

LAMPIRAN 1

VALIDASI KONSTRUK

LAMPIRAN 2
KUESIONER PENDAHULUAN

KUESIONER PENDAHULUAN

Saya selaku mahasiswa Universitas Kristen Maranatha, jurusan Teknik Industri 2005, memohon kesediaan Bapak/Ibu/Sdr/i untuk mengisi kuesioner pendahuluan ini yang dibutuhkan dalam pembuatan laporan Tugas Akhir. Saya ucapkan terima kasih atas bantuan, kerjasama, dan kesediaan Bapak/Ibu/Sdr/i dalam meluangkan waktu untuk membaca dan mengisi kuesioner ini.

Petunjuk Pengisian :

Berikan tanda checklist [√] pada tabel dibawah ini yang sesuai dengan pendapat Bapak/Ibu/Sdr/i.

No	Variabel	Tingkat Kepentingan	
		Penting	Tidak Penting
1	Adanya keterangan mengenai harga produk (label harga)		
2	Harga produk yang terjangkau		
3	Adanya promosi melalui media cetak (koran)		
4	Kebersihan toko		
5	Pegawai mengetahui dengan baik produk-produk yang dijual		
6	Ketepatan jam operasional toko		
7	Tersedianya jasa antar (<i>delivery service</i>)		
8	Adanya tempat parkir yang memadai		
9	Ketepatan kasir dalam transaksi pembayaran		
10	Pegawai mengangkat barang ke kendaraan		
11	Produk (barang) dalam keadaan bersih		
12	Ketanggapan pihak toko dalam melayani keinginan konsumen		
13	Kecepatan pegawai dalam melayani konsumen		
14	Kecepatan kasir dalam transaksi pembayaran		
15	Adanya promosi melalui brosur		
16	Keramahan pihak toko dalam pelayanan		
17	Adanya promosi melalui media elektronik (radio)		
18	Adanya pembayaran menggunakan kartu kredit		
19	Produk (barang) dalam keadaan tidak cacat		
20	Tersedia berbagai pilihan <i>merk</i> untuk setiap jenis produk (barang)		
21	Harga produk dapat ditawar		
22	Penerangan toko yang memadai		
23	Kelengkapan produk (barang) yang dijual		
24	Tersedianya kursi tunggu		
25	Sirkulasi udara yang baik (tidak pengap)		
26	Adanya diskon jika pembelian dalam jumlah banyak		
27	Penataan produk yang rapi		
28	Kemudahan dalam transportasi (banyak dilalui angkutan umum)		
29	Keamanan area parkir		

Lainnya :

LAMPIRAN 3

DATA MENTAH KUESIONER

PENDAHULUAN

LAMPIRAN 4
KUESIONER PENELITIAN

7. Besarnya uang saku anda per bulan saat ini (bagi pelajar/mahasiswa) :

- a. < Rp. 300.000
- b. Rp 300.000 - Rp 500.000
- c. > Rp 500.000 - Rp 750.000
- d. > Rp 750.000 - Rp 1 juta
- e. > Rp 1 juta

8. Jumlah uang yang dibelanjakan dalam 1 kali belanja di toko Berkah:

- a. < Rp 100.000
- b. Rp 100.000 – Rp 300.000
- c. > Rp 300.000 – Rp 500.000
- d. > Rp 500.000 - Rp 750.000
- e. > Rp 750.000 - Rp 1 juta
- e. > Rp 1 juta

9. Frekuensi belanja anda dalam 1 bulan :

- a. 1 kali
- b. 2 kali – 4 kali
- c. 5 kali – 7 kali
- c. 8 kali – 10 kali
- d. > 10 kali

10. Anda mengetahui Toko Berkah dari:

- a. Teman atau saudara
- b. Kebetulan lewat
- c. Lainnya.....

Bagian II

Petunjuk Pengisian :

Pilihlah salah satu jawaban yang paling tepat menurut anda.

Berikan *checklist* (√) pada :

- Kolom Kepentingan, Anda diminta untuk menilai seberapa pentingkah variabel-variabel tersebut

Keterangan:

SP : Sangat Penting

TP : Tidak Penting

P : Penting

STP : Sangat Tidak Penting

- Kolom Kepuasan, Anda diminta untuk menilai seberapa puaskah anda terhadap variabel-variabel tersebut

Keterangan:

SPU : Sangat Puas

TPU : Tidak Puas

PU : Puas

STPU : Sangat Tidak Puas

- Kolom Peringkat, Anda diminta untuk memberikan ranking untuk ketiga toko yang ada dibawah ini berdasarkan variabel-variabel yang ada.

Keterangan :

1 : Untuk yang terbaik pertama

2 : Untuk yang terbaik kedua

3 : Untuk yang terbaik ketiga

Tingkat Kepentingan				Variabel	Tingkat Performansi				Peringkat		
SP	P	TP	STP		SPU	PU	TPU	STPU	Berkah	Abun	Umum
				Harga produk yang terjangkau							
				Kebersihan toko							
				Pegawai mengetahui dengan baik produk-produk yang dijual							
				Ketepatan jam operasional toko							
				Tersedianya jasa antar (<i>delivery service</i>)							
				Ketepatan kasir dalam transaksi pembayaran							
				Pegawai mengangkat barang ke kendaraan							
				Produk (barang) dalam keadaan bersih							
				Ketanggapan pihak toko dalam melayani keinginan konsumen							
				Kecepatan pegawai dalam melayani konsumen							
				Kecepatan kasir dalam transaksi pembayaran							
				Keramahan pihak toko dalam pelayanan							
				Produk (barang) dalam keadaan tidak cacat							
				Tersedia berbagai pilihan <i>merk</i> untuk setiap jenis produk (barang)							
				Harga produk dapat ditawar							
				Penerangan toko yang memadai							
				Kelengkapan produk (barang) yang dijual							
				Tersedianya kursi tunggu							
				Sirkulasi udara yang baik (tidak pengap)							
				Adanya diskon jika pembelian dalam jumlah banyak							
				Penataan produk yang rapi							
				Kemudahan dalam transportasi (banyak dilalui angkutan umum)							
				Keamanan area parkir							

LAMPIRAN 5
DATA MENTAH TINGKAT
KEPENTINGAN

LAMPIRAN 6
DATA MENTAH TINGKAT
KEPUASAN

LAMPIRAN 7

DATA MENTAH PERINGKAT TOKO

Var 1

Rsp	Toko		
	Br	Ab	Um
1	2	1	3
2	1	2	3
3	3	1	2
4	2	3	1
5	3	1	2
6	3	2	1
7	3	2	1
8	1	3	2
9	3	1	2
10	2	3	1
11	3	2	1
12	1	2	3
13	3	2	1
14	2	3	1
15	1	2	3
16	3	2	1
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18	3	1	2
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22	2	3	1
23	3	2	1
24	1	3	2
25	3	1	2
26	3	2	1
27	2	3	1
28	3	1	2
29	2	3	1
30	3	1	2

Var 2

Rsp	Toko		
	Br	Ab	Um
1	2	1	3
2	2	3	1
3	2	1	3
4	3	1	2
5	1	3	2
6	3	2	1
7	2	1	3
8	1	2	3
9	3	2	1
10	2	1	3
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22	2	1	3
23	2	1	3
24	2	1	3
25	2	1	3
26	2	3	1
27	1	3	2
28	3	1	2
29	1	3	2
30	2	1	3

