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SURAT KEPUTUSAN
KETUA PROGRAM PENDIDIKAN EKONOMI DAN KOPERASI
FPIPS UPI BANDUNG
 Nomor : 568/S/III/2008

Tentang
PENGANGKATAN PEMBIMBING PENULISAN SKRIPSI
KETUA PROGRAM PENDIDIKAN EKONOMI DAN KOPERASI

- Memperhatikan : 1. Undang-Undang Sistem Pendidikan Nasional No.20 Tahun 2003;
 2. Peraturan Pemerintah No.60 Tahun 1999 tentang Pendidikan Tinggi;
 3. SK Menteri Pendidikan Nasional No. 232 Tahun 2003 Tentang Penyusunan Kurikulum Pendidikan Tinggi;
 4. Pedoman Universitas Pendidikan Indonesia Bandung Tahun 2002/2003;
 5. PP Universitas Pendidikan Indonesia BHMN No.6 Tahun 2004
 6. Surat Keputusan Dekan FPIPS UPI Bandung No ... Tentang Pengangkatan Personal TPPS.
- Menimbang : Bahwa untuk pelayanan bimbingan penulisan skripsi atas nama mahasiswa tersebut diatas perlu diangkat pembimbing penyusunan skripsi.

MEMUTUSKAN

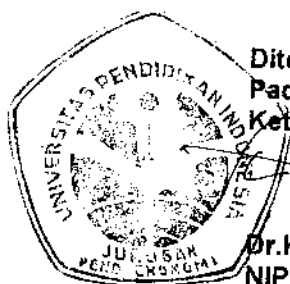
- Menetapkan : Mengangkat Dosen yang namanya tercantum di bawah ini sebagai pembimbing:

- | | |
|--|--|
| <p>1. Prof.Dr.H.Suryana, M.Si.
 2. Drs.A.Jajang W Mahri, M.Si.</p> | <p>Sebagai Pembimbing I
 Sebagai Pembimbing II</p> |
|--|--|

Dari mahasiswa atas nama : Mira Yuni Safitri Purwani : 044004 : judul :

"Pengaruh Persaingan dan Perilaku Kewirausahaan terhadap Pendapatan Usaha (Suatu Kasus pada Pedagang Pakaian Dewasa di Mall Metro Trade Centre)"

Surat Keputusan ini berlaku sejak ditetapkan selama 6 (enam) bulan, dengan ketentuan apabila dikemudian hari terdapat kekeliruan akan diadakan perbaikan sebagaimana mestinya.



Ditetapkan di Bandung
 Pada tanggal : 18 Maret 2008
 Ketua Program,

Dr.Kusnendi, MS.
 NIP. 131410904

TEMBUSAN :

1. Yth.Dekan FPIPS UPI Bandung;
2. Yth.Ketua Jurusan Pendidikan Ekonomi FPIPS UPI;
3. Yang bersangkutan.

FORMAT BIMBINGAN SKRIPSI

Nama : Mira Yuni Safitri Purwani
 NIM : 044004
 Jurusan/ Fakultas : Pendidikan Ekonomi Koperasi/ FPIPS
 Jenjang : S I
 Pembimbing I : Prof. Dr. H. Suryana, M.Si.
 Pembimbing II : A. Jajang W Mahri, Drs., M.Si
 Judul Skripsi :

"PENGARUH HARGA, PERSAINGAN, PERILAKU
 KEWIRAUSAHAAN DAN LOKASI USAHA TERHADAP PENDAPATAN
 PEDAGANG PAKAIAN JADI DI MALL TRADE CENTRE (MTC).

HARI/ TANGGAL	CATATAN	PARAF
Maret 2008	Analisis proposal	P
Selasa, 22 Juli 2008	Buatlah Bab I, II & III	P
Kamis, 31 Juli 2008	Cari penulisan kutipan langsung yang lebih dari 4 baris, diperbaiki (Operasional variabel dan angka tribuna)	P
Selasa, 05 Agustus 2008	Jaga Bab I, II & III Angket	P
12/8-08	Betulkan dan lanjutkan ke lampiran	P
17/09-08	Keptensi dg Hippien Hal penulisan sbly a dan lain lain sama saja	P

SBC ke R. 1



Nomor : 4634 /H.40/PLI/2008
Lamp. : Satu berkas proposal
Hal : *Pemohonan izin penelitian*

5 Agustus 2008

Kepada : Yth. Kepala Kantor Pengelola
METRO TRADE CENTRE
di
Tempat

Dengan hormat kami beritahukan, bahwa:

n a m a : MIRA YUNI SAFITRI P.
nomor pokok : 044004
jenjang / prodi : S-1 / Pendidikan Ekonomi Koperasi
jurusan / fakultas : Pendidikan Ekonomi / FPIPS UPI,
bermaksud mengadakan penelitian di lembaga/perusahaan yang
Bapak/Ibu/Saudara pimpin, dalam rangka penyusunan Skripsi dengan
judul :

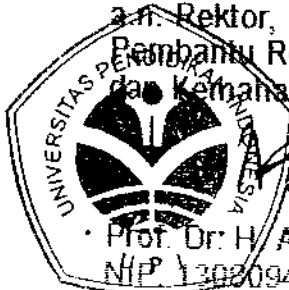
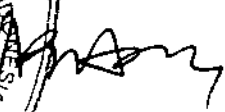
" PENGARUH HARGA JUAL, PERSAINGAN, PERILAKU
KEWIRAUSAHAAN, DAN PEMILIHAN LOKASI USAHA
TERHADAP PENDAPATAN "

(Studi Kasus pada Pedagang Pakaian Dewasa di Metro Trade Centre)

Sehubungan itu, kami mohon kiranya yang bersangkutan
mendapatkan bantuan izin untuk mengadakan kegiatan tersebut,
sehingga data yang diperlukan dapat terkumpul dengan baik.

Atas perhatian dan bantuannya, kami ucapkan terima kasih.

Prof. Dr. H. A. Chaedar Atwasillah, MA.
NIP. 130209457
Rektor,
Bantuan Rektor Bidang Akademik
dan Kemahasiswaan,



TEMBUSAN :

1. Dekan FPIPS Universitas Pendidikan Indonesia;
2. Ketua Jurusan Pendidikan Ekonomi FPIPS;
3. Ketua Prodi. Pendidikan Ekonomi Koperasi FPIPS UPI;
4. Yang bersangkutan.

SURAT PERMOHONAN ANGKET PENELITIAN

Kepada Yth: Bapak/ Ibu Pedagang
di Kawasan Mall Metro Trade Centre

Assalam Mualaikum Wr.Wb

Dalam rangka penyelesaian tugas akhir penyusunan skripsi sebagai salah satu syarat menempuh Ujian Sarjana pada Jurusan Ekonomi dan Koperasi FPIPS UPI Bandung, dengan segala hormat dan kerendahan hati saya mohon kesediaan bapak/ ibu untuk mengisi angket penelitian yang saya ajukan dengan selengkap-lengkapnyanya. Angket ini saya perlukan untuk menyelesaikan skripsi dengan judul “Pengaruh Persaingan dan Perilaku Kewirausahaan Terhadap Pendapatan Usaha (Suatu Kasus pada Pedagang Pakaian Dewasa Di Mall Metro Trade Centre)”.

Perlu bapak/ ibu ketahui bahwa pengisian angket ini tidak mempengaruhi posisi bapak/ ibu sebagai pedagang di Mall Metro Trade Centre. Kesediaan bapak/ ibu dalam mengisi angket sangat membantu kelancaran penelitian ini.

Atas segala bantuan dan kerjasama yang diberikan bapak/ ibu saya ucapkan terima kasih.

Wassalam Mualaikum Wr. Wb.

Bandung, Agustus 2008

Mira Yuni Safitri Purwani

Petunjuk pengisian:

1. Bacalah dengan teliti setiap pertanyaan yang diajukan
2. Jawablah pertanyaan dibawah ini dengan jujur dan apa adanya
3. Jika bapak/ ibu kurang mengerti atau membutuhkan penjelasan, maka jangan segan untuk bertanya kepada pemberi angket
4. Untuk soal bagian I (Identitas Responden) dan IV (Pendapatan), Anda diminta untuk mengisi pertanyaan dengan jujur dan apa adanya
5. Untuk contoh soal bagian II (Persaingan) seperti dibawah ini, berilah jawaban pada setiap pertanyaan yang dianggap paling sesuai dengan konsep usaha Anda dengan cara membubuhkan tanda (√) pada jawaban yang telah disediakan. Jika jawaban Anda mendekati angka 5 maka persepsi Anda terhadap pertanyaan dinilai positif sesuai dengan keterangan yang ada, sebaliknya jika jawaban Anda mendekati angka 1 maka persepsi Anda terhadap pertanyaan dinilai negatif sesuai dengan keterangan yang ada. Dan jika jawaban Anda terletak di angka 3 maka persepsi Anda pada pertanyaan dinilai netral

No	Aspek	Keterangan	1	2	3	4	5	Keterangan
12.	Persaingan dalam penetapan harga	Mahal				√		Murah
13.	Kualitas produk yang dimiliki	Rendah					√	Tinggi
14.	Diferensiasi produk	Tidak Bervariasi			√			Bervariasi

6. Untuk contoh soal bagian III (Perilaku Kewirausahaan) seperti dibawah ini, berilah jawaban pada setiap pertanyaan yang dianggap paling sesuai dengan pendapat Anda mengenai usaha yang sedang Anda geluti dengan

cara membubuhkan tanda (√) pada jawaban yang telah disediakan. Adapun

ketentuannya sebagai berikut:

Skor 1 = Tidak Pernah

Skor 2 = Pernah

Skor 3 = Jarang

Skor 4 = Kadang-kadang

Skor 5 = Selalu

No	Pernyataan	1	2	3	4	5
26.	Saya memanfaatkan peluang dengan melihat kelemahan pesaing		√			
27.	Saya mencari informasi tentang mode pakaian yang sedang nge-trend saat ini melalui media cetak, media elektronik (internet, radio, televisi), dan bertanya langsung pada konsumen					√
28.	Saya memanfaatkan event-event tertentu untuk meningkatkan omset penjualan saya				√	

BAGIAN II

PERSAINGAN

Berilah tanda (√) pada skor 1-5 sesuai dengan kegiatan usaha Anda

Bagaimana pandangan terhadap konsep usaha Anda dengan Pedagang yang lainnya?

No	Aspek	Keterangan	1	2	3	4	5	Keterangan
12.	Persaingan dalam penetapan harga	Mahal						Murah
13.	Kualitas produk yang dimiliki	Rendah						Tinggi
14.	Diferensiasi produk	Tidak Bervariasi						Bervariasi
15.	Citra Produk	Jelek						Bagus
16.	Promosi	Tidak Berpromosi						Berpromosi
17.	Kenyamanan berbelanja	Tidak Nyaman						Nyaman
18.	Keramahmatan	Tidak Ramah						Ramah
19.	Kepuasan konsumen	Tidak diutamakan						Diutamakan
20.	Kemampuan mengelola bisnis dan manajemen	Tidak Terampil						Terampil
21.	Pengunaan teknologi	Tradisional						Modern
22.	Kinerja perusahaan	Tidak Optimal						Optimal
23.	Citra Perusahaan	Buruk						Baik
24.	Persaingan dalam modal	Kecil						Besar
25.	Persaingan dalam lokasi usaha	Tidak strategis						strategis

BAGIAN III

PERILAKU KEWIRAUSAHAAN

Berilah tanda (\surd) pada skor 1-5 yang sesuai dengan pendapat bapak/ ibu mengenai usaha yang sedang Anda geluti. Adapun ketentuannya sebagai berikut:

Skor 1 : Tidak Pernah

Skor 2 : Pernah

Skor 3 : Jarang

Skor 4 : Kadang-kadang

Skor 5 : Selalu

No	Pernyataan	1	2	3	4	5
26.	Saya memanfaatkan peluang dengan melihat kelemahan pesaing					
27.	Saya mencari informasi tentang mode pakaian yang sedang nge-trend saat ini melalui media cetak, media elektronik (internet, radio, televisi), dan bertanya langsung pada konsumen					
28.	Saya memanfaatkan event-event tertentu untuk meningkatkan omset penjualan saya					
29.	Saya menghadiri seminar usaha					
30.	Saya mencoba meningkatkan kualitas produk dengan memberikan sentuhan inovasi pada setiap produk yang saya miliki					
31.	Saya menerima ide-ide baru dalam desain produk yang akan dijual					
32.	Saya menemukan ide baru untuk menambah koleksi produk yang saya miliki					
33.	Saya mencari cara-cara baru dalam menjual produk					
34.	Saya berani menanggung semua resiko kerugian termasuk atas barang yang tidak laku, kehilangan, dan rusak					
35.	Saya berani menanggung resiko apabila produk yang saya beli ternyata harganya diatas harga pasar					
36.	Merumuskan tujuan perusahaan dan merencanakan strategi bersaing dalam menghadapi perusahaan lain					
37.	Saya menerima kritikan dan keluhan jika produk yang saya miliki kualitasnya kurang bagus dan desainnya tidak disukai konsumen					
38.	Saya membuat rincian keuangan tiap bulannya					
39.	Saya mengawasi dan mengevaluasi setiap kegiatan usaha saya					
40.	Memiliki kepribadian kharismatik seperti mampu berkomunikasi dan mampu bekerja sama dengan orang lain, bertanggung jawab, jujur, disiplin, ulet, bijaksana, pantang menyerah, pengambil resiko, pembuat keputusan, dan mampu memimpin					
41.	Saya memotivasi, melaksanakan, dan mengarahkan terhadap tujuan-tujuan usaha					

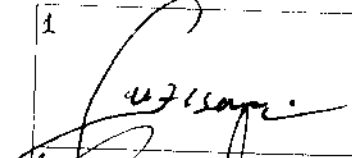

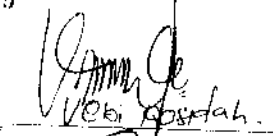

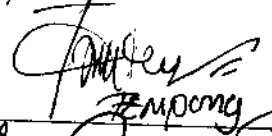
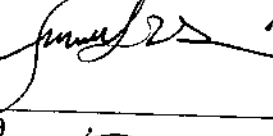
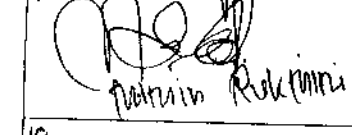
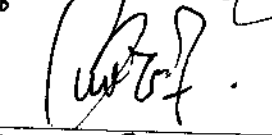
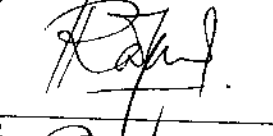
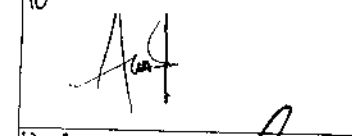
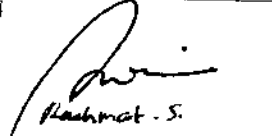
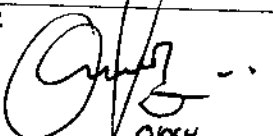

