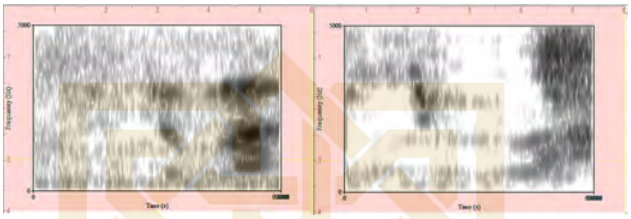
Gambar Lampiran 6. 50 Spektogram dari kata “harus” (tersangka B)



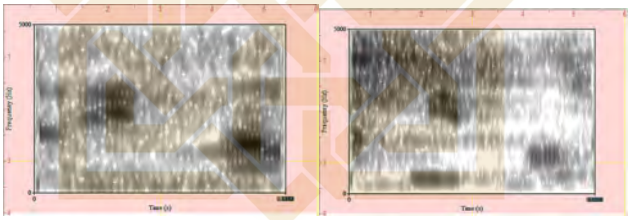
Gambar Lampiran 6. 51 Spektogram dari kata “mengirimkan” (tersangka B)



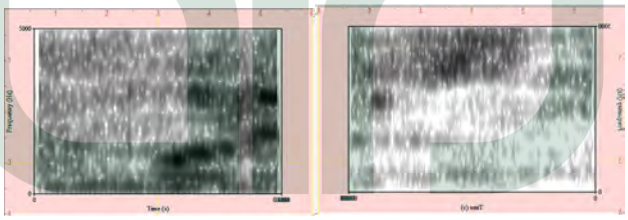
Gambar Lampiran 6. 52 Spektogram dari kata “uang” (tersangka B)



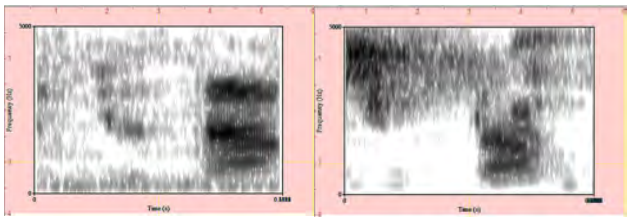
Gambar Lampiran 6. 53 Spektogram dari kata “sejumlah” (tersangka B)



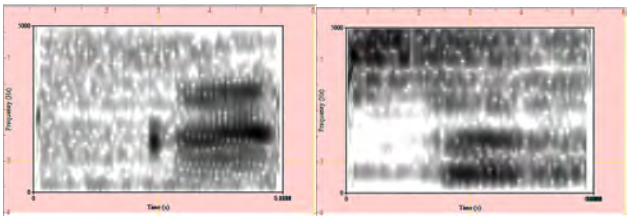
Gambar Lampiran 6. 54 Spektogram dari kata “lima” (tersangka B)



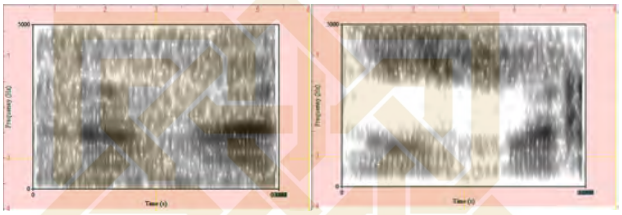
Gambar Lampiran 6. 55 Spektogram dari kata “puluh” (tersangka B)



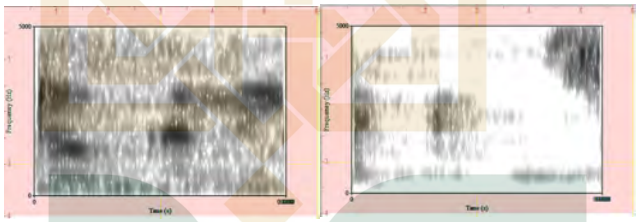
Gambar Lampiran 6. 56 Spektogram dari kata “juta” (tersangka B)