Var 3

Rsp	Toko		
	Br	Ab	Um
1	1	3	2
2	1	3	2
3	2	3	1
4	1	2	3
5	3	2	1
6	1	3	2
7	1	3	2
8	1	2	3
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26	3	1	2
27	1	3	2
28	2	3	1
29	2	1	3
30	1	3	2

Var 4

Rsp	Toko		
	Br	Ab	Um
1	3	2	1
2	2	1	3
3	2	1	3
4	3	2	1
5	3	2	1
6	2	3	1
7	3	1	2
8	3	1	2
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26	3	2	1
27	3	1	2
28	3	1	2
29	3	2	1
30	2	1	3

Var 5

Rsp	Toko		
	Br	Ab	Um
1	1	2	3
2	2	3	1
3	1	2	3
4	2	1	3
5	1	2	3
6	2	1	3
7	1	3	2
8	2	3	1
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26	2	3	1
27	1	2	3
28	2	1	3
29	1	2	3
30	2	1	3

Var 6

Rsp	Toko		
	Br	Ab	Um
1	2	1	3
2	1	3	2
3	2	3	1
4	2	1	3
5	3	2	1
6	2	3	1
7	3	2	1
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120	2	3	1

91	1	2	3
92	3	2	1
93	3	2	1
94	1	3	1
95	1	2	3
96	3	1	2
97	1	3	2
98	1	2	3
99	2	1	3
100	1	3	2
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103	3	1	2
104	1	3	2
105	1	2	3
106	2	1	3
107	1	3	2
108	1	3	1
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111	3	2	1
112	1	3	1
113	1	2	3
114	3	2	1
115	2	1	3
116	3	1	2
117	1	2	3
118	3	2	1
119	1	2	3
120	3	1	2

91	2	1	3
92	1	3	2
93	2	3	1
94	2	1	3
95	3	2	1
96	2	3	1
97	3	2	1
98	2	1	3
99	1	3	2
100	2	3	1
101	2	1	3
102	3	2	1
103	2	3	1
104	3	2	1
105	2	1	3
106	2	3	1
107	3	2	1
108	3	1	2
109	3	1	2
110	1	2	3
111	2	1	3
112	3	2	1
113	3	2	1
114	3	2	1
115	2	3	1
116	1	2	3
117	3	2	1
118	2	3	1
119	1	2	3
120	2	1	3

Var 7

Rsp	Toko		
	Br	Ab	Um
1	3	2	1
2	2	1	3
3	1	2	3
4	3	1	2
5	1	3	2
6	2	3	1
7	2	1	3
8	1	3	2
9	1	3	1
10	1	2	3
11	3	2	1
12	3	2	1
13	1	3	1
14	1	2	3
15	3	1	2
16	1	3	2
17	1	2	3
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21	1	3	2
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23	3	2	1
24	3	1	2
25	1	3	2
26	1	3	2
27	1	3	2
28	3	2	1
29	2	1	3
30	1	2	3

Var 8

Rsp	Toko		
	Br	Ab	Um
1	2	3	1
2	3	2	1
3	3	1	2
4	3	1	2
5	1	2	3
6	2	1	3
7	3	2	1
8	3	2	1
9	3	2	1
10	2	3	1
11	2	1	3
12	1	3	2
13	2	3	1
14	2	1	3
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17	3	2	1
18	2	1	3
19	1	3	2
20	1	2	3
21	2	1	3
22	1	3	2
23	1	3	1
24	1	2	3
25	3	1	2
26	1	3	2
27	1	2	3
28	2	1	3
29	1	3	2
30	1	3	1

Var 9

Rsp	Toko		
	Br	Ab	Um
1	3	2	1
2	2	3	1
3	2	1	3
4	1	3	2
5	2	3	1
6	2	1	3
7	3	2	1
8	2	3	1
9	3	2	1
10	2	1	3
11	2	3	1
12	3	2	1
13	3	1	2
14	3	1	2
15	1	2	3
16	2	1	3
17	3	2	1
18	3	2	1
19	3	2	1
20	2	3	1
21	2	1	3
22	1	3	2
23	2	3	1
24	2	1	3
25	3	2	1
26	2	3	1
27	3	2	1
28	2	1	3
29	2	3	1
30	3	2	1

Var 10

Rsp	Toko		
	Br	Ab	Um
1	2	1	3
2	2	3	1
3	1	3	2
4	3	1	2
5	1	3	2
6	3	2	1
7	2	1	3
8	1	2	3
9	3	2	1
10	2	1	3
11	1	2	3
12	2	1	3
13	1	2	3
14	3	2	1
15	2	1	3
16	1	2	3
17	3	2	1
18	2	1	3
19	2	1	3
20	2	1	3
21	2	3	1
22	1	3	2
23	3	1	2
24	1	3	2
25	3	2	1
26	1	2	3
27	1	2	3
28	2	1	3
29	2	1	3
30	2	1	3

Var 11

Rsp	Toko		
	Br	Ab	Um
1	3	2	1
2	2	3	1
3	2	1	3
4	2	1	3
5	2	3	1
6	3	2	1
7	1	2	3
8	2	3	1
9	2	1	3
10	2	1	3
11	1	3	2
12	1	3	2
13	2	3	1
14	2	1	3
15	2	1	3
16	1	3	2
17	3	2	1
18	2	3	1
19	1	2	3
20	2	3	1
21	2	1	3
22	2	3	1
23	2	1	3
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25	2	3	1
26	1	2	3
27	2	3	1
28	2	1	3
29	1	3	2
30	3	2	1

Var 12

Rsp	Toko		
	Br	Ab	Um
1	2	1	3
2	3	1	2
3	2	1	3
4	3	2	1
5	2	3	1
6	3	2	1
7	2	1	3
8	2	1	3
9	2	1	3
10	2	3	1
11	2	3	1
12	2	1	3
13	2	1	3
14	3	1	2
15	2	1	3
16	3	2	1
17	2	3	1
18	3	2	1
19	2	1	3
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21	2	1	3
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23	2	3	1
24	2	1	3
25	2	3	1
26	3	2	1
27	2	1	3
28	1	2	3
29	3	2	1
30	2	1	3

31	3	1	2
32	1	3	2
33	2	3	1
34	2	1	3
35	1	3	2
36	1	3	1
37	1	2	3
38	3	2	1
39	3	2	1
40	1	3	1
41	3	2	1
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43	1	2	3
44	3	1	2
45	1	3	2
46	2	3	1
47	2	1	3
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53	1	3	1
54	1	2	3
55	3	1	2
56	1	3	2
57	1	2	3
58	2	1	3
59	1	3	2
60	3	2	1

31	1	2	3
32	3	2	1
33	3	2	1
34	1	3	1
35	1	2	3
36	3	2	1
37	2	1	3
38	3	1	2
39	1	2	3
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53	2	3	1
54	2	1	3
55	2	3	1
56	3	2	1
57	3	1	2
58	3	1	2
59	1	2	3
60	2	1	3

31	3	1	2
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33	1	2	3
34	2	1	3
35	3	2	1
36	3	2	1
37	3	2	1
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39	1	2	3
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55	2	1	3
56	2	3	1
57	3	2	1
58	3	1	2
59	3	1	2
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33	3	2	1
34	2	1	3
35	1	2	3
36	3	2	1
37	2	1	3
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54	3	2	1
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57	2	1	3
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36	2	3	1
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88	2	3	1
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90	1	2	3

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115	3	2	1
116	3	2	1
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119	3	1	2
120	1	3	2

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93	3	1	2
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96	3	2	1
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116	3	1	2
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119	1	2	3
120	3	1	2

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93	3	2	1
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120	2	3	1