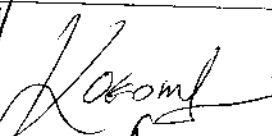
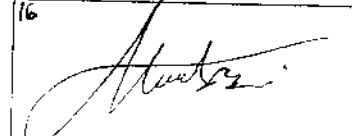
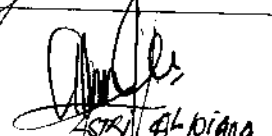
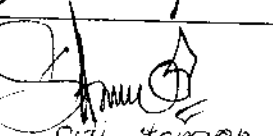
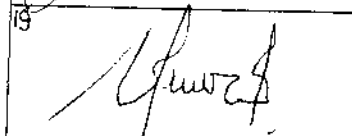
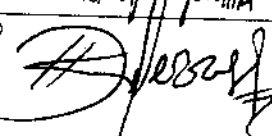
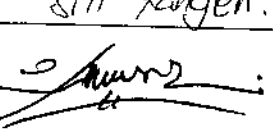
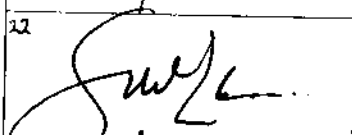

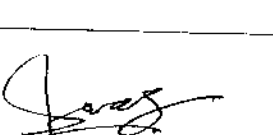
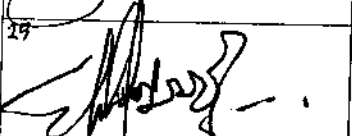
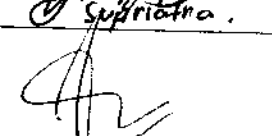
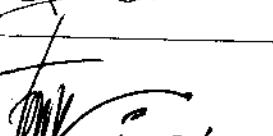
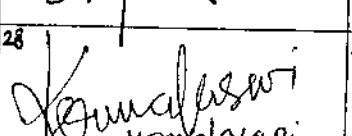
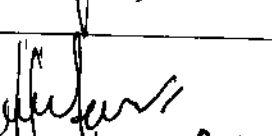
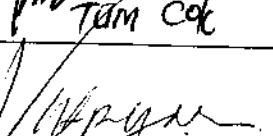

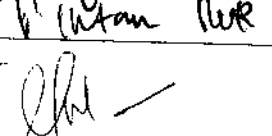
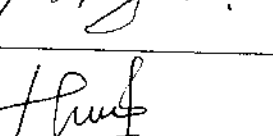
BAGIAN IV
PENDAPATAN USAHA

Isilah titik-titik di bawah ini sesuai dengan laporan keuangan usaha Anda


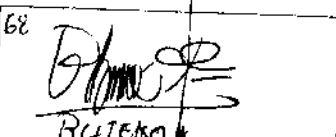
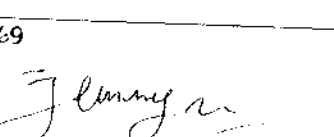
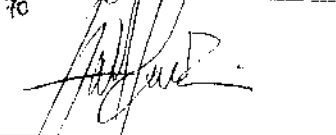
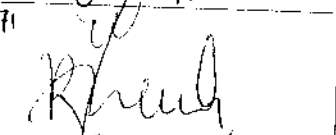
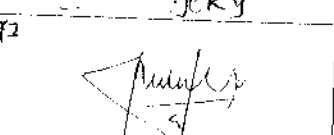
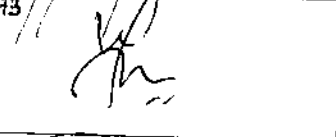

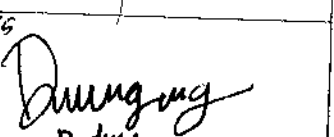
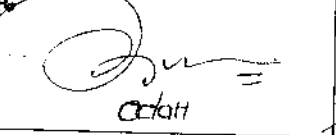
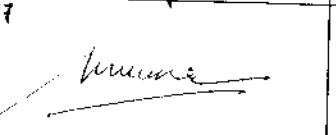
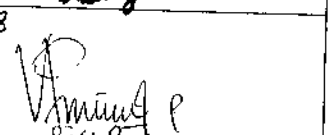
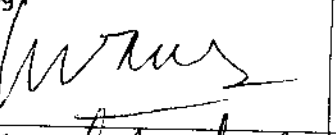
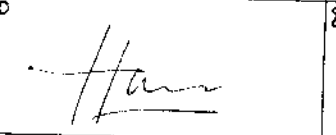
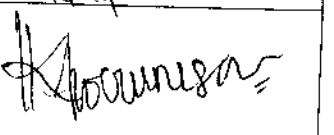
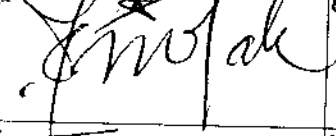
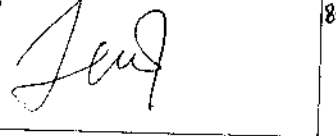
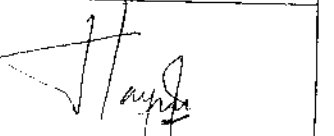
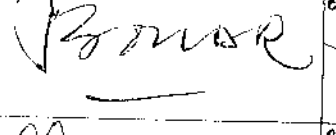
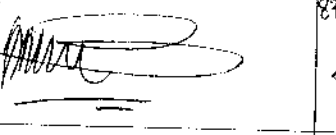
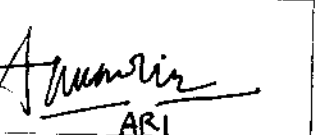
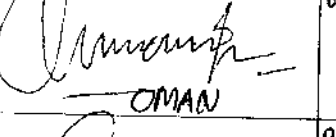

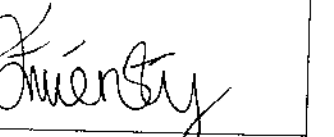

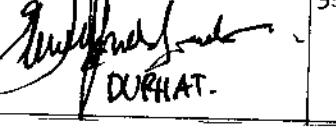
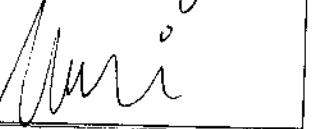
42. Berapa jumlah pendapatan yang Anda peroleh dari mulai bulan Januari sampai bulan Mei 2008?

- a. Januari Rp.....
- b. Februari Rp.....
- c. Maret Rp.....
- d. April Rp.....
- e. Mei Rp.....

TANDA BUKTI PENELITIAN

1  W. S. S.	2  OBAN. R	3  Vebi Spriah.
4 	5  ZEMONG	6 
7  Rahmim Rukimiri	8 	9 
10 	11  Rahmat. S.	12  ORCH.
13 	14 	15 
16 	17  ASTRI ALPIANA	18  Siti Yangen.
19 	20 	21 
22 	23  Supriatna.	24 
25 	26 	27  TAM COK
28  Komalasari Komalasari	29  Lutan Rur	30 
31 	32 	33  H. S. Maesard.

34		35	 MARI MARI	36	
37	 Mariah - K.	38		39	
40		41	 Jafar.	42	 RIFKI
43		44	 EBIE	45	 Kocah.
46		47		48	
49	 ERLIN DARUNA	50		51	
52		53	 ABDO SUTANA	54	
55		56		57	
58	 E/R ASD	59		60	
61		62		63	
64		65		66	 Zulkfli ZULKFLI

67 	68  BYTEROK	69  JERRY
70 	71  Rendi	72 
73 	74 	75  Dungung Dudung
76  Octah	77 	78  Ria P
79 	80  Hani	81 
82  Iwofak	83  Jend	84 
85  Pomora	86 	87  ARI
88  OMAN	89 	90  Sienty
91 	92  DURHAT.	93  Miri

HASIL PENGUJIAN VALIDITAS dan RELIABILITAS

Hasil Perhitungan Korelasi Untuk Variabel Persaingan

No item	r hitung	r tabel	Kesimpulan
X1.12	0,3964	0,206	Valid
X1.13	0,3492	0,206	Valid
X1.14	0,7099	0,206	Valid
X1.15	0,4772	0,206	Valid
X1.16	0,6775	0,206	Valid
X1.17	0,4629	0,206	Valid
X1.18	0,5298	0,206	Valid
X1.19	0,6439	0,206	Valid
X1.20	0,5814	0,206	Valid
X1.21	0,7215	0,206	Valid
X1.22	0,4445	0,206	Valid
X1.23	0,3367	0,206	Valid
X1.24	0,5958	0,206	Valid
X1.25	0,5310	0,206	Valid

Sumber: Data Primer Hasil Penelitian 2008 (diolah)

Uji Reliabilitas Persaingan

Total item	14
Σ varians item	11,197
Varians total	45,092
Reliabilitas	0,759

Sumber: Data Primer Hasil Penelitian 2008 (diolah)

Hasil Perhitungan Korelasi Untuk Variabel Perilaku Kewirausahaan

No item	r hitung	r tabel	Kesimpulan
X2.26	0,2410	0,206	Valid
X2.27	0,3657	0,206	Valid
X2.28	0,3329	0,206	Valid
X2.29	0,3744	0,206	Valid
X2.30	0,5182	0,206	Valid
X2.31	0,5618	0,206	Valid
X2.32	0,2551	0,206	Valid
X2.33	0,3716	0,206	Valid
X2.34	0,3892	0,206	Valid
X2.35	0,3892	0,206	Valid
X2.36	0,4393	0,206	Valid
X2.37	0,5395	0,206	Valid
X2.38	0,4192	0,206	Valid
X2.39	0,3799	0,206	Valid
X2.40	0,4605	0,206	Valid
X2.41	0,2230	0,206	Valid

Sumber: Data Primer Hasil Penelitian 2008 (diolah)

Uji Reliabilitas Perilaku Kewirausahaan

Total item	16
Σ varians item	14.389
Varians total	35.543
Reliabilitas	0.601

Sumber: Data Primer Hasil Penelitian 2008 (diolah)

VALIDITAS DAN RELIABILITAS VARIABEL XI

No	Item Pertanyaan Variabel X 1															Total
	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
1	4	4	4	3	3	4	3	3	3	3	4	4	4	3	49	
2	4	4	4	3	3	4	3	3	3	3	4	4	4	3	49	
3	5	5	5	4	3	5	4	5	3	4	5	3	5	4	60	
4	3	4	4	4	3	3	4	3	3	4	5	5	4	3	52	
5	4	3	4	4	3	4	4	3	5	5	4	3	4	3	52	
6	4	5	4	5	4	4	4	4	4	2	4	4	4	4	56	
7	4	4	2	2	2	4	3	4	3	2	4	2	4	2	42	
8	5	5	5	5	4	5	4	5	5	5	5	3	4	5	65	
9	5	5	5	5	4	5	4	5	4	4	5	3	4	5	63	
10	4	4	4	5	5	4	4	4	5	5	4	5	5	4	62	
11	4	4	4	3	4	5	4	3	4	3	4	4	5	3	54	
12	5	5	4	4	3	3	4	4	4	3	3	4	4	4	54	
13	4	3	4	4	5	5	5	5	4	4	5	5	5	5	63	
14	5	4	4	4	3	5	5	4	4	4	4	5	5	4	60	
15	5	5	5	5	5	4	4	3	3	5	3	5	5	5	62	
16	4	4	2	3	2	4	3	2	3	2	4	4	3	3	43	
17	2	5	4	5	5	5	4	4	4	3	3	5	5	5	59	
18	4	5	5	4	3	4	3	5	5	5	4	5	5	3	60	
19	4	3	4	5	3	5	4	5	4	4	4	3	4	4	56	
20	3	3	3	4	3	4	3	2	3	2	4	4	3	3	44	
21	3	3	4	3	2	4	2	3	2	2	3	4	3	4	42	
22	3	2	4	4	2	4	4	2	3	4	4	4	4	4	48	
23	5	5	2	5	2	2	2	2	4	1	2	4	4	2	42	

24	3	3	3	4	2	5	4	4	4	3	2	2	3	2	4	5	46
25	4	5	4	5	4	4	4	4	4	2	5	4	3	4	4	5	57
26	4	2	4	4	5	5	4	5	4	4	5	4	4	5	4	59	
27	5	3	3	3	4	2	5	4	4	3	3	2	4	4	3	48	
28	4	2	2	4	4	4	4	3	3	4	4	3	5	4	4	54	
29	4	2	2	4	4	4	4	3	4	4	4	4	4	3	5	53	
30	5	5	5	5	5	5	5	3	5	5	5	5	5	5	5	68	
31	5	4	5	5	4	4	5	4	4	4	4	3	4	4	4	57	
32	4	4	4	4	4	5	5	3	3	3	5	4	4	4	5	59	
33	3	3	3	4	5	3	4	4	3	3	4	3	3	5	4	52	
34	4	3	3	4	4	4	3	3	3	3	3	2	3	3	3	46	
35	2	5	5	5	4	4	5	4	4	4	3	3	4	4	4	55	
36	5	4	5	5	5	5	5	5	5	3	3	4	4	4	5	62	
37	5	4	4	4	2	4	4	4	4	3	4	4	3	3	3	50	
38	4	5	4	4	4	5	4	3	5	3	4	3	3	2	4	54	
39	4	2	4	4	4	4	5	3	4	4	5	5	3	3	4	54	
40	3	5	4	4	4	5	3	4	4	4	4	4	3	4	4	56	
41	3	4	4	5	5	3	5	5	2	2	5	2	4	4	3	53	
42	4	4	4	5	5	4	5	2	5	5	5	2	4	4	4	57	
43	4	4	4	4	4	2	4	2	4	4	3	2	4	4	4	49	
44	4	4	4	4	5	5	5	4	5	5	5	4	4	4	4	61	
45	5	5	5	5	5	4	4	3	3	3	3	4	3	3	2	52	
46	5	3	3	4	3	2	4	1	3	3	2	3	4	3	5	46	
47	5	4	4	5	5	3	5	3	4	4	4	3	3	5	3	57	
48	4	4	4	5	4	5	4	5	4	4	3	5	4	4	5	61	
49	4	3	3	4	4	4	3	2	3	3	4	2	4	3	4	48	
50	4	5	4	4	4	4	4	3	3	3	3	3	4	5	3	54	