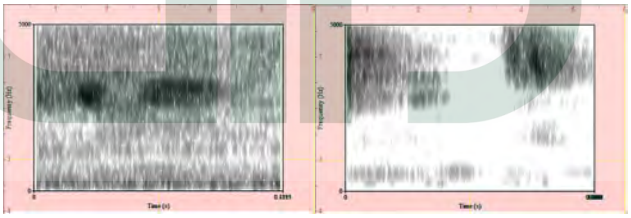
Gambar Lampiran 6. 57 Spektogram dari kata “ke” (tersangka B)



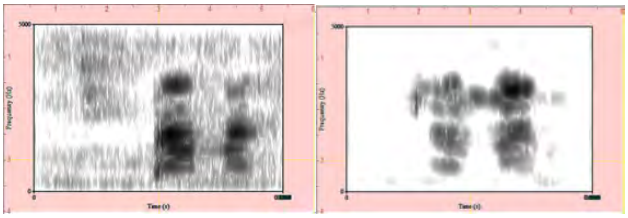
Gambar Lampiran 6. 58 Spektogram dari kata “nomor” (tersangka B)



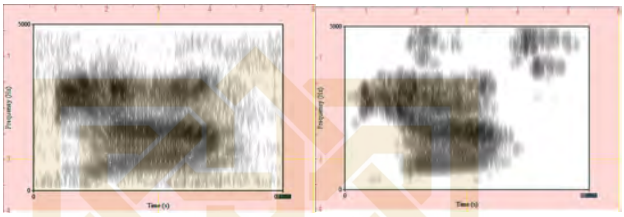
Gambar Lampiran 6. 59 Spektogram dari kata “rekening” (tersangka B)



Gambar Lampiran 6. 60 Spektogram dari kata “ini” (tersangka B)

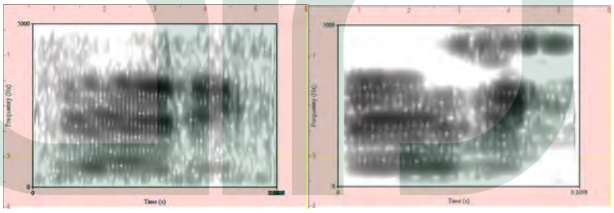


Gambar Lampiran 6. 61 Spektogram dari kata “selamat” (tersangka C)

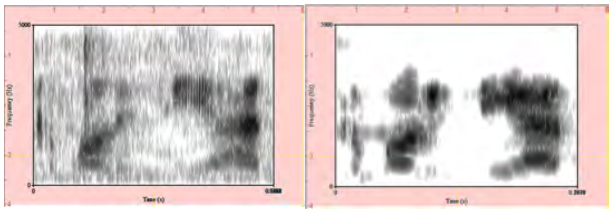


Gambar Lampiran 6. 62 Spektogram dari kata “siang” (tersangka C)

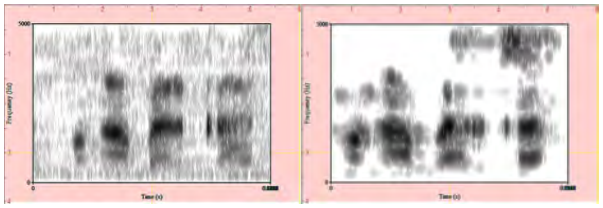
Gambar Lampiran 6. 63 Spektogram dari kata “saya” (tersangka C)



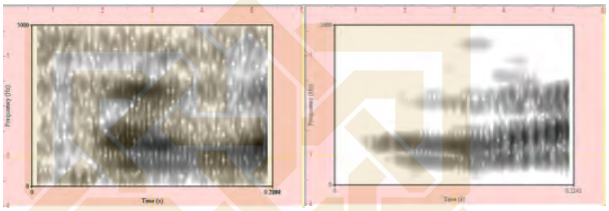
Gambar Lampiran 6. 64 Spektogram dari kata “dari” (tersangka C)