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119	2	3	1
120	1	3	2

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93	2	1	3
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113	2	1	3
114	2	3	1
115	1	2	3
116	1	2	3
117	2	1	3
118	2	1	3
119	2	1	3
120	2	3	1

91	2	1	3
92	1	2	3
93	3	2	1
94	2	1	3
95	3	2	1
96	2	3	1
97	3	2	1
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99	2	1	3
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108	3	1	2
109	2	1	3
110	3	1	2
111	2	1	3
112	3	2	1
113	2	3	1
114	3	2	1
115	2	1	3
116	2	1	3
117	2	1	3
118	2	3	1
119	2	3	1
120	2	1	3

Var 13

Rsp	Toko		
	Br	Ab	Um
1	3	2	1
2	3	1	2
3	3	1	2
4	1	2	3
5	2	1	3
6	3	2	1
7	3	2	1
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18	3	1	2
19	3	1	2
20	1	2	3
21	2	1	3
22	3	2	1
23	3	2	1
24	3	2	1
25	2	3	1
26	2	1	3
27	1	3	2
28	2	3	1
29	2	1	3
30	3	2	1

Var 14

Rsp	Toko		
	Br	Ab	Um
1	3	2	1
2	2	1	3
3	3	1	2
4	1	2	3
5	3	2	1
6	1	2	3
7	3	1	2
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18	1	3	2
19	1	3	2
20	1	3	2
21	3	2	1
22	2	1	3
23	3	1	2
24	1	2	3
25	3	2	1
26	1	2	3
27	3	1	2
28	2	3	1
29	2	1	3
30	3	2	1

Var 15

Rsp	Toko		
	Br	Ab	Um
1	1	3	2
2	1	3	2
3	1	3	2
4	1	3	2
5	3	2	1
6	1	3	2
7	2	3	1
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25	1	3	2
26	1	3	2
27	1	3	2
28	2	1	3
29	2	3	1
30	1	3	2

Var 16

Rsp	Toko		
	Br	Ab	Um
1	3	1	2
2	1	3	2
3	3	2	1
4	1	2	3
5	2	3	1
6	2	1	3
7	2	1	3
8	2	1	3
9	2	3	1
10	2	3	1
11	1	2	3
12	3	1	2
13	3	1	2
14	1	2	3
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19	1	3	2
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25	3	1	2
26	2	3	1
27	2	1	3
28	3	2	1
29	2	3	1
30	3	1	2

Var 17

Rsp	Toko		
	Br	Ab	Um
1	2	1	3
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3	2	1	3
4	2	3	1
5	3	1	2
6	1	2	3
7	3	2	1
8	2	1	3
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11	3	2	1
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26	2	1	3
27	2	3	1
28	2	3	1
29	2	1	3
30	2	3	1

Var 18

Rsp	Toko		
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116	1	3	2
117	1	3	2
118	1	3	2
119	1	3	2
120	1	2	3

Var 19

Rsp	Toko		
	Br	Ab	Um
1	2	3	1
2	3	2	1
3	1	2	3
4	1	3	2
5	3	2	1
6	3	1	2
7	2	3	1
8	2	3	1
9	3	2	1
10	3	1	2
11	3	1	2
12	1	2	3
13	2	1	3
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18	1	3	2
19	3	1	2
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21	2	3	1
22	3	2	1
23	3	1	2
24	2	3	1
25	1	2	3
26	2	1	3
27	3	2	1
28	3	2	1
29	2	1	3
30	1	2	3

Var 20

Rsp	Toko		
	Br	Ab	Um
1	3	1	2
2	1	3	2
3	3	1	2
4	1	3	2
5	1	3	1
6	1	2	3
7	3	1	2
8	1	3	2
9	1	2	3
10	2	1	3
11	1	3	2
12	1	3	1
13	1	2	3
14	3	2	1
15	3	2	1
16	1	3	1
17	2	1	3
18	3	1	2
19	1	3	2
20	3	1	2
21	3	1	2
22	3	1	2
23	1	3	2
24	1	3	1
25	1	2	3
26	3	1	2
27	1	3	2
28	1	2	3
29	2	1	3
30	1	3	2

Var 21

Rsp	Toko		
	Br	Ab	Um
1	2	3	1
2	2	1	3
3	3	2	1
4	1	3	1
5	2	1	3
6	3	1	2
7	1	3	2
8	3	1	2
9	3	1	2
10	3	1	2
11	1	3	2
12	1	3	1
13	1	2	3
14	3	1	2
15	1	3	2
16	1	2	3
17	2	1	3
18	1	3	2
19	1	3	1
20	1	2	3
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26	1	3	1
27	2	1	3
28	3	1	2
29	1	3	2
30	3	1	2

Var 22

Rsp	Toko		
	Br	Ab	Um
1	3	1	2
2	3	1	2
3	3	1	2
4	1	3	2
5	1	3	1
6	1	2	3
7	3	1	2
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13	1	2	3
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17	2	1	3
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26	3	1	2
27	1	3	2
28	1	3	1
29	1	2	3
30	3	1	2

Var 23

Rsp	Toko		
	Br	Ab	Um
1	2	1	3
2	2	1	3
3	2	1	3
4	2	3	1
5	2	1	3
6	2	1	3
7	2	1	3
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23	1	3	1
24	1	2	3
25	3	2	1
26	3	2	1
27	1	2	3
28	2	1	3
29	3	2	1
30	1	3	1

31	2	1	3
32	2	3	1
33	2	1	3
34	2	3	1
35	2	3	1
36	2	1	3
37	3	2	1
38	2	3	1
39	3	1	2
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53	3	2	1
54	2	1	3
55	3	1	2
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57	3	2	1
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59	3	1	2
60	2	3	1

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33	3	2	1
34	3	2	1
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36	2	1	3
37	2	3	1
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39	3	2	1
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59	1	3	1
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37	1	3	2
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39	2	1	3
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34	3	1	2
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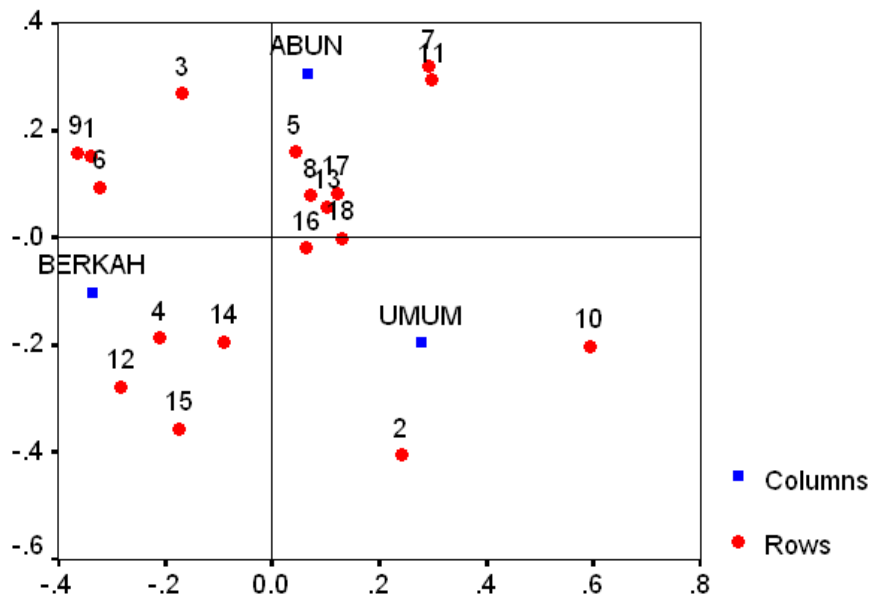
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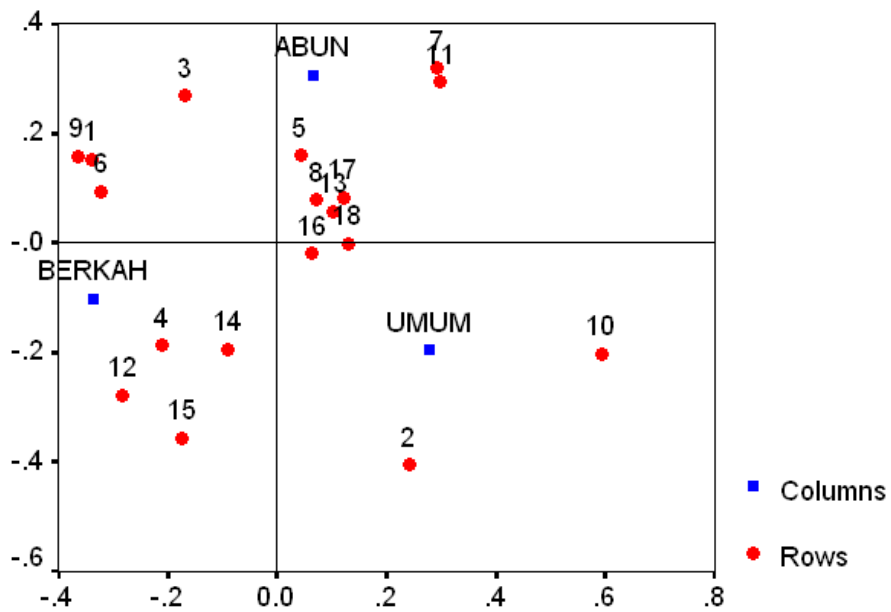
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Row and Column Scores