51	3	4	4	4	3	3	3	3	4	3	3	4	4	4	3	5	4	52
52	3	4	3	4	3	3	1	3	3	2	4	2	4	5	4	3	44	
53	2	2	2	4	2	4	4	2	2	2	2	2	2	4	2	4	36	
54	4	3	4	3	4	4	4	4	3	3	3	3	3	4	3	3	48	
55	3	3	4	4	3	5	3	3	4	4	3	4	4	4	3	4	50	
56	4	4	3	2	4	3	2	2	4	4	2	2	3	4	4	4	45	
57	4	4	3	3	3	4	4	2	2	3	1	3	3	3	3	3	41	
58	3	4	4	4	4	3	4	3	4	3	3	3	4	4	4	3	50	
59	5	5	4	4	4	3	5	3	2	2	4	5	4	4	4	3	52	
60	3	3	3	4	2	4	4	4	4	3	4	2	2	3	3	4	45	
61	3	3	3	4	2	4	4	4	4	3	2	2	2	4	4	3	44	
62	5	4	4	4	4	3	5	4	3	3	5	3	3	4	4	3	56	
63	2	3	2	4	4	2	5	4	2	2	2	2	2	4	4	4	42	
64	3	2	5	5	5	2	5	2	1	1	2	2	2	3	3	3	40	
65	2	4	4	4	4	3	4	3	2	4	4	4	4	3	3	4	48	
66	4	4	4	4	4	4	3	4	3	3	4	4	4	3	4	4	49	
67	5	4	5	4	4	5	4	5	4	3	5	5	5	4	3	5	60	
68	5	5	5	4	3	4	4	3	4	4	2	2	2	3	4	4	54	
69	5	4	5	5	5	5	5	4	2	5	5	5	5	4	3	4	58	
70	5	4	4	4	4	5	5	3	4	4	2	2	2	4	4	4	56	
71	5	4	5	4	4	4	4	4	2	2	1	2	2	3	3	4	60	
72	5	4	4	4	4	5	4	3	4	5	4	3	3	4	4	4	56	
73	5	5	4	4	5	4	4	2	2	2	2	2	2	2	2	2	46	
74	4	4	4	4	2	2	3	3	3	4	3	3	3	3	3	4	44	
75	4	4	4	4	3	3	4	3	3	3	3	3	3	4	4	3	49	
76	4	4	4	4	3	3	4	3	3	3	3	3	3	4	4	3	49	
77	5	5	5	4	4	3	5	4	5	5	4	4	4	5	3	4	60	

Successive Interval X 1

12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL
2.876048277	2.79107	2.75941	1.80386	2.0198	3.34394	2.89656	3.34168	2.834	3.04612	3.42148	3.20654	3.16872	2.10781	39,617
2.876048277	2.79107	2.75941	1.80386	2.0198	3.34394	2.89656	3.34168	2.834	3.04612	3.42148	3.20654	3.16872	2.10781	39,617
4.081227377	3.94767	4.1336	2.85078	2.0198	4.68954	3.95109	5.23114	2.834	3.77621	4.71551	2.10388	4.37408	3.14339	51,852
1.942659387	2.79107	2.75941	2.85078	2.0198	2.24467	3.95109	3.34168	2.834	3.77621	4.71551	4.45024	3.16872	2.10781	42,954
2.876048277	1.91209	2.75941	2.85078	2.0198	3.34394	3.95109	3.34168	4.78204	4.75629	3.42148	2.10388	2.12886	2.10781	42,355
2.876048277	3.94767	2.75941	4.18124	2.80132	3.34394	3.95109	4.22767	3.73499	1.9268	3.42148	3.20654	3.16872	3.14339	46,956
2.876048277	2.79107	1	1	1	3.34394	2.89656	4.22767	2.834	2.19268	3.42148	1	3.16872	1	32,752
4.081227377	3.94767	4.1336	4.18124	2.80132	4.68954	3.95109	5.23114	4.78204	4.75629	4.71551	2.10388	3.16872	4.30736	56,851
4.081227377	3.94767	4.1336	4.18124	2.80132	4.68954	3.95109	5.23114	3.73499	3.77621	4.71551	2.10388	3.16872	4.30736	54,823
2.876048277	2.79107	2.75941	4.18124	3.78028	3.34394	3.95109	4.22767	4.78204	4.75629	3.42148	4.45024	4.37408	3.14339	52,838
2.876048277	2.79107	2.75941	1.80386	2.80132	4.68954	3.95109	3.34168	3.73499	3.04612	3.42148	3.20654	4.37408	2.10781	44,905
4.081227377	3.94767	2.75941	2.85078	2.0198	2.24467	3.95109	4.22767	3.73499	3.04612	2.22427	3.20654	3.16872	3.14339	44,606
2.876048277	1.91209	2.75941	2.85078	3.78028	4.68954	5.1646	5.23114	3.73499	3.77621	4.71551	4.45024	4.37408	4.30736	54,622
4.081227377	2.79107	2.75941	2.85078	2.0198	4.68954	5.1646	4.22767	3.73499	3.77621	3.42148	4.45024	4.37408	3.14339	51,484
4.081227377	3.94767	4.1336	4.18124	3.78028	3.34394	3.95109	3.34168	2.834	4.75629	2.22427	4.45024	4.37408	4.30736	53,707
2.876048277	2.79107	1	1.80386	1	3.34394	2.89656	2.32222	2.834	2.19268	3.42148	3.20654	2.12886	2.10781	33,925
1	3.94767	2.75941	4.18124	3.78028	4.68954	3.95109	4.22767	3.73499	3.04612	2.22427	4.45024	4.37408	4.30736	50,674
2.876048277	3.94767	4.1336	2.85078	2.0198	3.34394	2.89656	5.23114	4.78204	4.75629	3.42148	4.45024	4.37408	2.10781	51,191
2.876048277	1.91209	2.75941	4.18124	2.0198	4.68954	3.95109	5.23114	3.73499	3.77621	3.42148	2.10388	3.16872	3.14339	46,969
1.942659387	1.91209	1.70245	2.85078	2.0198	3.34394	2.89656	2.32222	2.834	2.19268	3.42148	3.20654	2.12886	2.10781	34,882
1.942659387	1.91209	2.75941	1.80386	1	3.34394	1.94962	3.34168	1.91576	1.9268	2.22427	3.20654	2.12886	3.14339	32,865
1.942659387	1	2.75941	2.85078	1	3.34394	3.95109	2.32222	2.834	3.77621	3.42148	3.20654	3.16872	3.14339	38,72
4.081227377	3.94767	1	4.18124	1	1.60106	1.94962	2.32222	3.73499	1	1	3.20654	3.16872	1	33,193
1.942659387	1.91209	2.75941	1	3.78028	3.34394	3.95109	3.34168	1.91576	2.19268	2.22427	1	3.16872	4.30736	36,84
2.876048277	3.94767	4.1336	2.85078	2.80132	3.34394	3.95109	2.32222	4.78204	3.77621	2.22427	3.20654	3.16872	4.30736	47,692
2.876048277	1	2.75941	4.18124	3.78028	3.34394	5.1646	4.22767	4.78204	3.77621	3.42148	4.45024	3.16872	3.14339	50,075
4.081227377	1.91209	1.70245	2.85078	1	4.68954	3.95109	3.34168	2.834	2.19268	3.42148	3.20654	2.12886	2.10781	39,42
2.876048277	1	2.75941	2.85078	2.80132	3.34394	2.89656	4.22767	3.73499	3.04612	4.71551	3.20654	4.37408	3.14339	44,976
2.876048277	1	2.75941	2.85078	2.80132	3.34394	2.89656	4.22767	3.73499	3.77621	3.42148	2.10388	4.37408	3.14339	43,31
4.081227377	3.94767	4.1336	4.18124	3.78028	4.68954	2.89656	5.23114	4.78204	4.75629	4.71551	4.45024	4.37408	4.30736	60,327
4.081227377	2.79107	4.1336	2.85078	2.80132	4.68954	3.95109	4.22767	3.73499	3.04612	3.42148	3.20654	3.16872	2.10781	48,212

2.876048277	2,79107	2,75941	2,85078	3,78028	4,68954	2,89656	3,34168	4,78204	3,77621	3,42148	3,20654	4,37408	4,30736	49,853
1.942659387	1,91209	2,75941	4,18124	2,0198	3,34394	3,95109	3,34168	3,73499	3,04612	2,22427	4,45024	3,16872	3,14339	43,22
2.876048277	1,91209	2,75941	2,85078	2,80132	2,24467	2,89656	3,34168	2,834	2,19268	2,22427	2,10388	3,16872	2,10781	36,314
4.081227377	2,79107	4,1336	2,85078	2,80132	4,68954	3,95109	4,22767	2,834	3,04612	3,42148	3,20654	3,16872	3,14339	46,422
4.081227377	2,79107	4,1336	4,18124	3,78028	4,68954	5,1646	3,34168	2,834	3,77621	3,42148	3,20654	4,37408	4,30736	54,083
2.876048277	3,94767	2,75941	2,85078	1	2,80132	3,34394	3,34168	3,73499	3,77621	2,22427	2,10388	2,12886	2,10781	40,146
2.876048277	1	2,75941	2,85078	3,78028	3,34394	2,89656	5,23114	3,73499	3,04612	2,22427	1	3,16872	3,14339	44,003
1.942659387	3,94767	2,75941	2,85078	2,80132	4,68954	2,89656	4,22767	4,78204	4,75629	2,22427	2,10388	3,16872	3,14339	44,28
1.942659387	2,79107	4,1336	2,85078	3,78028	2,24467	3,95109	4,22767	3,73499	4,75629	2,22427	3,20654	3,16872	3,14339	45,938
2.876048277	2,79107	4,1336	4,18124	2,0198	4,68954	5,1646	2,32222	4,78204	2,19268	3,42148	3,20654	2,12886	2,10781	45,084
2.876048277	2,79107	4,1336	4,18124	2,80132	4,68954	1,94962	5,23114	4,78204	2,19268	3,42148	3,20654	3,16872	3,14339	48,568
2.876048277	2,79107	2,75941	2,85078	1	3,34394	1,94962	4,22767	2,834	2,19268	3,42148	3,20654	3,16872	3,14339	39,765
4.081227377	3,94767	4,1336	4,18124	2,80132	3,34394	2,89656	3,34168	2,834	3,77621	3,42148	3,20654	3,16872	3,14339	51,758
4.081227377	1,91209	2,75941	1,80386	1	3,34394	1	3,34168	2,834	3,77621	2,22427	2,10388	2,12886	1	42,794
4.081227377	2,79107	4,1336	4,18124	2,0198	4,68954	2,89656	4,22767	3,73499	3,04612	3,42148	2,10388	4,37408	3,14339	37,247
2.876048277	2,79107	4,1336	2,85078	3,78028	3,34394	5,1646	4,22767	2,834	4,75629	3,42148	4,45024	4,37408	2,10781	48,958
2.876048277	1,91209	2,75941	2,85078	2,80132	2,24467	1,94962	3,34168	3,73499	2,19268	3,42148	2,10388	3,16872	3,14339	52,068
2.876048277	3,94767	2,75941	2,85078	2,80132	3,34394	2,89656	3,34168	2,834	3,04612	3,42148	4,45024	4,37408	2,10781	38,501
1.942659387	2,79107	2,75941	1,80386	2,0198	2,24467	3,95109	3,34168	3,73499	3,77621	2,22427	4,45024	4,37408	3,14339	45,051
1.942659387	2,79107	1,70245	2,85078	2,0198	2,85078	1	2,89656	2,32222	2,834	2,19268	3,42148	4,45024	3,16872	42,557
1	1	1	2,85078	1	2,85078	1	2,89656	2,32222	1,91576	2,19268	1	3,20654	1	35,7
2.876048277	1,91209	2,75941	1,80386	2,80132	3,34394	3,95109	3,34168	2,834	3,04612	2,22427	3,20654	2,12886	2,10781	26,925
1.942659387	1,91209	2,75941	2,85078	2,0198	4,68954	2,89656	3,34168	3,73499	3,04612	3,42148	3,20654	2,12886	3,14339	38,337
2.876048277	2,79107	1,70245	1	2,80132	2,24467	1,94962	4,22767	3,73499	2,19268	2,22427	3,20654	3,16872	3,14339	41,094
2.876048277	2,79107	1,70245	1,80386	2,0198	3,34394	1,94962	2,32222	2,834	1	2,22427	2,10388	2,12886	1	35,12
1.942659387	2,79107	2,75941	2,85078	2,0198	3,34394	2,89656	4,22767	2,834	3,04612	3,42148	3,20654	2,12886	2,10781	31,208
4.081227377	3,94767	2,75941	2,85078	2,0198	4,68954	2,89656	2,32222	1,91576	3,77621	4,71551	3,20654	2,12886	2,10781	40,612
1.942659387	1,91209	1,70245	2,85078	1	3,34394	3,95109	3,34168	3,73499	2,19268	2,22427	2,10388	3,16872	2,10781	43,418
1.942659387	1,91209	1,70245	2,85078	1	3,34394	3,95109	3,34168	3,73499	2,19268	2,22427	3,20654	2,12886	3,14339	35,577
4.081227377	2,79107	2,75941	2,85078	2,0198	4,68954	3,95109	3,34168	4,78204	3,04612	3,42148	3,20654	4,37408	2,10781	34,856
1	1,91209	1	2,85078	1	4,68954	3,95109	2,32222	1,91576	2,19268	3,42148	3,20654	1	3,14339	47,423
1.942659387	1	4,1336	4,18124	1	4,68954	1,94962	1	1	2,19268	3,42148	3,20654	1	3,14339	33,606
1	2,79107	2,75941	2,85078	2,0198	3,34394	2,89656	2,32222	3,73499	3,77621	2,22427	2,10388	2,12886	2,10781	31,654
1	2,79107	2,75941	2,85078	2,0198	3,34394	2,89656	2,32222	3,73499	3,77621	2,22427	2,10388	3,16872	3,14339	38,135