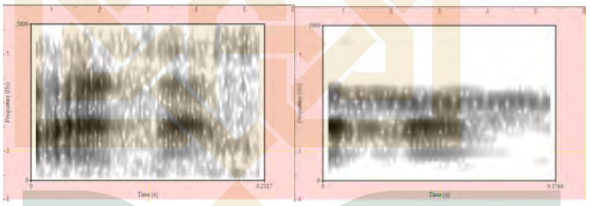
Gambar Lampiran 6. 65 Spektogram dari kata “kepolisian” (tersangka C)



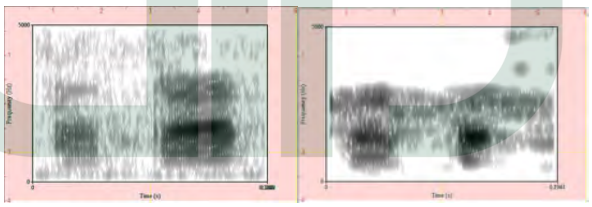
Gambar Lampiran 6. 66 Spektogram dari kata “mengabarkan” (tersangka C)



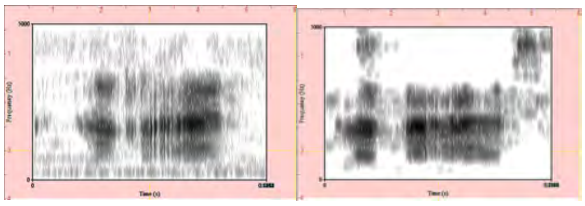
Gambar Lampiran 6. 67 Spektogram dari kata “bahwa” (tersangka C)



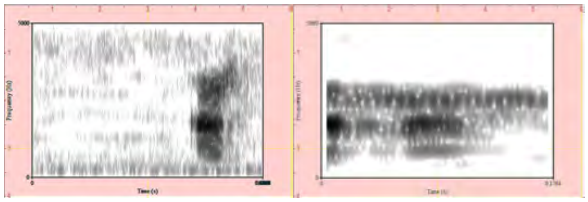
Gambar Lampiran 6. 68 Spektogram dari kata “anak” (tersangka C)



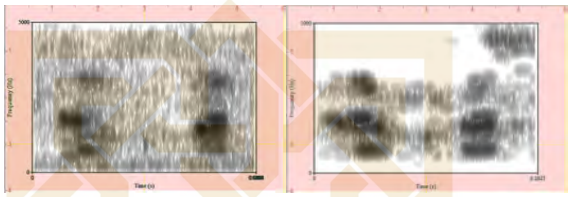
Gambar Lampiran 6. 69 Spektogram dari kata “bapak” (tersangka C)



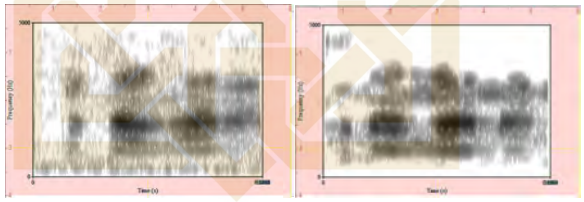
Gambar Lampiran 6. 70 Spektogram dari kata “kecelakaan” (tersangka C)



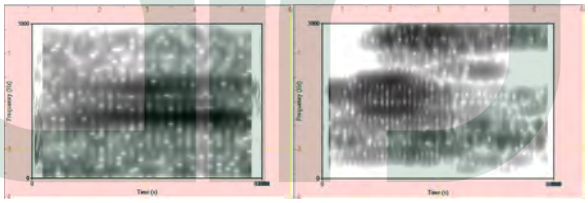
Gambar Lampiran 6. 71 Spektogram dari kata “harus” (tersangka C)