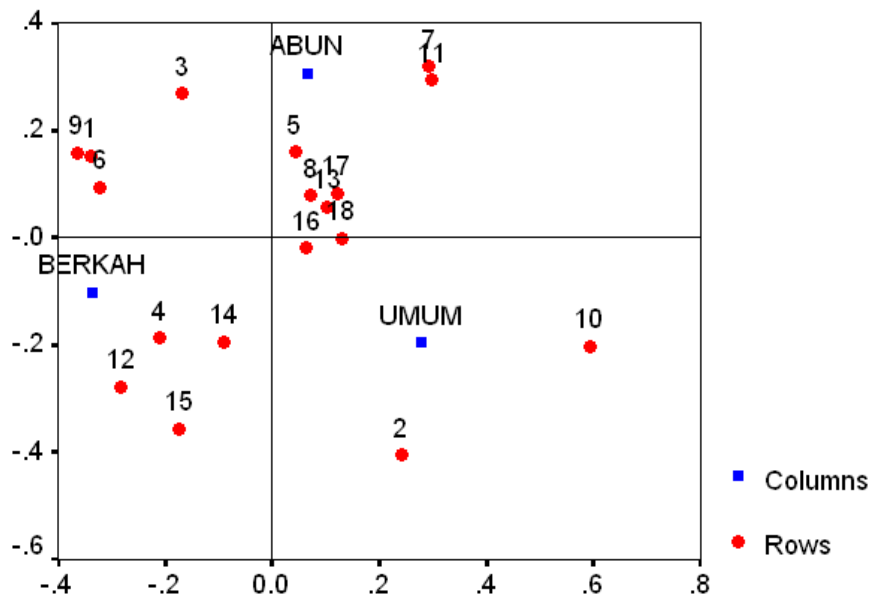
Gambar Peta Posisi Variabel 1

Row and Column Scores



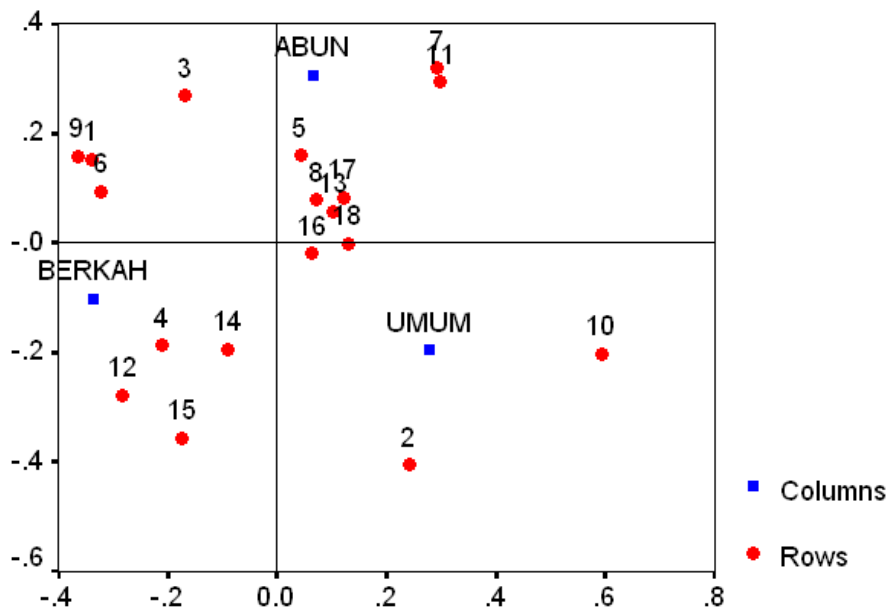
Gambar Peta Posisi Variabel 2

Row and Column Scores



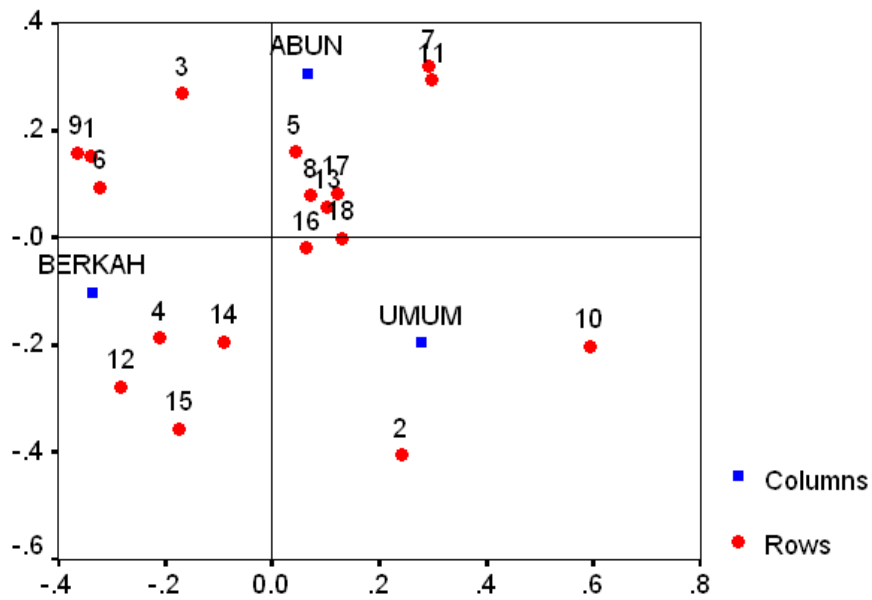
Gambar Peta Posisi Variabel 3

Row and Column Scores



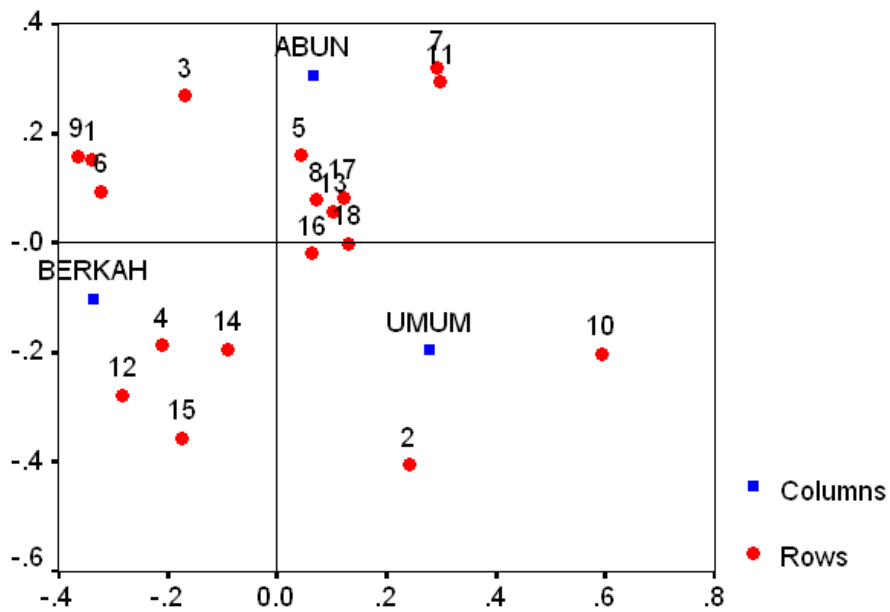
Gambar Peta Posisi Variabel 4

Row and Column Scores



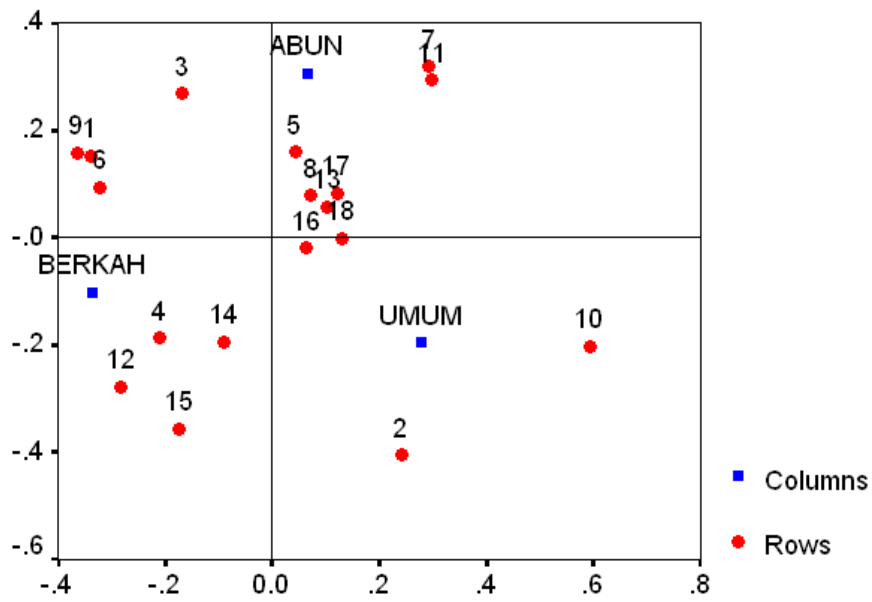
Gambar Peta Posisi Variabel 5

Row and Column Scores



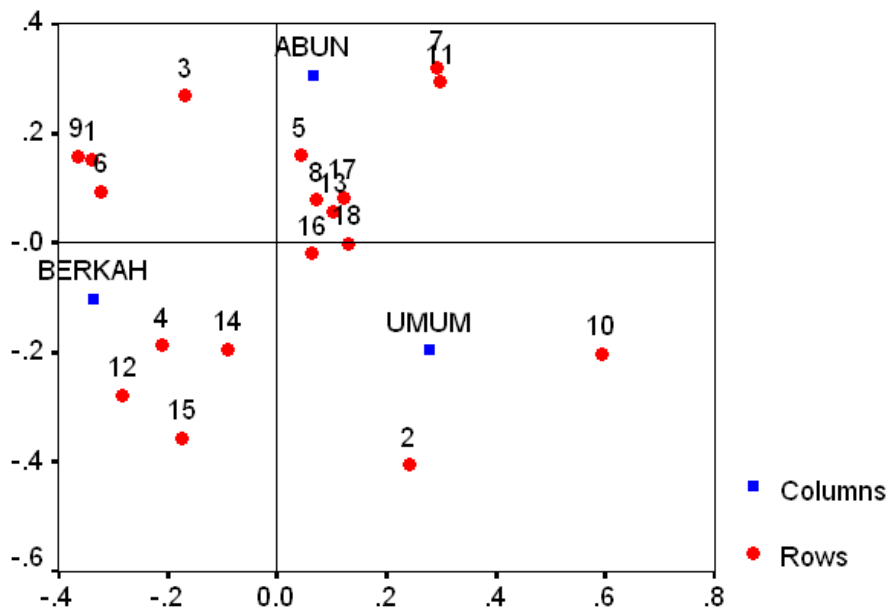
Gambar Peta Posisi Variabel 6

Row and Column Scores



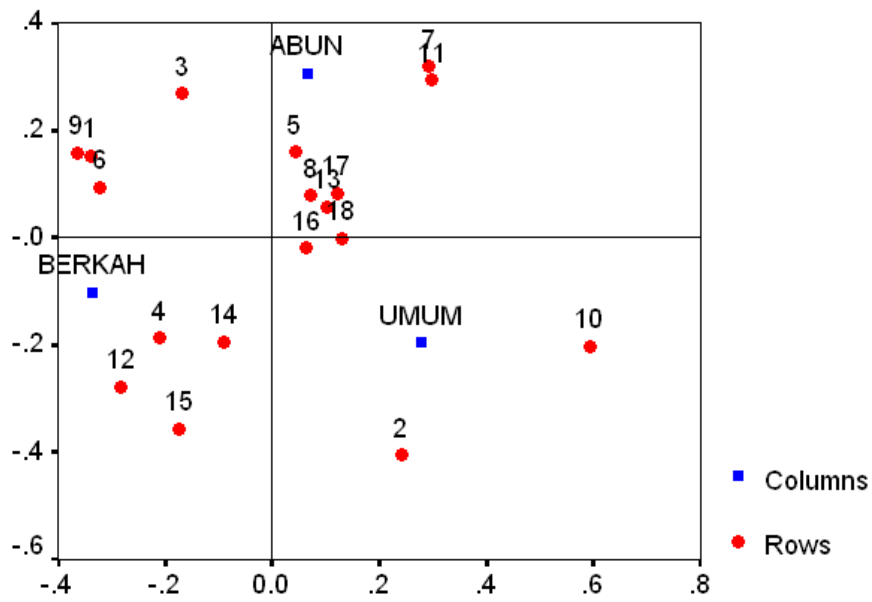
Gambar Peta Posisi Variabel 7

Row and Column Scores



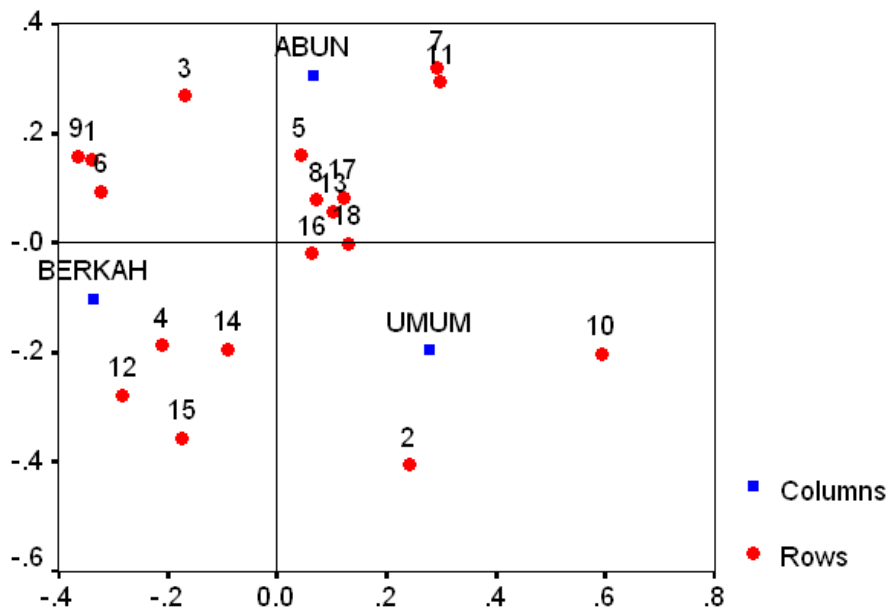
Gambar Peta Posisi Variabel 8

Row and Column Scores



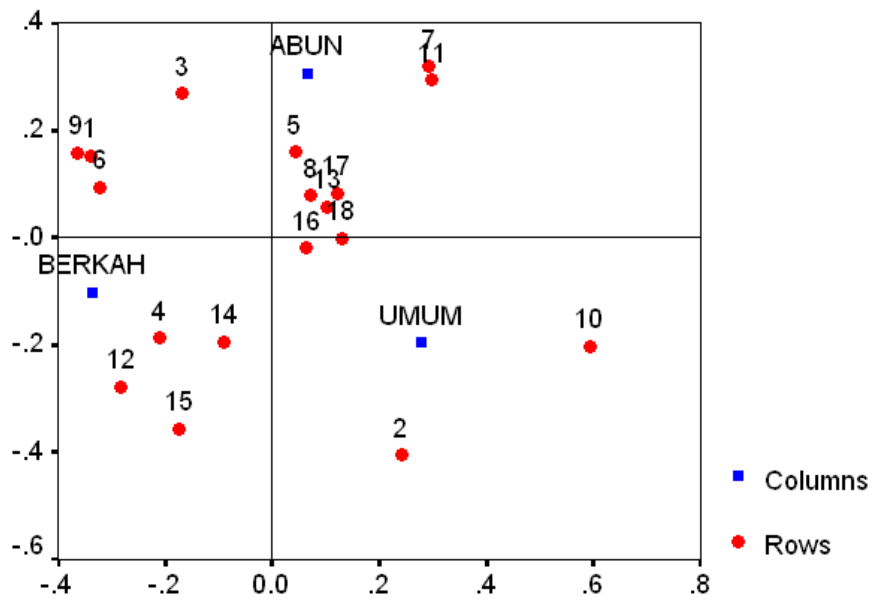
Gambar Peta Posisi Variabel 9

Row and Column Scores



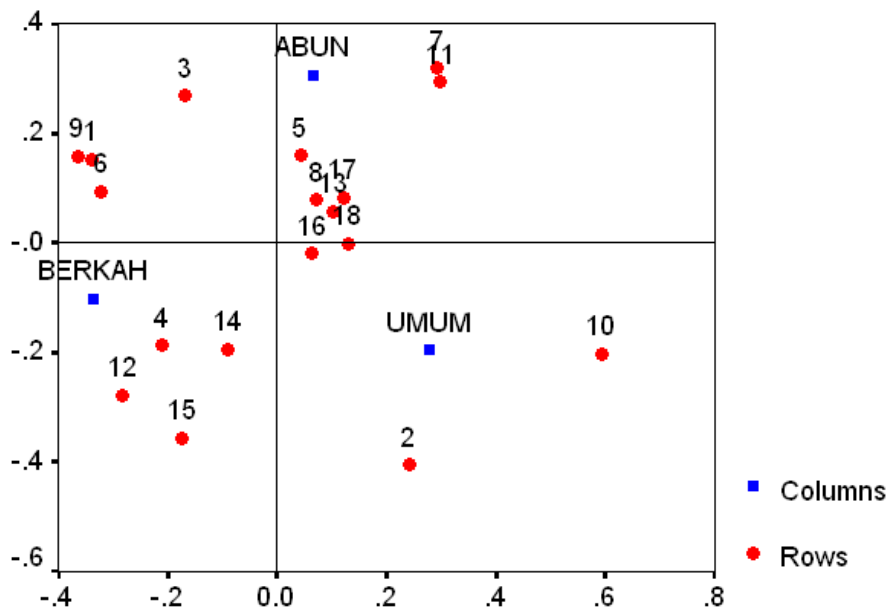
Gambar Peta Posisi Variabel 10

Row and Column Scores



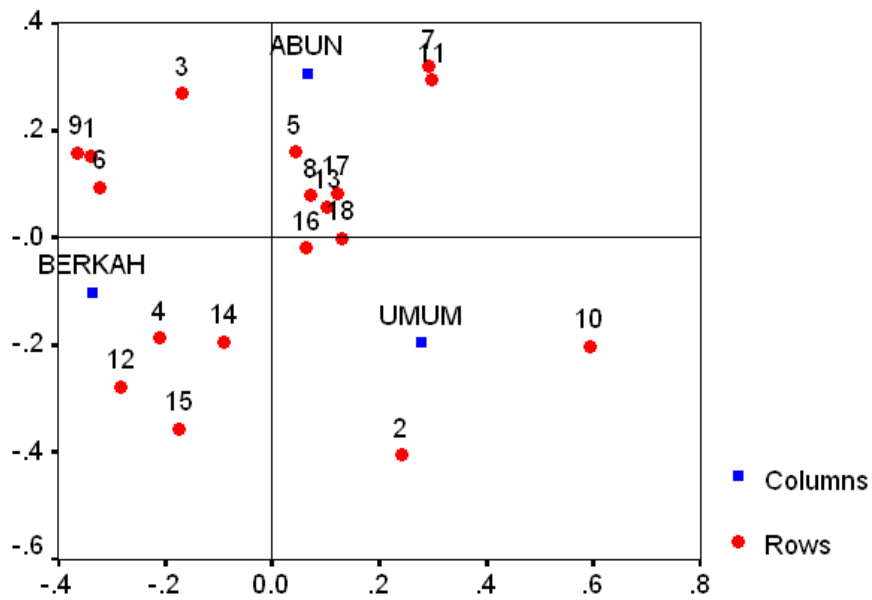
Gambar Peta Posisi Variabel 11

Row and Column Scores



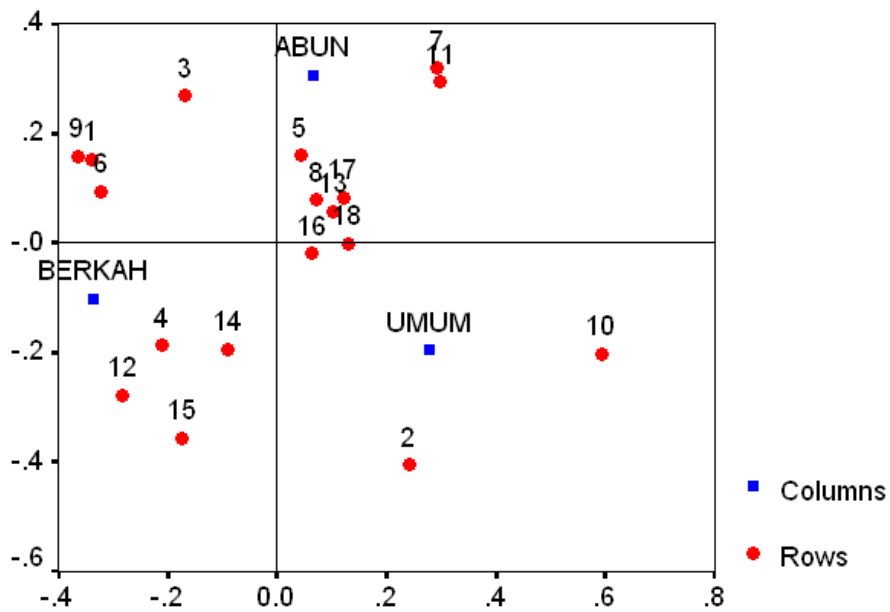
Gambar Peta Posisi Variabel 12

Row and Column Scores



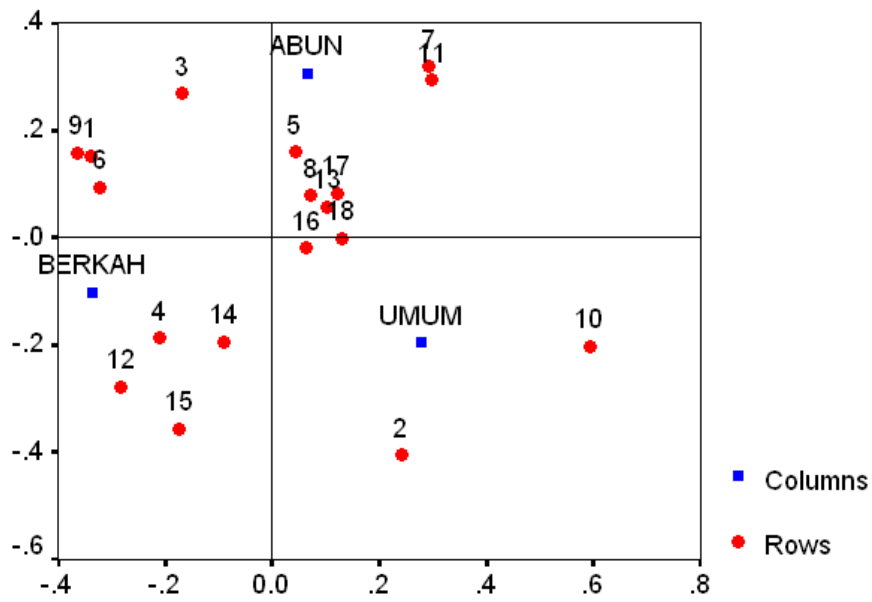
Gambar Peta Posisi Variabel 13

Row and Column Scores



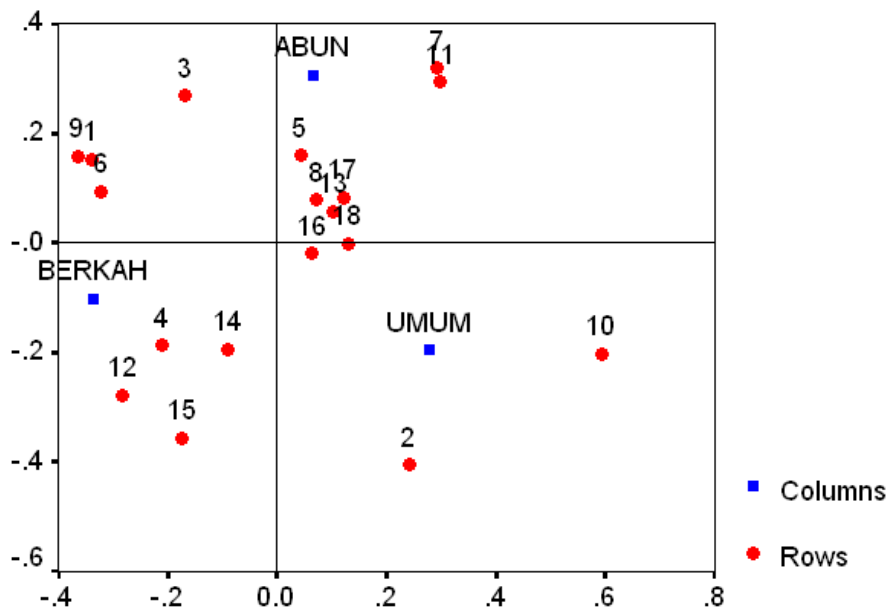
Gambar Peta Posisi Variabel 14

Row and Column Scores



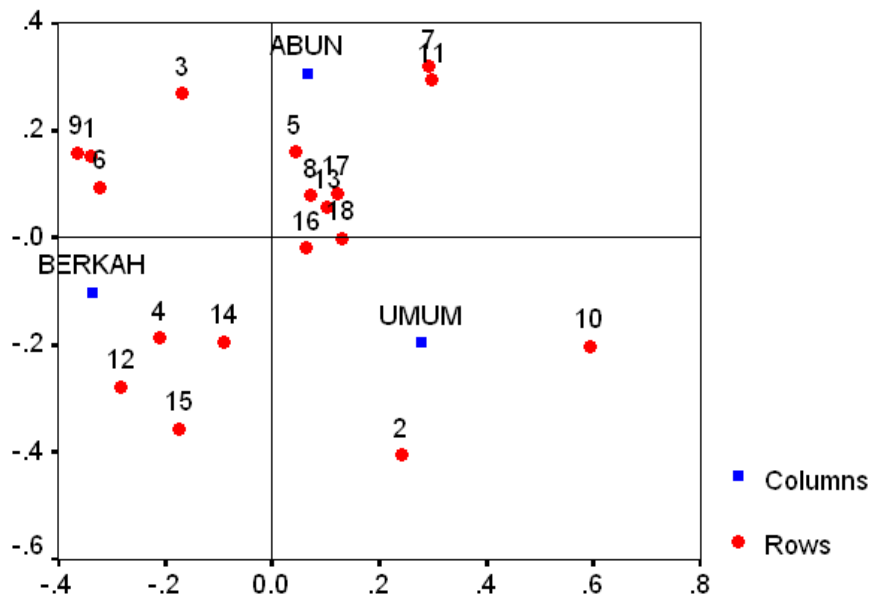