2,876048277	2,79107	2,75941	2,85078	2,80132	2,24467	3,95109	3,34168	2,834	3,77621	2,22427	3,20654	2,12886	1	38,786
4,081227377	2,79107	4,1336	2,85078	3,78028	3,34394	5,1646	4,22767	2,834	4,75629	3,42148	2,10388	4,37408	3,14339	51,006
4,081227377	3,94767	4,1336	2,85078	2,0198	3,34394	2,89656	4,22767	2,834	2,19268	2,22427	3,20654	3,16872	4,30736	45,435
4,081227377	2,79107	4,1336	4,18124	3,78028	4,68954	3,95109	2,32222	4,78204	4,75629	1	3,20654	2,12886	3,14339	48,947
4,081227377	2,79107	2,75941	2,85078	3,78028	4,68954	2,89656	4,22767	3,73499	2,19268	3,42148	2,10388	4,37408	3,14339	47,047
4,081227377	2,79107	4,1336	2,85078	2,80132	4,68954	3,95109	2,32222	4,78204	4,75629	3,42148	3,20654	4,37408	3,14339	51,305
4,081227377	2,79107	2,75941	2,85078	3,78028	3,34394	2,89656	5,23114	3,73499	3,04612	3,42148	2,10388	3,16872	3,14339	46,353
2,876048277	2,79107	2,75941	4,18124	2,80132	3,34394	1,94962	2,32222	1	2,19268	3,42148	1	1	3,14339	37,144
2,876048277	2,79107	2,75941	1	1	2,24467	2,89656	3,34168	3,73499	3,04612	2,22427	2,10388	3,16872	1	34,187
2,876048277	2,79107	2,75941	1,80386	2,0198	3,34394	2,89656	3,34168	2,834	3,04612	3,42148	3,20654	3,16872	2,10781	39,617
2,876048277	2,79107	2,75941	1,80386	2,0198	3,34394	2,89656	3,34168	2,834	3,04612	3,42148	3,20654	3,16872	2,10781	39,617
4,081227377	3,94767	4,1336	2,85078	2,0198	4,68954	3,95109	5,23114	2,834	3,77621	4,71551	2,10388	4,37408	3,14339	51,852
1,942659387	2,79107	2,75941	2,85078	2,0198	2,24467	3,95109	3,34168	2,834	3,77621	4,71551	4,45024	3,16872	2,10781	42,954
2,876048277	1,91209	2,75941	2,85078	2,0198	3,34394	3,95109	3,34168	4,78204	4,75629	3,42148	2,10388	2,12886	2,10781	42,355
4,081227377	3,94767	1	4,18124	1	1,60106	1,94962	2,32222	3,73499	1	1	3,20654	3,16872	1	33,193
1,942659387	1,91209	2,75941	1	1	3,78028	3,34394	3,34168	1,91576	2,19268	2,22427	1	3,16872	4,30736	36,84
2,876048277	3,94767	4,1336	2,85078	2,80132	3,34394	3,95109	2,32222	4,78204	3,77621	2,22427	3,20654	3,16872	4,30736	47,692
2,876048277	1	2,75941	4,18124	3,78028	3,34394	5,1646	4,22767	4,78204	3,77621	3,42148	4,45024	3,16872	3,14339	50,075
4,081227377	1,91209	1,70245	2,85078	1	4,68954	3,95109	3,34168	2,834	2,19268	3,42148	3,20654	2,12886	2,10781	39,42
2,876048277	1	2,75941	2,85078	2,80132	3,34394	2,89656	4,22767	3,73499	3,04612	4,71551	3,20654	4,37408	3,14339	44,976
2,876048277	1	2,75941	2,85078	2,80132	3,34394	2,89656	4,22767	3,73499	3,77621	3,42148	2,10388	4,37408	3,14339	43,31
4,081227377	3,94767	4,1336	4,18124	3,78028	4,68954	2,89656	5,23114	4,78204	4,75629	4,71551	4,45024	4,37408	4,30736	60,327
4,081227377	2,79107	4,1336	2,85078	2,80132	4,68954	3,95109	4,22767	3,73499	3,04612	3,42148	3,20654	3,16872	2,10781	48,212
4,081227377	3,94767	4,1336	4,18124	2,80132	3,34394	2,89656	3,34168	2,834	3,77621	2,22427	2,10388	2,12886	1	42,794
4,081227377	1,91209	2,75941	1,80386	1	3,34394	1	3,34168	1,91576	3,04612	3,42148	2,10388	4,37408	3,14339	37,247
4,081227377	2,79107	4,1336	4,18124	2,0198	4,68954	2,89656	4,22767	3,73499	3,04612	2,22427	4,45024	4,37408	2,10781	48,958
2,876048277	2,79107	4,1336	2,85078	3,78028	3,34394	5,1646	4,22767	2,834	4,75629	3,42148	3,20654	4,37408	4,30736	52,068
4,081227377	3,94767	2,75941	2,85078	2,0198	4,68954	2,89656	2,32222	1,91576	3,77621	4,71551	3,20654	2,12886	2,10781	43,418

Successive Detail X 1

Col	Category	Freq	Prop	Cum	Density	Z	Scale
1	2	5	0,053763	0,053763	0,109259	-1,60941	1
	3	17	0,182796	0,236559	0,308424	-0,71741	1,942659
	4	38	0,408602	0,645161	0,372232	0,372289	2,876048
	5	33	0,354839	1	0		4,081227
2	2	10	0,107527	0,107527	0,184986	-1,23979	1
	3	20	0,215054	0,322581	0,358809	-0,46049	1,912093
	4	38	0,408602	0,731183	0,329919	0,616394	2,791073
	5	25	0,268817	1	0		3,947666
3	2	6	0,064516	0,064516	0,126061	-1,51793	1
	3	8	0,086022	0,150538	0,233715	-1,03413	1,702451
	4	52	0,55914	0,709677	0,342482	0,552443	2,759413
	5	27	0,290323	1	0		4,1336
4	2	6	0,064516	0,064516	0,126061	-1,51793	1
	3	12	0,129032	0,193548	0,274457	-0,86489	1,803864
	4	50	0,537634	0,731183	0,329919	0,616394	2,85078
	5	25	0,268817	1	0		4,181235
5	2	17	0,182796	0,182796	0,264944	-0,90476	1
	3	29	0,311828	0,494624	0,398906	-0,01348	2,019799
	4	26	0,27957	0,774194	0,300521	0,752729	2,801318
	5	21	0,225806	1	0		3,780278
6	1	1	0,010753	0,010753	0,028393	-2,29899	1
	2	2	0,021505	0,032258	0,072252	-1,8486	1,601062
	3	10	0,107527	0,139785	0,222344	-1,08129	2,24467
	4	47	0,505376	0,645161	0,372232	0,372289	3,34394
	5	33	0,354839	1	0		4,689543
7	1	2	0,021505	0,021505	0,051487	-2,02361	1
	2	11	0,11828	0,139785	0,222344	-1,08129	1,949618
	3	33	0,354839	0,494624	0,398906	-0,01348	2,896557
	4	38	0,408602	0,903226	0,171334	1,300153	3,951092

	5	9	0,096774	1	0				5,164596
8	1	1	0,010753	0,010753	0,028393	-2,29899		1	
	2	18	0,193548	0,204301	0,283549	-0,82636		2,322219	
	3	34	0,365591	0,569892	0,392804	0,1761		3,341681	
	4	27	0,290323	0,860215	0,222344	1,081286		4,227665	
	5	13	0,139785	1	0	8,160728		5,231143	
9	1	2	0,021505	0,021505	0,051487	-2,02361		1	
	2	10	0,107527	0,129032	0,210453	-1,13098		1,915757	
	3	31	0,333333	0,462366	0,397166	-0,09448		2,834001	
	4	31	0,333333	0,795699	0,283549	0,826356		3,734991	
	5	19	0,204301	1	0			4,782037	
10	1	3	0,032258	0,032258	0,072252	-1,8486		1	
	2	24	0,258065	0,290323	0,342482	-0,55244		2,192676	
	3	25	0,268817	0,55914	0,394551	0,148789		3,046124	
	4	26	0,27957	0,83871	0,244591	0,989169		3,77621	
	5	15	0,16129	1	0	8,160728		4,756285	
11	2	4	0,043011	0,043011	0,091393	-1,71677		1	
	3	29	0,311828	0,354839	0,372232	-0,37229		2,224269	
	4	47	0,505376	0,860215	0,222344	1,081286		3,421476	
	5	13	0,139785	1	0			4,715506	
12	2	5	0,053763	0,053763	0,109259	-1,60941		1	
	3	25	0,268817	0,322581	0,358809	-0,46049		2,103884	
	4	45	0,483871	0,806452	0,274457	0,864894		3,206536	
	5	18	0,193548	1	0			4,450239	
13	2	3	0,032258	0,032258	0,072252	-1,8486		1	
	3	21	0,225806	0,258065	0,323114	-0,64932		2,128857	
	4	40	0,430108	0,688172	0,353695	0,490676		3,168717	
	5	29	0,311828	1	0			4,374082	
14	2	8	0,086022	0,086022	0,157007	-1,36567		1	
	3	30	0,322581	0,408602	0,388426	-0,23114		2,107809	
	4	39	0,419355	0,827957	0,254995	0,946123		3,143391	
	5	16	0,172043	1	0			4,307365	

VALIDITAS DAN RELIABILITAS VARIABEL X2

No. Item	Item Pertanyaan Variabel X 2																Total
	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
1	4	2	4	3	4	4	2	4	3	4	4	4	4	4	2	4	54
2	4	2	4	3	4	4	4	4	3	4	4	4	4	4	3	4	58
3	4	5	5	4	3	4	3	3	4	4	3	2	5	2	1	3	55
4	5	4	4	4	5	3	4	3	3	4	4	4	4	2	3	4	60
5	5	4	5	4	3	4	4	2	3	4	2	2	5	1	1	4	53
6	4	4	4	4	4	2	4	2	4	4	2	2	4	3	3	4	54
7	4	2	4	4	4	3	2	2	3	4	3	2	5	2	2	4	50
8	5	4	5	5	3	2	4	4	3	3	4	4	5	5	2	4	62
9	5	4	4	5	3	2	4	4	3	3	4	4	5	5	2	4	61
10	4	4	2	2	4	3	4	4	4	5	3	3	5	4	3	4	58
11	4	4	4	4	3	2	3	4	3	4	4	3	4	3	2	4	55
12	3	4	4	5	3	3	4	3	3	5	3	2	5	1	1	5	54
13	5	5	4	4	4	2	5	2	5	4	2	3	5	5	2	4	61
14	5	4	5	4	4	4	3	3	4	4	2	3	5	4	2	4	60
15	5	5	4	5	4	3	4	4	3	5	4	2	5	5	3	5	66
16	3	3	4	4	5	4	3	4	3	3	4	3	4	4	2	4	57
17	4	2	4	4	4	4	2	5	3	4	4	4	5	4	2	5	60
18	4	1	5	4	4	3	3	4	3	2	4	2	5	5	3	4	56
19	5	5	5	3	4	3	4	2	4	5	2	3	5	2	2	4	58
20	4	4	4	4	4	3	3	4	4	4	3	2	5	2	2	5	57
21	5	2	4	4	5	4	4	5	4	3	5	5	5	4	2	4	65
22	5	4	5	1	5	4	3	5	5	5	5	5	4	5	5	3	69
23	2	4	5	2	5	4	5	2	4	5	2	2	5	2	2	5	56
24	5	4	5	4	5	2	4	4	4	4	5	4	5	2	3	4	64
25	4	3	4	4	5	2	4	4	4	4	4	3	5	3	2	5	60
26	2	5	4	4	5	2	5	1	3	4	1	4	5	2	1	5	53
27	4	4	4	2	5	4	2	4	4	2	4	4	4	2	2	4	55

28	5	4	4	5	4	3	4	4	4	4	3	4	4	3	5	4	2	5	63
29	5	4	5	5	4	3	4	4	4	4	3	4	4	3	5	4	2	5	63
30	5	3	5	5	2	5	2	5	2	5	5	2	5	2	5	2	2	5	57
31	4	3	5	5	2	4	4	4	4	3	3	3	3	4	5	2	3	4	57
32	5	3	5	5	2	3	3	3	4	3	3	4	4	3	4	4	2	4	55
33	5	4	4	4	4	5	2	4	2	4	4	2	4	2	5	2	2	4	55
34	4	4	4	4	4	5	2	4	2	5	4	2	5	4	4	2	2	4	54
35	4	4	5	5	1	4	4	3	4	3	3	4	4	4	4	4	4	3	58
36	5	5	5	5	2	4	2	3	4	4	4	2	4	2	4	2	1	5	54
37	2	1	4	1	4	5	5	3	4	2	4	2	4	5	4	4	5	3	57
38	5	4	5	4	4	3	4	4	2	4	3	2	4	4	5	1	4	3	57
39	4	4	4	4	4	4	2	3	2	4	4	2	4	2	4	2	2	4	51
40	5	4	5	3	3	4	4	2	3	2	5	4	3	3	5	3	2	3	57
41	5	5	5	2	2	2	4	2	4	2	4	4	4	2	5	2	2	5	55
42	5	4	5	5	2	2	4	3	5	4	4	4	4	4	4	4	2	3	59
43	4	4	4	4	2	4	3	2	4	2	4	4	4	4	4	4	2	2	53
44	4	4	4	5	4	4	2	4	2	4	4	2	4	2	5	2	2	4	54
45	3	5	3	3	3	5	2	4	2	4	4	2	4	2	4	2	2	3	52
46	5	3	5	5	3	5	4	4	5	4	5	5	4	3	3	1	4	3	63
47	5	5	5	5	5	4	2	5	2	5	3	5	5	4	5	5	3	4	67
48	4	4	4	5	2	4	1	5	2	4	5	2	4	3	5	1	1	5	53
49	4	4	4	4	5	4	3	3	4	4	4	4	4	2	4	3	3	4	59
50	3	5	5	5	2	4	3	4	2	4	4	3	3	3	5	2	3	4	56
51	4	3	5	5	2	5	4	3	3	5	4	3	4	4	3	3	2	5	58
52	4	5	5	5	2	5	4	3	4	3	4	4	3	4	5	4	2	4	62
53	1	5	5	5	4	5	4	5	2	3	5	2	3	5	5	2	2	2	57
54	4	3	4	4	2	4	3	4	2	3	3	2	2	3	4	3	2	3	49
55	4	4	4	5	4	3	4	3	4	4	3	3	3	3	5	3	4	3	59
56	4	4	4	5	3	3	2	3	4	3	4	4	4	2	5	2	2	4	54
57	4	4	4	4	4	3	2	4	4	3	3	3	3	4	5	3	2	4	56
58	4	3	1	4	4	3	4	3	3	4	4	4	4	4	4	4	3	4	56
59	5	4	4	5	4	4	3	4	3	4	4	4	4	2	5	2	2	4	59

60	4	4	4	5	3	4	3	4	4	4	4	3	4	4	2	5	2	2	4	4	2	2	4	57
61	3	4	4	4	2	5	2	5	2	4	4	4	4	2	2	5	2	1	5	4	2	1	5	52
62	5	5	5	5	2	4	5	5	2	5	2	5	5	2	4	5	2	2	5	2	2	2	5	63
63	4	4	4	4	4	3	2	4	2	4	2	4	2	2	4	5	4	1	5	2	4	1	5	54
64	5	4	3	3	4	3	1	3	3	4	4	4	3	3	4	4	3	2	3	3	4	2	3	53
65	3	4	3	4	3	2	2	4	4	3	4	3	4	4	2	5	4	2	5	4	2	2	5	57
66	4	4	5	5	5	5	5	4	4	4	4	4	4	4	2	5	2	1	5	4	2	1	4	47
67	4	5	5	5	5	5	5	4	4	4	4	5	4	4	5	5	3	3	5	4	5	3	4	72
68	4	5	4	4	5	5	5	3	3	4	4	5	3	3	5	4	4	4	5	4	4	4	4	68
69	5	3	2	2	3	1	2	2	2	2	2	3	5	2	2	2	2	2	2	4	2	2	2	42
70	4	2	4	4	2	1	2	2	4	2	4	3	2	2	3	3	4	2	3	2	4	2	3	43
71	2	5	2	4	4	4	3	4	5	4	5	4	4	4	5	4	3	4	5	4	4	3	4	63
72	5	4	4	4	2	1	3	4	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	43
73	2	4	4	3	2	1	1	2	3	3	3	3	3	2	2	4	2	2	4	2	2	2	2	44
74	3	1	3	3	2	2	1	3	4	4	4	4	4	4	4	5	2	2	3	3	2	2	5	41
75	3	5	5	5	2	4	3	4	3	4	2	4	4	2	2	3	3	2	4	4	2	2	4	56
76	4	3	5	5	2	5	4	3	3	5	4	4	3	3	4	3	2	3	3	4	3	2	4	58
77	4	5	5	5	2	2	4	3	4	3	4	4	4	4	4	4	4	4	4	4	4	2	5	59
78	1	5	5	4	4	5	4	5	2	3	3	5	2	2	5	5	2	2	5	2	5	2	2	57
79	4	4	4	4	2	4	3	4	3	4	2	3	4	2	3	4	3	2	3	2	3	2	3	49
80	4	4	5	5	4	3	4	3	4	3	4	4	4	4	3	4	3	4	3	3	3	4	3	59
81	4	4	5	5	3	3	2	3	4	4	4	4	4	4	4	4	2	2	5	2	2	2	4	54
82	4	4	4	4	4	3	2	4	3	4	4	3	4	4	4	5	3	2	3	2	2	2	4	56
83	4	3	3	3	4	3	4	3	3	4	3	4	4	4	4	4	4	4	4	4	4	3	4	58
84	5	4	5	5	4	4	3	4	4	4	3	4	4	4	4	5	2	2	5	2	2	2	4	59
85	4	4	3	4	3	4	3	4	4	4	4	4	4	4	4	3	2	2	3	2	2	2	4	51
86	3	4	4	4	2	5	2	5	2	4	2	4	4	2	2	3	2	2	3	2	2	2	5	52
87	5	5	5	5	2	4	5	5	2	5	2	5	2	2	4	5	2	2	4	4	4	1	5	63
88	4	4	4	4	4	3	2	4	2	4	2	4	2	4	4	3	4	1	5	2	2	2	5	52
89	3	4	3	4	4	3	1	3	3	4	3	4	4	3	4	4	3	2	4	4	3	2	3	51
90	3	4	5	4	4	2	2	4	4	4	4	4	4	4	2	5	4	2	5	4	2	2	5	57
91	4	3	4	4	3	2	2	3	3	4	3	4	4	2	1	5	2	1	5	2	2	1	4	47