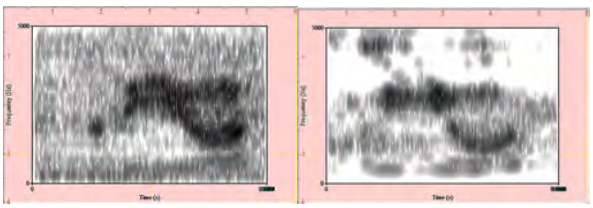
Gambar Lampiran 6. 72 Spektogram dari kata “dilakukan” (tersangka C)



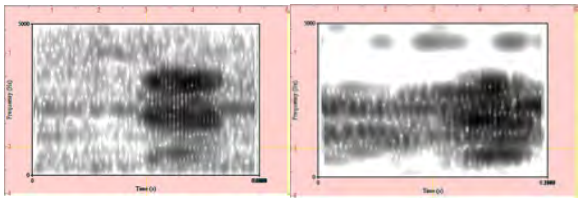
Gambar Lampiran 6. 73 Spektogram dari kata “penanganan” (tersangka C)



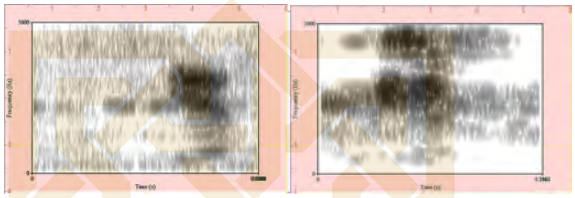
Gambar Lampiran 6. 74 Spektogram dari kata “yang” (tersangka C)



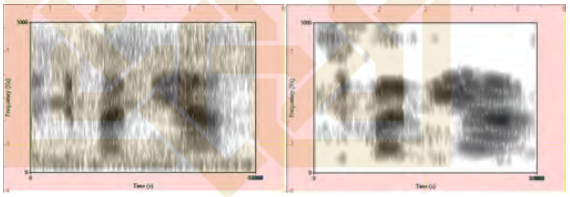
Gambar Lampiran 6. 75 Spektogram dari kata “serius” (tersangka C)



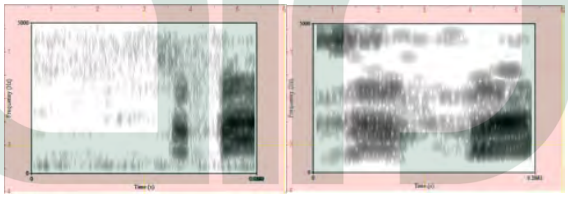
Gambar Lampiran 6. 76 Spektogram dari kata “dan” (tersangka C)



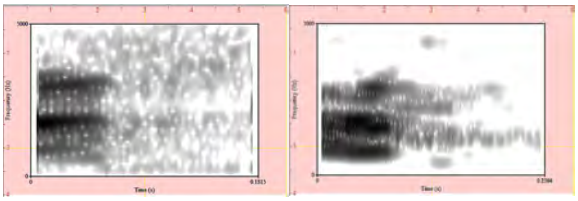
Gambar Lampiran 6. 77 Spektogram dari kata “biaya” (tersangka C)



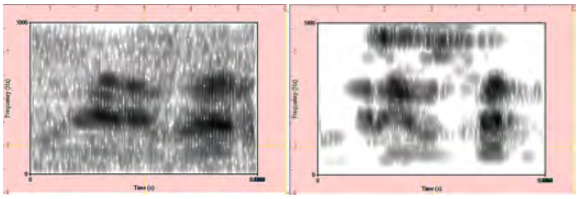
Gambar Lampiran 6. 78 Spektogram dari kata “secepatnya” (tersangka C)



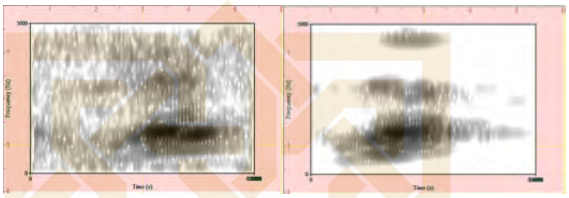
Gambar Lampiran 6. 79 Spektogram dari kata “bapak” (tersangka C)