Gambar Peta Posisi Variabel 15

Row and Column Scores



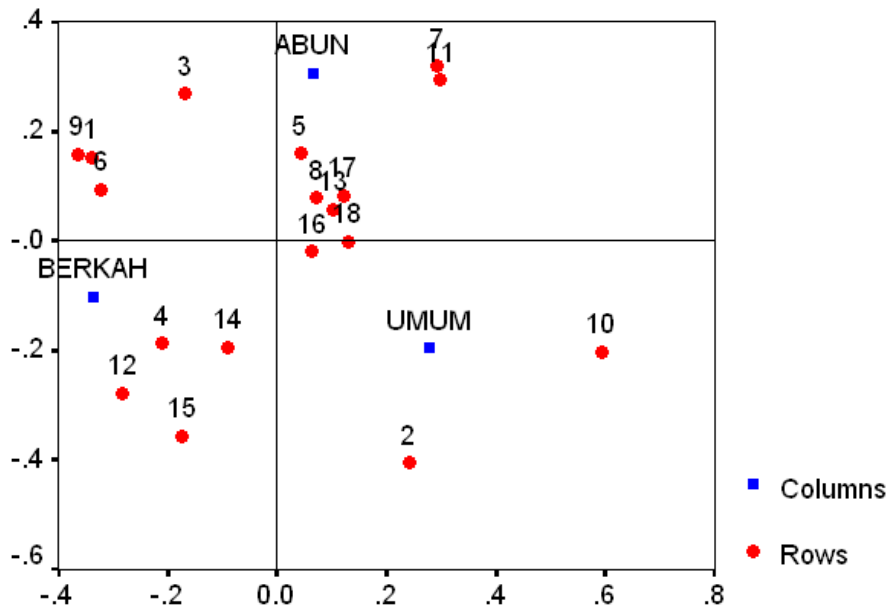
Gambar Peta Posisi Variabel 16

Row and Column Scores



Gambar Peta Posisi Variabel 17

Row and Column Scores



Gambar Peta Posisi Variabel 18

LAMPIRAN 8
DATA PENGOLAHAN
COCHRAN Q TEST

No.	Variabel																													R _i	R _i ²	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			
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2	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	0	0	1	1	1	24	576	
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4	0	0	1	0	1	1	1	0	1	1	0	1	0	1	0	1	0	1	1	1	1	1	1	1	0	1	1	0	0	18	324	
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6	0	1	0	0	1	0	1	0	1	0	1	1	1	1	0	0	1	0	1	1	1	0	0	1	1	1	1	1	1	18	324	
7	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	0	1	1	0	0	1	0	1	0	21	441	
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11	0	1	0	0	0	1	0	1	1	1	1	1	1	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	1	16	256	
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13	1	0	0	1	1	1	1	0	1	1	0	1	0	1	1	1	0	1	0	1	1	1	1	1	1	0	1	1	0	20	400	
14	0	1	1	1	1	1	0	1	1	0	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	22	484
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16	0	1	1	1	1	0	1	1	1	1	1	0	1	0	1	1	0	1	1	0	0	1	1	1	1	1	0	1	1	21	441	
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18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	28	784	