92	4	5	5	5	5	4	4	4	5	5	4	5	5	3	4	4	72
93	4	5	4	5	5	3	3	4	5	5	3	5	5	4	4	4	68
Total	375	358	398	309	348	283	333	298	337	358	297	296	422	277	212	388	5267
R hitung	0,241	0,3657	0,333	0,3744	0,5182	0,5619	0,2551	0,3716	0,3892	0,3893	0,4394	0,5395	0,4192	0,38	0,4605	0,2232	
R tabel	0,206	0,206	0,206	0,206	0,206	0,206	0,206	0,206	0,206	0,206	0,206	0,206	0,206	0,206	0,206	0,206	
Kriteria	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	
Varians																	
item	0,8484	0,9236	0,8036	1,1433	1,1807	1,1594	0,7166	0,9798	0,6003	0,6586	1,0163	1,1386	0,6336	1,3114	0,739	0,6863	
S. varians	14,389																
Varians																	
total	35,544																
Reliabilitas	0,6016																

Successive Interval X 2

26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	TOTAL
3,219813831	1,70404	2,90805	3,09147	3,23679	3,78814	1	4,30615	2,07506	3,19128	4,29985	4,02283	2,85692	2,31147	2,40363	2,92487	47,34
3,219813831	1,70404	2,90805	3,09147	3,23679	3,78814	3,1484	4,30615	2,07506	3,19128	4,29985	4,02283	2,85692	3,12744	3,51527	2,92487	51,416
4,506446621	4,54361	4,21795	3,87279	2,42474	3,78814	2,09167	3,44852	3,23503	3,19128	3,47623	2,41272	4,23333	2,31147	1	1,89395	49,361
4,506446621	3,26889	2,90805	3,87279	4,32807	3,00488	3,1484	3,44852	2,07506	3,19128	4,29985	4,02283	2,85692	2,31147	3,51527	2,92487	53,684
3,219813831	3,26889	2,90805	3,87279	2,42474	3,78814	3,1484	2,58092	2,07506	3,19128	2,60138	2,41272	4,23333	1	1	2,92487	47,247
3,219813831	1,70404	2,90805	3,87279	3,23679	3,00488	1	2,58092	2,07506	3,19128	2,60138	2,41272	2,85692	3,12744	3,51527	2,92487	48,295
4,506446621	3,26889	4,21795	5,11451	2,42474	2,19409	3,1484	4,30615	2,07506	3,19128	3,47623	2,41272	4,23333	2,31147	2,40363	2,92487	44,556
4,506446621	3,26889	2,90805	5,11451	2,42474	2,19409	3,1484	4,30615	2,07506	2,10388	4,29985	4,02283	4,23333	4,75258	2,40363	2,92487	55,997
3,219813831	3,26889	2,90805	3,87279	3,23679	3,00488	3,1484	4,30615	3,23503	4,42011	3,47623	3,27102	4,23333	3,75625	2,40363	2,92487	54,687
2,273784631	3,26889	2,90805	5,11451	2,42474	3,00488	2,09167	4,30615	2,07506	3,19128	4,29985	3,27102	2,85692	3,12744	2,40363	2,92487	48,436
4,506446621	4,54361	2,90805	3,87279	3,23679	2,19409	4,35138	2,58092	4,59566	3,19128	2,60138	3,27102	4,23333	1	1	4,20601	48,415
4,506446621	3,26889	4,21795	3,87279	3,23679	3,78814	2,09167	3,44852	3,23503	3,19128	2,60138	3,27102	4,23333	4,75258	2,40363	2,92487	56,168
4,506446621	4,54361	2,90805	5,11451	3,23679	3,00488	3,1484	4,30615	2,07506	4,42011	4,29985	2,41272	4,23333	4,75258	3,51527	2,92487	54,048
2,273784631	2,29878	2,90805	3,87279	4,32807	3,78814	2,09167	4,30615	2,07506	2,10388	4,29985	3,27102	2,85692	3,75625	2,40363	2,92487	60,684
3,219813831	1,70404	2,90805	3,87279	3,23679	3,78814	1	5,59446	2,07506	3,19128	4,29985	4,02283	4,23333	3,75625	2,40363	4,20601	49,559
3,219813831	1	4,21795	3,87279	3,23679	3,00488	2,09167	4,30615	2,07506	1	4,29985	2,41272	4,23333	4,75258	2,40363	4,20601	53,512
4,506446621	4,54361	4,21795	3,09147	3,23679	3,00488	3,1484	2,58092	3,23503	4,42011	2,60138	3,27102	4,23333	4,75258	3,51527	2,92487	50,164
3,219813831	3,26889	2,90805	3,87279	3,23679	3,00488	2,09167	4,30615	3,23503	3,19128	3,47623	2,41272	4,23333	2,31147	2,40363	2,92487	53,731
4,506446621	1,70404	2,90805	3,87279	4,32807	3,78814	3,1484	5,59446	3,23503	2,10388	5,52633	5,11451	4,23333	3,75625	2,40363	4,20601	51,379
4,506446621	3,26889	4,21795	1	4,32807	3,78814	2,09167	5,59446	4,59566	4,42011	5,52633	5,11451	2,85692	4,75258	2,40363	2,92487	59,148
1,711672118	3,26889	4,21795	2,3532	4,32807	3,78814	4,35138	2,58092	3,23503	4,42011	2,60138	2,41272	4,23333	2,31147	5,02515	1,89395	62,981
4,506446621	3,26889	4,21795	3,87279	4,32807	2,19409	3,1484	4,30615	3,23503	3,19128	5,52633	4,02283	4,23333	2,31147	2,40363	4,20601	52,424
3,219813831	2,29878	2,90805	3,87279	4,32807	2,19409	3,1484	4,30615	3,23503	3,19128	4,29985	3,27102	4,23333	2,31147	3,51527	2,92487	58,803
1,711672118	4,54361	2,90805	3,87279	4,32807	2,19409	4,35138	1	2,07506	3,19128	1	4,02283	4,23333	2,31147	2,40363	4,20601	54,244
3,219813831	3,26889	2,90805	2,3532	4,32807	3,78814	1	4,30615	3,23503	1	4,29985	4,02283	4,23333	2,31147	1	4,20601	46,95
4,506446621	3,26889	4,21795	3,87279	2,42474	3,78814	3,1484	4,30615	3,23503	2,10388	4,29985	4,02283	2,85692	2,31147	2,40363	2,92487	48,227
4,506446621	3,26889	4,21795	3,87279	2,42474	3,78814	3,1484	4,30615	3,23503	2,10388	4,29985	3,27102	4,23333	3,75625	2,40363	4,20601	57,043
4,506446621	3,26889	4,21795	3,87279	2,42474	3,78814	3,1484	4,30615	3,23503	2,10388	4,29985	3,27102	4,23333	3,75625	2,40363	4,20601	57,043

4.506446621	2.29878	4.21795	2.3532	4.32807	2.19409	4.35138	2.58092	4.59566	4.42011	2.60138	2.41272	4.23333	2.31147	2.40363	4.20601	54.015
3.219813831	2.29878	4.21795	2.3532	3.23679	3.78814	3.1484	4.30615	2.07506	2.10388	3.47623	4.02283	4.23333	2.31147	3.51527	2.92487	51.232
4.506446621	2.29878	4.21795	2.3532	2.42474	3.00488	2.09167	4.30615	2.07506	2.10388	4.29985	3.27102	2.85692	3.75625	2.40363	2.92487	48.895
4.506446621	3.26889	2.90805	3.87279	4.32807	2.19409	3.1484	2.58092	3.23503	3.19128	2.60138	2.41272	4.23333	2.31147	2.40363	2.92487	50.121
3.219813831	3.26889	2.90805	3.87279	4.32807	2.19409	3.1484	2.58092	4.59566	3.19128	2.60138	2.41272	2.85692	2.31147	2.40363	2.92487	48.819
3.219813831	3.26889	4.21795	1	3.23679	3.78814	2.09167	4.30615	2.07506	2.10388	4.29985	4.02283	2.85692	3.75625	4.22327	1.89395	50.361
4.506446621	4.54361	4.21795	2.3532	3.23679	2.19409	2.09167	4.30615	3.23503	3.19128	2.60138	2.41272	2.85692	3.75625	4.22327	1.89395	49.265
1.711672118	1	1	3.87279	4.32807	4.91801	2.09167	4.30615	1	3.19128	5.52633	5.11451	2.85692	3.75625	1	4.20601	49.265
4.506446621	3.26889	4.21795	3.87279	2.42474	3.78814	3.1484	2.58092	3.23503	2.10388	2.60138	4.02283	4.23333	1	4.22327	1.89395	51.593
3.219813831	3.26889	2.90805	3.87279	3.23679	2.19409	2.09167	2.58092	3.23503	3.19128	2.60138	2.41272	2.85692	2.31147	2.40363	1.89395	51.122
4.506446621	3.26889	4.21795	3.09147	3.23679	3.78814	1	3.44852	1	4.42011	4.29985	3.27102	4.23333	2.31147	2.40363	2.92487	45.31
4.506446621	4.54361	4.21795	2.3532	1.74082	3.78814	1	4.30615	1	3.19128	4.29985	2.41272	4.23333	3.12744	2.40363	1.89395	51.208
4.506446621	3.26889	4.21795	2.3532	1.74082	3.78814	2.09167	5.59446	3.23503	3.19128	4.29985	4.02283	2.85692	3.75625	2.40363	4.20601	50.515
3.219813831	3.26889	2.90805	2.3532	3.23679	3.00488	1	4.30615	1	3.19128	4.29985	4.02283	2.85692	3.75625	2.40363	1.89395	53.221
3.219813831	3.26889	4.21795	3.87279	3.23679	2.19409	3.1484	2.58092	3.23503	3.19128	2.60138	2.41272	4.23333	2.31147	2.40363	1	45.829
2.273784631	4.54361	2.0497	3.09147	4.32807	2.19409	3.1484	2.58092	3.23503	3.19128	2.60138	2.41272	4.23333	2.31147	2.40363	2.92487	49.053
4.506446621	2.29878	4.21795	3.09147	4.32807	3.78814	3.1484	5.59446	3.23503	4.42011	5.52633	4.02283	1.93179	1	4.22327	1.89395	46.727
4.506446621	4.54361	4.21795	5.11451	3.23679	2.19409	4.35138	2.58092	4.59566	2.10388	5.52633	4.02283	4.23333	4.75258	3.51527	2.92487	57.227
3.219813831	3.26889	4.21795	2.3532	3.23679	1	4.35138	2.58092	3.23503	4.42011	2.60138	3.27102	4.23333	1	1	4.20601	62.42
3.219813831	3.26889	2.90805	5.11451	3.23679	3.00488	2.09167	4.30615	3.23503	3.19128	4.29985	2.41272	2.85692	3.12744	3.51527	2.92487	48.196
2.273784631	4.54361	4.21795	2.3532	3.23679	3.00488	3.1484	2.58092	3.23503	3.19128	3.47623	3.27102	4.23333	2.31147	3.51527	2.92487	52.714
3.219813831	2.29878	4.21795	2.3532	4.32807	3.78814	2.09167	3.44852	4.59566	3.19128	3.47623	4.02283	1.93179	3.12744	2.40363	4.20601	51.518
3.219813831	4.54361	4.21795	2.3532	4.32807	3.78814	2.09167	4.30615	2.07506	3.19128	4.29985	4.02283	4.23333	3.75625	2.40363	4.20601	52.701
1	4.54361	4.21795	3.87279	4.32807	3.78814	4.35138	2.58092	2.07506	4.42011	2.60138	5.11451	4.23333	2.31147	2.40363	2.92487	55.756
3.219813831	2.29878	2.90805	2.3532	3.23679	3.00488	3.1484	2.58092	2.07506	2.10388	2.60138	3.27102	2.85692	3.12744	2.40363	1	52.842
3.219813831	3.26889	4.21795	3.87279	2.42474	3.78814	2.09167	4.30615	3.23503	2.10388	3.47623	3.27102	4.23333	3.12744	2.40363	1.89395	43.084
3.219813831	3.26889	4.21795	3.09147	2.42474	2.19409	2.09167	4.30615	2.07506	3.19128	4.29985	2.41272	4.23333	2.31147	2.40363	1.89395	52.754
3.219813831	3.26889	2.90805	3.87279	2.42474	2.19409	3.1484	4.30615	2.07506	2.10388	3.47623	4.02283	4.23333	3.12744	2.40363	2.92487	48.667
3.219813831	2.29878	1	3.87279	2.42474	3.78814	2.09167	3.44852	3.23503	3.19128	4.29985	4.02283	2.85692	3.75625	2.40363	2.92487	49.71
4.506446621	3.26889	4.21795	3.87279	3.23679	3.00488	3.1484	3.44852	3.23503	3.19128	4.29985	4.02283	2.85692	3.75625	2.40363	2.92487	49.947
3.219813831	3.26889	4.21795	3.09147	3.23679	3.00488	3.1484	4.30615	3.23503	3.19128	4.29985	2.41272	4.23333	2.31147	2.40363	2.92487	53.717
2.273784631	3.26889	2.90805	2.3532	4.32807	2.19409	4.35138	2.58092	3.23503	3.19128	4.29985	2.41272	4.23333	2.31147	2.40363	2.92487	51.419
																47.45