Gambar Lampiran 6. 80 Spektogram dari kata “harus” (tersangka C)

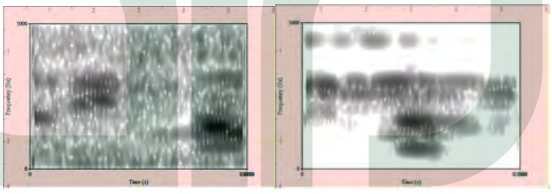


Gambar Lampiran 6. 81 Spektogram dari kata “mengirimkan” (tersangka C)

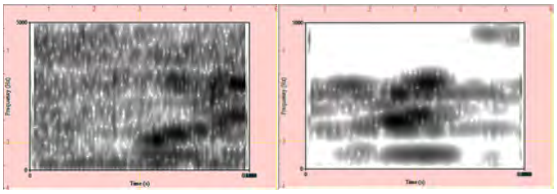


Gambar Lampiran 6. 82 Spektogram dari kata “uang” (tersangka C)

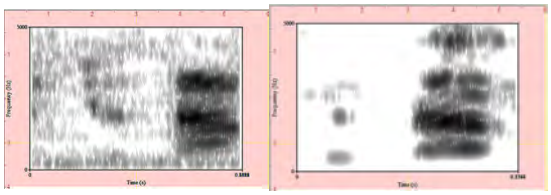
Gambar Lampiran 6. 83 Spektogram dari kata “sejumlah” (tersangka C)



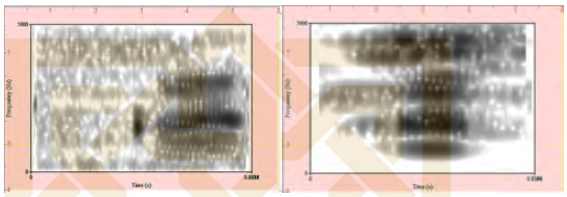
Gambar Lampiran 6. 84 Spektogram dari kata “lima” (tersangka C)



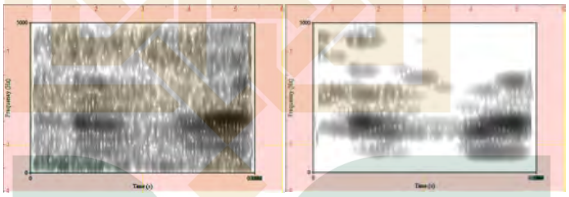
Gambar Lampiran 6. 85 Spektogram dari kata “puluh” (tersangka C)



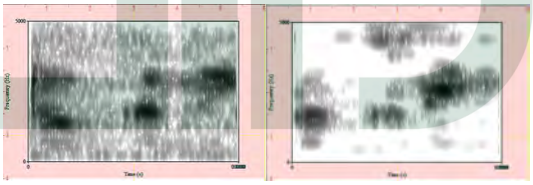
Gambar Lampiran 6. 86 Spektogram dari kata “juta” (tersangka C)



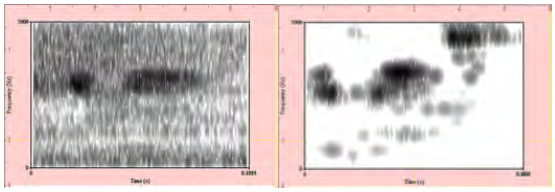
Gambar Lampiran 6. 87 Spektogram dari kata “ke” (tersangka C)



Gambar Lampiran 6. 88 Spektogram dari kata “nomor” (tersangka C)



Gambar Lampiran 6. 89 Spektogram dari kata “rekening” (tersangka C)



Gambar Lampiran 6. 90 Spektogram dari kata “ini” (tersangka C)

CURRICULUM VITAE

Biodata

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2003 – 2009	MI At-Taqwa Bondowoso