19	0	0	0	1	0	1	0	0	1	1	0	1	1	1	0	1	0	1	1	1	1	1	1	0	1	1	0	0	0	16	256	
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26	0	1	0	0	1	1	1	0	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	21	441	
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C _i	11	24	12	23	23	23	24	12	30	22	24	24	24	22	12	22	12	13	30	22	23	23	21	20	22	22	21	20	20	601	12295	
C _i ²	121	576	144	529	529	529	576	144	900	484	576	576	576	484	144	484	144	169	900	484	529	529	441	400	484	484	441	400	400	13177		

No.	Variabel																													R _i	R _i ²
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			
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2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	0	0	1	1	1	23	529	
3	1	0	1	1	1	1	0	1	0	1	0	1	1	0	1	0	0	1	0	1	1	0	1	1	1	1	1	1	19	361	
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5	1	0	1	0	1	0	1	1	1	1	1	1	0	0	1	1	0	1	0	1	1	0	0	1	0	1	1	1	18	324	
6	1	0	0	1	0	1	0	1	0	1	1	1	1	0	0	1	0	1	1	1	0	0	1	1	1	1	1	1	18	324	
7	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	0	1	1	0	0	1	0	1	0	21	441	
8	0	0	1	0	1	0	0	1	0	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	20	400	
9	1	0	1	1	0	1	1	1	1	0	1	1	1	0	1	0	1	1	0	1	1	0	0	1	0	1	1	1	19	361	
10	1	1	1	1	1	1	0	1	1	1	0	0	1	1	1	1	0	1	1	0	0	1	1	1	1	0	1	1	21	441	
11	1	0	0	0	1	0	1	1	1	1	1	1	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	1	16	256	