4.506446621	4.54361	4.21795	2.3532	3.23679	4.91801	4.35138	2.58092	4.59566	4.42011	2.60138	4.02283	4.23333	2.31147	2.40363	4.20601	59,503
3.219813831	3.26889	2.90805	3.87279	2.42474	2.19409	3.1484	2.58092	3.23503	1	2.60138	4.02283	4.23333	3.75625	1	4.20601	47,673
4.506446621	3.26889	2.0497	3.87279	2.42474	1	2,09167	3,44852	3,23503	3,19128	3,47623	4,02283	2,85692	3,12744	2,40363	1,89395	46,87
2.273784631	3.26889	4.21795	3.87279	1.74082	2.19409	3.1484	4.30615	3.23503	2.10388	4.29985	2.41272	4.23333	3.75625	2.40363	4.20601	51,674
3.219813831	2.29878	2.90805	3.09147	1.74082	2.19409	2.09167	3.44852	3.23503	3.19128	2.60138	1	4.23333	2.31147	1	2.92487	41,491
3.219813831	4.54361	4.21795	5.11451	4.32807	4.91801	3.1484	4.30615	3.23503	4.42011	4.29985	5.11451	4.23333	4.75258	3.51527	2.92487	66,292
4.506446621	2.29878	1.60322	3.09147	1	2.19409	1	2.58092	1	2.10388	5.2633	2.41272	1	3.75625	2.40363	1	37,478
3.219813831	1.70404	2.90805	2.3532	1	2.19409	1	4.30615	1	2.10388	2.60138	3.27102	1.93179	3.75625	2.40363	1.89395	37,647
4.506446621	3.26889	2.90805	3.87279	3.23679	3.00488	3.1484	5.9446	3.23503	4.42011	4.29985	5.11451	4.23333	3.75625	3.51527	2.92487	58,215
1.711672118	3.26889	2.0497	2.3532	1	3.00488	3.1484	2.58092	1	1	3.47623	2.41272	1.93179	2.31147	2.40363	1	38,307
2.273784631	1	2.0497	2.3532	1.74082	1	2,09167	3,44852	3,23503	2,10388	2,60138	3,27102	2,85692	4,75258	3,51527	1	39,168
2.273784631	4.54361	4.21795	2.3532	3.23679	3.00488	3.1484	2.58092	2.07506	2.10388	2.60138	2.41272	2.85692	2.31147	2.40363	4.20601	36,929
3.219813831	2.29878	4.21795	2.3532	4.32807	3.78814	2.09167	3.44852	4.59566	3.19128	3.47623	3.27102	4.23333	2.31147	3.51527	2.92487	51,518
3.219813831	4.54361	4.21795	2.3532	1.74082	3.78814	2.09167	4.30615	2.07506	3.19128	4.29985	4.02283	4.23333	3.12744	2.40363	4.20601	52,701
1	4.54361	4.21795	3.87279	4.32807	3.78814	4.35138	2.58092	2.07506	4.42011	2.60138	5.11451	4.23333	2.31147	2.40363	2.92487	53,168
3.219813831	2.29878	2.90305	2.3532	3.23679	3.00488	3.1484	2.58092	2.07506	2.10388	2.60138	3.27102	2.85692	3.12744	2.40363	1.89395	43,084
3.219813831	3.26889	4.21795	3.87279	2.42474	3.78814	2.09167	4.30615	3.23503	2.10388	3.47623	3.27102	4.23333	3.12744	4.22327	1.89395	52,754
3.219813831	3.26889	4.21795	3.09147	2.42474	2.19409	2.09167	4.30615	2.07506	3.19128	4.29985	2.41272	4.23333	2.31147	2.40363	2.92487	48,667
3.219813831	3.26889	2.90805	3.87279	2.42474	3.78814	2.09167	3.44852	3.23503	2.10388	3.47623	4.02283	4.23333	3.12744	2.40363	2.92487	49,71
4.506446621	3.26889	4.21795	3.87279	3.23679	3.00488	3.1484	3.44852	3.23503	3.19128	4.29985	4.02283	2.85692	3.75625	3.51527	2.92487	50,996
3.219813831	3.26889	2.0497	3.09147	3.23679	3.00488	3.1484	4.30615	1	2.10388	4.29985	2.41272	4.23333	2.31147	2.40363	2.92487	53,717
2.273784631	3.26889	2.90805	2.3532	4.32807	2.19409	4.35138	2.58092	3.23503	3.19128	2.60138	2.41272	4.23333	2.31147	1	4.20601	44,714
4.506446621	4.54361	4.21795	2.3532	3.23679	4.91801	4.35138	2.58092	4.59566	4.42011	2.60138	4.02283	4.23333	2.31147	2.40363	4.20601	47,45
3.219813831	3.26889	2.90805	3.87279	2.42474	2.19409	3.1484	2.58092	3.23503	1	2.60138	4.02283	4.23333	2.31147	2.40363	4.20601	59,503
2.273784631	3.26889	2.0497	3.87279	2.42474	1	2,09167	3,44852	3,23503	3,19128	3,47623	4,02283	1,93179	3,75625	1	4,20601	45,371
2.273784631	3.26889	4.21795	3.87279	1.74082	2.19409	3.1484	4.30615	3.23503	3.19128	4.29985	4.02283	2.85692	3.12744	2.40363	1.89395	44,637
3.219813831	2.29878	2.90805	3.09147	1.74082	2.19409	2.09167	3.44852	3.23503	3.19128	2.60138	2.41272	4.23333	3.75625	2.40363	4.20601	51,674
3.219813831	4.54361	4.21795	5.11451	4.32807	4.91801	3.1484	4.30615	3.23503	4.42011	4.29985	5.11451	4.23333	4.75258	3.51527	2.92487	66,292
3.219813831	4.54361	2.90805	5.11451	4.32807	4.91801	2.09167	3.44852	3.23503	4.42011	3.47623	5.11451	4.23333	3.75625	4.22327	2.92487	61,956
3.219813831	4.54361	2.90805	5.11451	4.32807	4.91801	2.09167	3.44852	3.23503	4.42011	3.47623	5.11451	4.23333	3.75625	4.22327	2.92487	61,956

Successive Detail X 2

Col	Category	Freq	Prop	Cum	Density	Z	Scale
1	1	2	0,02151	0,02151	0,05149	-2,0236	1
	2	5	0,05376	0,07527	0,14194	-1,4376	1,71167
	3	11	0,11828	0,19355	0,27446	-0,8649	2,27378
	4	45	0,48387	0,67742	0,35881	0,46049	3,21981
	5	30	0,32258	1	0		4,50645
2	1	3	0,03226	0,03226	0,07225	-1,8486	1
	2	6	0,06452	0,09677	0,17133	-1,3002	1,70404
	3	15	0,16129	0,25806	0,32311	-0,6493	2,29878
	4	47	0,50538	0,76344	0,30842	0,71741	3,26889
	5	22	0,23656	1	0		4,54361
3	1	2	0,02151	0,02151	0,05149	-2,0236	1
	2	3	0,03226	0,05376	0,10926	-1,6094	1,60322
	3	7	0,07527	0,12903	0,21045	-1,131	2,0497
	4	36	0,3871	0,51613	0,39862	0,04044	2,90805
	5	45	0,48387	1	0		4,21795
4	1	2	0,02151	0,02151	0,05149	-2,0236	1
	2	27	0,29032	0,31183	0,3537	-0,4907	2,3532
	3	13	0,13978	0,45161	0,396	-0,1216	3,09147
	4	41	0,44086	0,89247	0,18499	1,23979	3,87279
	5	10	0,10753	1	0		5,11451
5	1	4	0,04301	0,04301	0,09139	-1,7168	1
	2	8	0,08602	0,12903	0,21045	-1,131	1,74082
	3	22	0,23656	0,36559	0,37608	-0,3436	2,42474
	4	33	0,35484	0,72043	0,33637	0,58412	3,23679
	5	26	0,27957	1	-0		4,32807

6	1	5	0,05376	0,05376	0,05376	0,10926	-1,6094	1
	2	30	0,32258	0,37634	0,37962	-0,3151	2,19409	
	3	21	0,22581	0,60215	0,38579	0,25892	3,00488	
	4	30	0,32258	0,92473	0,14194	1,43764	3,78814	
	5	7	0,07527	1	0		4,91801	
7	2	10	0,10753	0,10753	0,18499	-1,2398	1	
	3	31	0,33333	0,44086	0,39455	-0,1488	2,09167	
	4	40	0,43011	0,87097	0,21045	1,13098	3,1484	
	5	12	0,12903	1	0		4,35138	
8	1	1	0,01075	0,01075	0,02839	-2,299	1	
	2	29	0,31183	0,32258	0,35881	-0,4605	2,58092	
	3	19	0,2043	0,52688	0,39804	0,06743	3,44852	
	4	38	0,4086	0,93548	0,12606	1,51793	4,30615	
	5	6	0,06452	1	0		5,59446	
9	2	8	0,08602	0,08602	0,15701	-1,3657	1	
	3	28	0,30108	0,3871	0,38286	-0,2869	2,07506	
	4	48	0,51613	0,90323	0,17133	1,30015	3,23503	
	5	9	0,09677	1	0		4,59566	
10	2	5	0,05376	0,05376	0,10926	-1,6094	1	
	3	25	0,26882	0,32258	0,35881	-0,4605	2,10388	
	4	44	0,47312	0,7957	0,28355	0,82636	3,19128	
	5	19	0,2043	1	0		4,42011	
11	1	1	0,01075	0,01075	0,02839	-2,299	1	
	2	30	0,32258	0,33333	0,3636	-0,4307	2,60138	
	3	19	0,2043	0,53763	0,39717	0,09448	3,47623	
	4	36	0,3871	0,92473	0,14194	1,43764	4,29985	
	5	7	0,07527	1	0		5,52633	
12	1	2	0,02151	0,02151	0,05149	-2,0236	1	
	2	30	0,32258	0,34409	-0,36807	-0,4013	2,41272	
	3	20	0,21505	0,55914	-0,39455	-0,14879	3,27402	

DATA X DAN Y

Nomor Responden	Persaingan	Perilaku Kewirausahaan	Pendapatan
1	49	54	3620000
2	49	58	3860000
3	60	55	6450000
4	52	60	6080000
5	52	53	3950000
6	56	54	5220000
7	42	50	366000
8	65	62	12350000
9	63	61	11000000
10	62	58	7500000
11	54	55	5000000
12	54	54	4450000
13	63	61	11230000
14	60	60	8600000
15	62	66	13300000
16	43	57	765000
17	59	60	7600000
18	60	56	7264700
19	56	58	6120000
20	44	57	1685000
21	42	65	750000
22	48	69	3535000
23	42	56	532000
24	46	64	2590000
25	57	60	7310000
26	59	53	4900000
27	48	55	3340000
28	54	63	7250000
29	53	63	7170000
30	68	57	10280000
31	57	57	6123000
32	59	55	6100000
33	52	55	4055000
34	46	54	2600000
35	55	58	6160000
36	62	54	7066000
37	50	57	4050000
38	54	57	5400000
39	54	51	3800000
40	56	57	6250000
41	53	55	4420000

42	57	59	6600000
43	49	53	3680000
44	61	54	6800000
45	52	52	3951370
46	46	63	2600000
47	57	67	10250000
48	61	53	6000000
49	48	59	4100000
50	54	56	5525000
51	52	58	4780000
52	44	62	3750000
53	36	57	360000
54	48	49	2653000
55	50	59	4540000
56	45	54	2500000
57	41	56	1700000
58	50	56	4150000
59	52	59	5600000
60	45	57	2700000
61	44	52	988200
62	56	63	8340000
63	42	54	2145000
64	40	53	860000
65	48	57	4050000
66	49	47	2160000
67	60	72	23600000
68	54	68	15820000
69	58	42	2440000
70	56	43	2560000
71	60	63	9880000
72	56	43	2555000
73	46	44	960500
74	44	41	480000
75	49	56	3710000
76	49	58	4200000
77	60	59	8630000
78	52	57	4320000
79	52	49	2600000
80	42	59	2600000
81	46	54	2590000
82	57	56	6410000
83	59	58	7500000
84	48	59	4240000
85	54	51	3951370

86	53	52	3950000
87	68	63	16220000
88	57	52	4780000
89	52	51	3750000
90	46	57	3860000
91	57	47	3950000
92	61	72	36200000
93	52	68	13500000

**DATA AKHIR UNTUK ANALISIS SETELAH MENGGUNAKAN
LOGARITMA NATURAL**

Nomor	Persaingan (X_1)	Perilaku Kewirausahaan (X_2)	Pendapatan (Y)
1	3,891820298	3,988984047	15,1019846
2	3,891820298	4,060443011	15,1661777
3	4,094344562	4,007333185	15,6795907
4	3,951243719	4,094344562	15,6205153
5	3,951243719	3,970291914	15,1892261
6	4,025351691	3,988984047	15,468008
7	3,737669618	3,912023005	12,8103886
8	4,17438727	4,127134385	16,3291666
9	4,143134726	4,110873864	16,2134058
10	4,127134385	4,060443011	15,8304136
11	3,988984047	4,007333185	15,4249485
12	3,988984047	3,988984047	15,3084147
13	4,143134726	4,110873864	16,2340993
14	4,094344562	4,094344562	15,9672728
15	4,127134385	4,189654742	16,4032746
16	3,761200116	4,043051268	13,5476311
17	4,077537444	4,094344562	15,8436588
18	4,094344562	4,025351691	15,7985376
19	4,025351691	4,060443011	15,6270727
20	3,784189634	4,043051268	14,3372761
21	3,737669618	4,17438727	13,5278285
22	3,871201011	4,234106505	15,0782239
23	3,737669618	4,025351691	13,1843988
24	3,828641396	4,158883083	14,7671684
25	4,043051268	4,094344562	15,8047538
26	4,077537444	3,970291914	15,4047458
27	3,871201011	4,007333185	15,0214814
28	3,988984047	4,143134726	15,796512
29	3,970291914	4,143134726	15,7854162
30	4,219507705	4,043051268	16,1457108
31	4,043051268	4,043051268	15,6275627
32	4,077537444	4,007333185	15,6237993
33	3,951243719	4,007333185	15,2154612
34	3,828641396	3,988984047	14,771022

35	4,007333185	4,060443011	15,6335873
36	4,127134385	3,988984047	15,7708051
37	3,912023005	4,043051268	15,2142274
38	3,988984047	4,043051268	15,5019095
39	3,988984047	3,931825633	15,1505116
40	4,025351691	4,043051268	15,648092
41	3,970291914	4,007333185	15,3016503
42	4,043051268	4,077537444	15,7025802
43	3,891820298	3,970291914	15,1184233
44	4,110873864	3,988984047	15,7324332
45	3,951243719	3,951243719	15,1895729
46	3,828641396	4,143134726	14,771022
47	4,043051268	4,204692619	16,1427883
48	4,110873864	3,970291914	15,60727
49	3,871201011	4,077537444	15,2264975
50	3,988984047	4,025351691	15,5247938
51	3,951243719	4,060443011	15,3799511
52	3,784189634	4,127134385	15,1372664
53	3,583518938	4,043051268	12,7938593
54	3,871201011	3,891820298	14,7912016
55	3,912023005	4,077537444	15,3284376
56	3,80666249	3,988984047	14,7318013
57	3,713572067	4,025351691	14,3461388
58	3,912023005	4,025351691	15,2386189
59	3,951243719	4,077537444	15,5382772
60	3,80666249	4,043051268	14,8087623
61	3,784189634	3,951243719	13,8036404
62	4,025351691	4,143134726	15,9365738
63	3,737669618	3,988984047	14,5786501
64	3,688879454	3,970291914	13,6646877
65	3,871201011	4,043051268	15,2142274
66	3,891820298	3,850147602	14,5856188
67	4,094344562	4,276666119	16,9767573
68	3,988984047	4,219507705	16,5767855
69	4,060443011	3,737669618	14,7075086
70	4,025351691	3,761200116	14,7555178
71	4,094344562	4,143134726	16,1060231
72	4,025351691	3,761200116	14,7535628
73	3,828641396	3,784189634	13,7752093

74	3,784189634	3,713572067	13,0815414
75	3,891820298	4,025351691	15,1265424
76	3,891820298	4,060443011	15,2505951
77	4,094344562	4,077537444	15,9707551
78	3,951243719	4,043051268	15,278766
79	3,951243719	3,891820298	14,771022
80	3,737669618	4,077537444	14,771022
81	3,828641396	3,988984047	14,7671684
82	4,043051268	4,025351691	15,6733698
83	4,077537444	4,060443011	15,8304136
84	3,871201011	4,077537444	15,2600738
85	3,988984047	3,931825633	15,1895729
86	3,970291914	3,951243719	15,1892261
87	4,219507705	4,143134726	16,6017556
88	4,043051268	3,951243719	15,3799511
89	3,951243719	3,931825633	15,1372664
90	3,828641396	4,043051268	15,1661777
91	4,043051268	3,850147602	15,1892261
92	4,110873864	4,276666119	17,4045697
93	3,951243719	4,219507705	16,4182002

HASIL PERHITUNGAN SPSS
(PENGARUH PERSAINGAN DAN PERILAKU KEWIRAUSAHAAN
TERHADAP PENDAPATAN USAHA
(Studi Kasus pada Pedagang Pakaian Dewasa di Mall Metro Trade Centre)

Regression

Variables Entered/Removed(b)

Model	Variables Entered	Variables Removed	Method
1	X2, X1(a)	.	Enter

a All requested variables entered.

b Dependent Variable: Y

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,924(a)	,854	,851	,32394

a Predictors: (Constant), X2, X1

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	-17,178	1,509		-11,385	,000		
	X1	4,844	,262	,756	18,518	,000	,974	1,026
	X2	3,291	,316	,424	10,401	,000	,974	1,026

a Dependent Variable: Y

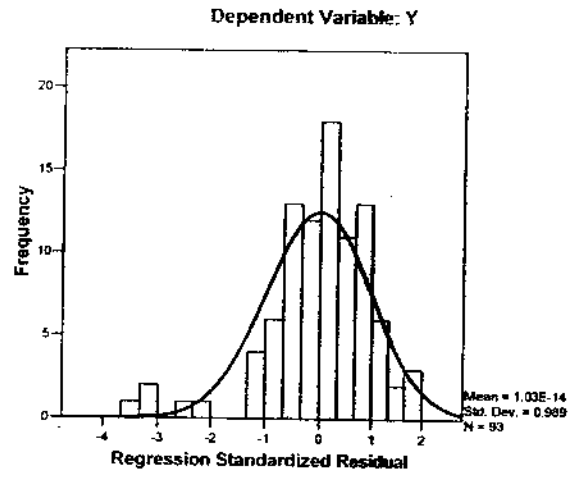
Tabel 4.25
ANOVA(b)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	55,209	2	27,605	263,065	,000(a)
	Residual	9,444	90	,105		
	Total	64,653	92			

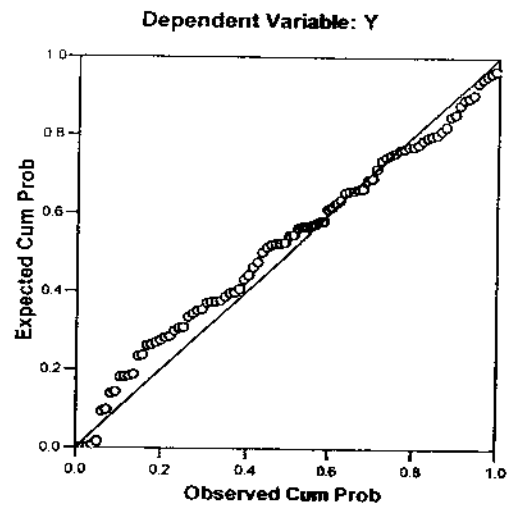
a Predictors: (Constant), x2, x1

b Dependent Variable: y

Histogram

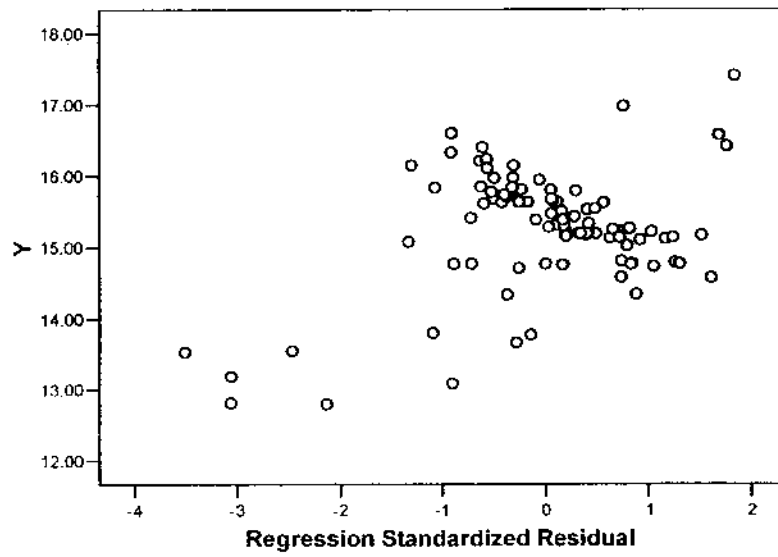


Normal P-P Plot of Regression Standardized Residual



Scatterplot

Dependent Variable: Y



SOAL ITEM NO 12 PERSAINGAN

Nomor Responden	X	Y	X ²	Y ²	X.Y
1	4	49	16	2401	196
2	4	49	16	2401	196
3	5	60	25	3600	300
4	3	52	9	2704	156
5	4	52	16	2704	208
6	4	56	16	3136	224
7	4	42	16	1764	168
8	5	65	25	4225	325
9	5	63	25	3969	315
10	4	62	16	3844	248
11	4	54	16	2916	216
12	5	54	25	2916	270
13	4	63	16	3969	252
14	5	60	25	3600	300
15	5	62	25	3844	310
16	4	43	16	1849	172
17	2	59	4	3481	118
18	4	60	16	3600	240
19	4	56	16	3136	224
20	3	44	9	1936	132
21	3	42	9	1764	126
22	3	48	9	2304	144
23	5	42	25	1764	210
24	3	46	9	2116	138
25	4	57	16	3249	228
26	4	59	16	3481	236
27	5	48	25	2304	240
28	4	54	16	2916	216
29	4	53	16	2809	212
30	5	68	25	4624	340
31	5	57	25	3249	285
32	4	59	16	3481	236
33	3	52	9	2704	156
34	4	46	16	2116	184
35	2	55	4	3025	110
36	5	62	25	3844	310
37	5	50	25	2500	250
38	4	54	16	2916	216
39	4	54	16	2916	216
40	3	56	9	3136	168
41	3	53	9	2809	159
42	4	57	16	3249	228
43	4	49	16	2401	196
44	4	61	16	3721	244
45	5	52	25	2704	260

46	5	46	25	2116	230
47	5	57	25	3249	285
48	4	61	16	3721	244
49	4	48	16	2304	192
50	4	54	16	2916	216
51	3	52	9	2704	156
52	3	44	9	1936	132
53	2	36	4	1296	72
54	4	48	16	2304	192
55	3	50	9	2500	150
56	4	45	16	2025	180
57	4	41	16	1681	164
58	3	50	9	2500	150
59	5	52	25	2704	260
60	3	45	9	2025	135
61	3	44	9	1936	132
62	5	56	25	3136	280
63	2	42	4	1764	84
64	3	40	9	1600	120
65	2	48	4	2304	96
66	4	49	16	2401	196
67	5	60	25	3600	300
68	5	54	25	2916	270
69	5	58	25	3364	290
70	5	56	25	3136	280
71	5	60	25	3600	300
72	5	56	25	3136	280
73	5	46	25	2116	230
74	4	44	16	1936	176
75	4	49	16	2401	196
76	4	49	16	2401	196
77	5	60	25	3600	300
78	3	52	9	2704	156
79	4	52	16	2704	208
80	5	42	25	1764	210
81	3	46	9	2116	138
82	4	57	16	3249	228
83	4	59	16	3481	236
84	5	48	25	2304	240
85	4	54	16	2916	216
86	4	53	16	2809	212
87	5	68	25	4624	340
88	5	57	25	3249	285
89	5	52	25	2704	260
90	5	46	25	2116	230
91	5	57	25	3249	285
92	4	61	16	3721	244
93	5	52	25	2704	260
Total	378	4895	1606	261839	20110

CONTOH PERHITUNGAN MANUAL

$$\begin{aligned}
 r_{xy} &= \frac{N \sum XY - (\sum X)(\sum Y)}{\sqrt{N \sum X^2 - (\sum X)^2} \sqrt{N \sum Y^2 - (\sum Y)^2}} \\
 &= \frac{93(20110) - (378)(4895)}{\sqrt{93(1606) - (378)^2} \sqrt{93(261839) - (4895)^2}} \\
 &= \frac{1870230 - 1850310}{\sqrt{(149358 - 142884)(24351027 - 23961025)}} \\
 &= \frac{19920}{\sqrt{(6474)(390002)}} \\
 &= \frac{19920}{\sqrt{2524872948}} \\
 &= \frac{19920}{50248,11} \\
 &= 0,396
 \end{aligned}$$

Contoh perhitungan reliabilitas

$$R_{11} = \left[\frac{k}{k-1} \right] \left[1 - \frac{\sum \sigma_{11}^2}{\sigma_t^2} \right]$$

Keterangan :

R_{11} = reliabilitas instrumen

K = banyaknya butir pertanyaan atau banyaknya item

$\sum \sigma_n^2$ = jumlah varian butir

σ_t^2 = varian total

Diketahui :

$$K = 93$$

$$\sum \sigma_n^2 = 11,20$$

$$\sigma_i^2 = 45,0921494$$

Dengan demikian maka :

$$\begin{aligned} R_{11} &= \left[\frac{93}{93-1} \right] \left[1 - \frac{11,20}{45,0921494} \right] \\ &= [1,011] [1 - 0,248] \\ &= [1,011] [0,752] \\ &= 0,76 \end{aligned}$$

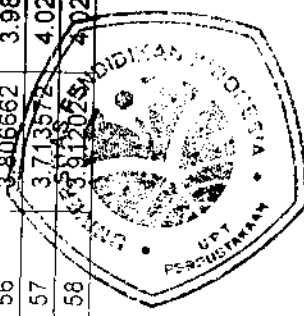
Berdasarkan pada kriteria yang telah ditetapkan di awal, maka dapat disimpulkan bahwa instrumen penelitian ini memiliki tingkat reliabilitas *tinggi*.

TABEL PENOLONG

Nomor Responden

	X_1	X_2	Y	X_1^2	X_2^2	Y^2	X_1X_2	X_1Y	X_2Y
1	3.89182	3.988984	15.10198	15.14627	15.91199	228.0699	15.52441	58.77421	60.24158
2	3.89182	4.060443	15.18618	15.14627	16.4872	230.0129	15.80251	59.02404	61.5814
3	4.094345	4.007333	15.67959	16.76366	16.05872	245.8496	16.4074	64.19765	62.83334
4	3.951244	4.094345	15.62052	15.61233	16.76366	244.0005	16.17775	61.72046	63.95577
5	3.951244	3.970292	15.18923	15.61233	15.76322	230.7126	15.68759	60.01633	60.30566
6	4.025352	3.988984	15.46801	16.20346	15.91199	239.2593	16.05706	62.26417	61.70164
7	3.73767	3.912023	12.81039	13.97017	15.30392	164.1061	14.62185	47.881	50.11453
8	4.174387	4.127134	16.32917	17.42551	17.03324	266.6417	17.22826	68.16427	67.39267
9	4.143135	4.110874	16.21341	17.16557	16.89928	262.8745	17.0319	67.17432	66.65127
10	4.127134	4.060443	15.83041	17.03324	16.4872	250.602	16.75799	65.33424	64.27849
11	3.988984	4.007333	15.42495	15.91199	16.05872	237.929	15.98519	61.52987	61.81291
12	3.988984	3.988984	15.30841	15.91199	15.91199	234.3476	15.91199	61.06502	61.05502
13	4.143135	4.110874	16.2341	17.16557	16.89928	263.546	17.0319	67.26006	66.73633
14	4.094345	4.094345	15.96727	16.76366	16.76366	254.9538	16.76366	65.37552	65.37552
15	4.127134	4.189655	16.40327	17.03324	17.55321	269.0674	17.29127	67.69852	68.72406
16	3.7612	4.043051	13.54763	14.14663	16.34626	183.5383	15.20672	50.95535	54.77377
17	4.077537	4.094345	15.84366	16.62631	16.76366	251.0215	16.69484	64.60311	64.8694
18	4.094345	4.025352	15.79854	16.76366	16.20346	249.5938	16.48118	64.68466	63.59467
19	4.025352	4.060443	15.62707	16.20346	16.4872	244.2054	16.34471	62.90446	63.45284
20	3.78419	4.043051	14.33728	14.32009	16.34626	205.5575	15.29967	54.25497	57.96634
21	3.73767	4.174387	13.52783	13.97017	17.42551	183.0021	15.60248	50.56255	56.4704
22	3.871201	4.234107	15.07822	14.9862	17.92766	227.3528	16.39108	58.37084	63.84281
23	3.73767	4.025352	13.1844	13.97017	16.20346	173.8284	15.04543	49.27893	53.07184
24	3.828641	4.158883	14.76717	14.65849	17.29631	218.0693	15.92287	56.53819	61.41493
25	4.043051	4.094345	15.80475	16.34626	16.76366	249.7902	16.55364	63.89943	64.71011
26	4.077537	3.970292	15.40475	16.62631	15.76322	237.3062	16.18901	62.81343	61.16134
27	3.871201	4.007333	15.02148	14.9862	16.05872	225.6449	15.51319	58.15117	60.19608