12	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	1	1	1	1	0	0	1	1	0	1	0	20	400	
13	0	0	1	1	1	1	0	1	1	0	1	0	1	1	1	1	0	1	0	1	1	1	1	1	0	1	1	0	19	361	
14	1	1	1	1	1	0	1	1	0	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	0	1	22	484	
15	1	0	1	0	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	0	0	0	0	0	1	1	0	17	289
16	1	1	1	1	0	1	1	1	1	1	0	1	0	1	1	0	1	0	0	1	1	1	1	1	1	0	1	1	21	441	
17	1	0	0	1	1	1	0	1	0	1	1	0	1	0	0	0	0	1	1	1	0	1	1	1	1	1	0	1	17	289	
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	27	729	
19	0	0	1	0	1	0	0	1	1	0	1	1	1	0	1	0	1	1	1	1	1	1	0	1	1	0	0	0	16	256	
20	1	0	0	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	0	1	1	1	1	1	1	1	0	0	19	361	
21	1	0	1	1	0	1	1	1	0	1	1	0	0	1	0	1	1	1	0	1	1	0	0	0	0	1	1	1	17	289	
22	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	1	1	0	1	1	1	1	1	0	0	21	441	
23	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	25	625	
24	0	1	0	0	1	0	0	1	0	1	0	0	1	1	0	0	1	1	1	1	1	0	1	1	0	1	0	0	14	196	
25	1	1	1	1	0	1	0	1	1	1	1	1	1	0	1	0	0	1	1	0	1	1	0	1	1	0	1	1	20	400	
26	1	0	0	1	1	1	0	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	21	441	
27	0	0	1	1	1	1	1	1	0	1	0	1	0	0	0	0	1	1	0	0	1	0	0	1	1	0	1	1	15	225	
28	1	1	1	1	0	1	0	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1	1	0	1	1	0	0	20	400	
29	1	0	1	0	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	0	1	1	0	1	21	441	
30	1	0	1	1	1	1	0	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	23	529	