28	3.988984	4.143135	15.79651	15.91199	17.16557	249.5298	16.5269	63.01203	65.44708
29	3.970292	4.143135	15.78542	15.76322	17.16557	249.1794	16.44945	62.67271	65.40111
30	4.219508	4.043051	16.14571	17.80425	16.34626	260.684	17.05969	68.12695	65.27784
31	4.043051	4.043051	15.62756	16.34626	16.34626	244.2207	16.34626	63.18304	63.18304
32	4.077537	4.007333	15.6238	16.62631	16.05872	244.1031	16.34005	63.70663	62.60977
33	3.951244	4.007333	15.21546	15.61233	16.05872	231.5103	15.83395	60.12	60.97342
34	3.828641	3.988984	14.77102	14.65849	15.91199	218.1831	15.27239	56.55295	58.92137
35	4.007333	4.060443	15.63359	16.05872	16.4872	244.4091	16.27155	62.64899	63.47929
36	4.127134	3.988984	15.77081	17.03324	15.91199	248.7183	16.46307	65.08823	62.90949
37	3.912023	4.043051	15.21423	15.30392	16.34626	231.4727	15.81651	59.51841	61.51119
38	3.988984	4.043051	15.50181	15.91199	16.34626	240.3092	16.12767	61.83687	62.67501
39	3.988984	3.931826	15.15051	15.91199	15.45925	229.538	15.68399	60.43515	59.55917
40	4.025352	4.043051	15.64809	16.20346	16.34626	244.8628	16.2747	62.98907	63.26604
41	3.970292	4.007333	15.30165	15.76322	16.05872	234.1405	15.91028	60.75202	61.31881
42	4.043051	4.077537	15.70258	16.34626	16.62631	246.571	16.48569	63.48634	64.02786
43	3.89182	3.970292	15.11842	15.14627	15.76322	228.5667	15.45166	58.83819	60.02455
44	4.110874	3.988984	15.73243	16.89928	15.91199	247.5095	16.39821	64.67405	62.75642
45	3.951244	3.951244	15.18957	15.61233	15.61233	230.7231	15.61233	60.0177	60.0177
46	3.828641	4.143135	14.77102	14.65849	17.16557	218.1831	15.86258	56.55295	61.19833
47	4.043051	4.204693	16.14279	16.34626	17.67944	260.5896	16.99979	65.26612	67.87546
48	4.110874	3.970292	15.60727	16.89928	15.76322	243.5869	16.32137	64.15952	61.96542
49	3.871201	4.077537	15.2265	14.9862	16.62631	231.8462	15.78497	58.94483	62.08661
50	3.988984	4.025352	15.52479	15.91199	16.20346	241.0192	16.05706	61.92815	62.49275
51	3.951244	4.060443	15.37995	15.61233	16.4872	236.5429	16.0438	60.76994	62.44941
52	3.78419	4.127134	15.13727	14.32009	17.03324	229.1368	15.61786	57.28229	62.47353
53	3.583519	4.043051	12.79386	12.84161	16.34626	163.6828	14.48835	45.84704	51.72623
54	3.871201	3.89182	14.7912	14.9862	15.14627	218.7796	15.06602	57.25971	57.5647
55	3.912023	4.077537	15.32844	15.30392	16.62631	234.961	15.95142	59.9652	62.50228
56	3.806662	3.988984	14.7318	14.49068	15.91199	217.026	15.18472	56.079	58.76492
57	3.713572	4.025352	14.34614	13.79062	16.20346	205.8117	14.94843	53.27542	57.74825
58	3.833333	4.025352	15.23862	15.30392	16.20346	232.2155	15.74727	59.61383	61.3408



90	3.828641	4.043051	15.16618	14.65849	16.34626	230.0129	15.47939	58.06586	61.31763
91	4.043051	3.850148	15.18923	16.34626	14.82364	230.7126	15.56634	61.41082	58.48076
92	4.110874	4.276666	17.40457	16.89928	18.28987	302.919	17.58083	71.54799	74.43353
93	3.951244	4.219508	16.4182	15.61233	17.80425	269.5573	16.6723	64.87231	69.27672
Jumlah	367.818	374.8768	1417.878	1456.306	1512.179	21681.61	1482.858	5616.06	5719.917
Rata-rata	3.955032	4.030933	15.246	15.6592	16.25999	233.1356	15.94471	60.38774	61.50448

PERHITUNGAN REGRESI MANUAL DENGAN METODE MATRIX

Langkah 1 Mencari Determinan

$$X'X = \begin{vmatrix} n & \sum X_1 & \sum X_2 \\ \sum X_1 & \sum X_1^2 & \sum X_1 X_2 \\ \sum X_2 & \sum X_1 X_2 & \sum X_2^2 \end{vmatrix}$$

$$X'X = \begin{vmatrix} 93 & 367.818 & 374.8768 \\ 367.818 & 1456.306 & 1482.858 \\ 374.8768 & 1482.858 & 1512.179 \end{vmatrix}$$

$$X'Y = \begin{vmatrix} \sum Y \\ \sum X_1 \cdot Y \\ \sum X_2 \cdot Y \end{vmatrix}$$

$$X'Y = \begin{vmatrix} 1417.878 \\ 5616.06 \\ 5719.917 \end{vmatrix}$$

$$\text{DET } X'X = 153.4117$$

Langkah 2 CARI KOFAKTOR (K) → TUTUP BARIS KOLOM

$$K = \begin{vmatrix} 11 & -12 & 13 \\ -21 & 22 & -23 \\ 31 & -32 & 33 \end{vmatrix}$$

$$11 = \begin{vmatrix} 1456.306 & 1482.858 \\ 1482.858 & 1512.179 \end{vmatrix} 3328.067 = 3328.067$$

$$-12 = \begin{vmatrix} 367.818 & 1482.858 \\ 374.8768 & 1512.179 \end{vmatrix} 317.614 = -317.614$$

$$13 = \begin{vmatrix} 367.818 & 1456.306 \\ 374.8768 & 1482.858 \end{vmatrix} -513.589 = -513.589$$

$$-21 = \begin{vmatrix} 367.818 & 374.8768 \\ 1482.858 & 1512.179 \end{vmatrix} 317.614 = -317.614$$

$$22 = \begin{vmatrix} 93 & 374.8768 \\ 374.8768 & 1512.179 \end{vmatrix} 100.0174 = 100.0174$$

$$-23 \quad \left| \begin{array}{cc} 93 & 367.818 \\ 374.8768 & 1482.858 \end{array} \right| 19.33992 = -19.3399$$

$$31 = \quad \left| \begin{array}{cc} 367.818 & 1456.306 \\ 374.8768 & 1482.858 \end{array} \right| -513.589 = -513.589$$

$$-32 \quad \left| \begin{array}{cc} 93 & 374.8768 \\ 367.818 & 1482.858 \end{array} \right| 19.33992 = -19.3399$$

$$33 = \quad \left| \begin{array}{cc} 93 & 367.818 \\ 367.818 & 1456.306 \end{array} \right| 146.3878 = 146.3878$$

$$K = \left| \begin{array}{ccc} 3328.067 & -317.614 & -513.589 \\ -317.614 & 100.0174 & -19.3399 \\ -513.589 & -19.3399 & 146.3878 \end{array} \right|$$

Langkah 3 Mencari Invers

$$A^{-1} = \frac{1}{DET X'X} xK$$

$$A^{-1} = \frac{1}{153.4117} x \left| \begin{array}{ccc} 3328.067 & -317.614 & -513.589 \\ -317.614 & 100.0174 & -19.3399 \\ -513.589 & -19.3399 & 146.3878 \end{array} \right|$$

$$A^{-1} = \left| \begin{array}{ccc} 21.6937 & -2.07034 & -3.34778 \\ -2.07034 & 0.651954 & -0.12607 \\ -3.34778 & -0.12607 & 0.954215 \end{array} \right|$$

$$\begin{bmatrix} \beta_0 \\ \beta_1 \\ \beta_2 \end{bmatrix} = [A^{-1}] [X'Y]$$

$$\begin{bmatrix} \beta_0 \\ \beta_1 \\ \beta_2 \end{bmatrix} = \begin{bmatrix} 3328.067 & -317.614 & -513.589 \\ -317.614 & 100.0174 & -19.3399 \\ -513.589 & -19.3399 & 146.3878 \end{bmatrix} \begin{bmatrix} 1417.878 \\ 5616.06 \\ 5719.917 \end{bmatrix}$$

$$\begin{bmatrix} \beta_0 \\ \beta_1 \\ \beta_2 \end{bmatrix} = \begin{bmatrix} -17.1777 \\ 4.84361 \\ 3.291325 \end{bmatrix}$$

Model Penelitian:

$$-17.1777 \text{ PU} + 4.84361 \text{ PS} + 3.291325 \text{ KWU}$$

Ket : Y = PU = Pendapatan Usaha

X1 = PS = Persaingan

X2 = KWU = Perilaku Kewirausahaan

Mencari Koefisien Determinasi (R^2)

Diketahui :

$$\sum Y = 1417.878$$

$$\sum \bar{Y}^2 = 232.441$$

$$\sum X_1 Y = 5616.06$$

$$\sum X_2 Y = 5719.917$$

$$R^2 = \frac{(\beta_0 \sum Y + \beta_1 \sum X_1 Y + \beta_2 \sum X_2 Y + \beta_3 \sum X_3 Y) - n \bar{Y}^2}{\sum Y^2 - n \bar{Y}^2}$$

$$= \frac{((-17.1777 \times 1417.878) + (4.84361 \times 5616.06) + (3.291325 \times 5719.917) - (93) \times (232.441))}{(21681.61) - (93) \times (232.441)}$$

$$= \frac{-24355.883 + 27202.004 + 18826.106 - 21617.013}{21681.61 - 21617.013}$$

$$= \frac{55.214276}{64.597}$$

$$R^2 = 0.854$$

UJI F (SIMULTAN)

$$F = \frac{R^2 / k}{(1 - R^2) / (n - k - 1)}$$

$$F = \frac{0,854 / 2}{(1 - 0,854) / (93 - 2 - 1)}$$

$$= \frac{0,427}{0,001622}$$

$$= 263,2192$$

Model Penelitian:

$$-17.1777 \text{ PU} + 4.84361 \text{ PS} + 3.291325 \text{ KWU}$$

Ket : Y = PU = Pendapatan Usaha

X1 = PS = Persaingan

X2 = KWU = Perilaku Kewirausahaan

Mencari Koefisien Determinasi (R^2)

Diketahui :

$$\sum Y = 1417.878$$

$$\sum \bar{Y}^2 = 232.441$$

$$\sum X_1 Y = 5616.06$$

$$\sum X_2 Y = 5719.917$$

$$R^2 = \frac{(\beta_0 \sum Y + \beta_1 \sum X_1 Y + \beta_2 \sum X_2 Y + \beta_3 \sum X_3 Y) - n\bar{Y}^2}{\sum Y^2 - n\bar{Y}^2}$$

$$= \frac{((-17.1777 \times 1417.878) + (4.84361 \times 5616.06) + (3.291325 \times 5719.917) - (93) \times (232.441)}{(21681.61) - (93) \times (232.441)}$$

$$= \frac{-24355.883 + 27202.004 + 18826.106 - 21617.013}{21681.61 - 21617.013}$$

$$= \frac{55.214276}{64.597}$$

$$R^2 = 0.854$$

UJI F (SIMULTAN)

$$F = \frac{R^2 / k}{(1 - R^2) / (n - k - 1)}$$

$$F = \frac{0,854 / 2}{(1 - 0,854) / (93 - 2 - 1)}$$

$$= \frac{0,427}{0,001622}$$

$$= 263,2192$$

UJI t (PARSIAL)**1). Mencari Standar Error**

Untuk $\sum e_i^2$ dapat dicari dengan rumus:

$$\sum ei^2 = \sum Y^2 - \beta_0 \cdot \sum Y - \beta_1 \cdot \sum X_1 \cdot Y - \beta_2 \cdot \sum X_2 \cdot Y$$

$$\sum ei^2 = 21681.61 - (-17.1777 \times 1417.878) - (4.84361 \times 5616.06) - (3.291325 \times 5719.917)$$

$$\sum ei^2 = 9.383$$

$$Se = \frac{\sum ei^2}{n - K} = \frac{9.383}{93 - 3} = \frac{9.383}{90} = 0.104$$

$$sb_0^2 = \frac{Se}{DET X'X} \times d_{11}$$

Nilai d = Lihat (K)

$$Sb_0^2 = \frac{0.104}{153.4117} \times 3328.067 = 2.256$$

$$sb_0 = \sqrt{2.256} = 1.502$$

$$sb_1^2 = \frac{Se}{DET X'X} \times d_{22}$$

$$Sb_1^2 = \frac{0.104}{153.4117} \times 100.0174 = 0.068$$

$$sb_1 = \sqrt{0.068} = 0.261$$

$$sb_2^2 = \frac{Se}{DET X'X} \times d_{33}$$

$$Sb_2^2 = \frac{0.104}{153.4117} \times 146.3878 = 0.099$$

$$sb_2 = \sqrt{0.099} = 0.315$$

2). Mencari t Hitung

$$t_0 = \frac{\beta_0}{Sb_0} = \frac{-17.1777}{1.502} = -11.437$$

$$t_1 = \frac{\beta_1}{Sb_1} = \frac{4.84361}{0.261} = 18.558$$

$$t_2 = \frac{\beta_2}{Sb_2} = \frac{3.291325}{0.315} = 10.449$$

Catatan : Hasil perhitungan data secara manual dengan olahan SPSS 12.0 for window tidak berbeda jauh hanya terjadi sedikit perbedaan angka dibelakang koma.



RIWAYAT PENULIS

Nama saya Mira Yuni Safitri Purwani dengan panggilan sapa Mira, lahir di Bandung pada tanggal 21 Juni 1986. Saya adalah anak pertama dari tiga bersaudara, saya memiliki adik laki-laki bernama Budi Prasetya Djaja yang sekarang tengah kuliah di salahsatu perguruan tinggi swasta di Bandung, sedangkan adik perempuan saya bernama Risna Septiani Purwanti yang masih duduk di kelas tiga Sekolah Dasar, saya terpaut jauh 14 tahun dengan adik perempuan saya.



Orangtua saya bernama Lukman Purwadjaja dan Yeni Suryani, ayah saya bekerja sebagai Engineer di salah satu perusahaan kontraktor di Aceh, dan sedang kuliah untuk melanjutkan ke S2 di salah satu perguruan tinggi negeri di Aceh dan ibu saya adalah seorang ibu rumah tangga, walaupun diam di rumah ibu saya tetap berpenghasilan karena ternyata selama ini beliau bisa dikategorikan sebagai seorang entrepreneur kecil-kecilan.

Alhamdulillah sampai sejauh ini saya hidup berkecukupan dan untungnya dari dulu saya duduk di sekolah-sekolah negeri di Bandung sehingga tidak terlalu membebankan biaya pendidikan pada orangtua. Saya sangat bersyukur karena Allah SWT sangat sayang pada saya, saya bukan termasuk orang yang pintar apalagi dikategorikan sebagai seorang anak yang rajin tapi satu yang mesti ditanamkan dalam diri bahwa saya harus selalu berusaha untuk maju, karena esok harus lebih baik daripada hari ini.

RIWAYAT PENDIDIKAN

1. TK Al-Amien
2. SD Negeri Soka V Bandung
3. SMP Negeri 31 Bandung
4. SMA Negeri 23 Bandung
5. Jurusan Pendidikan Ekonomi 2004, Universitas Pendidikan Indonesia