C _i	24	12	23	23	23	24	12	30	22	24	24	24	24	22	12	22	12	13	30	22	23	23	21	20	22	22	21	20	590	11842	
C _i ²	576	144	529	529	529	576	144	900	484	576	576	576	484	144	484	144	169	900	484	529	529	441	400	484	484	441	400	400	13056		

No.	Variabel																				R _i	R _i ²				
	2	4	5	6	7	9	10	11	12	13	14	16	18	19	20	21	22	23	24	25			26	27	28	29
1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	1	21	441
2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	20	400
3	1	1	1	1	1	1	0	1	0	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	19	361
4	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	0	17	289
5	1	1	0	1	0	1	1	1	1	1	0	1	0	1	0	1	1	0	0	1	0	1	1	1	16	256
6	1	0	1	0	1	1	0	1	1	1	1	0	0	1	1	1	0	0	1	1	1	1	1	1	17	289
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	0	1	0	19	361
8	0	1	0	1	0	1	0	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	18	324
9	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	1	1	0	0	1	0	1	1	1	18	324
10	1	1	1	1	1	1	1	1	0	0	1	1	0	1	1	0	0	1	1	1	1	0	1	1	18	324
11	1	0	0	1	0	1	1	1	1	1	0	1	0	1	1	0	1	1	1	0	0	1	0	1	15	225
12	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	1	0	0	1	1	0	1	0	17	289
13	0	1	1	1	1	1	1	0	1	0	1	1	0	1	0	1	1	1	1	1	1	0	1	1	17	289
14	1	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	20	400
15	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	1	1	0	16	256
16	1	1	1	0	1	1	1	1	0	1	0	1	1	1	0	0	1	1	1	1	1	0	1	1	18	324
17	1	0	1	1	1	1	0	1	1	0	1	0	0	1	1	1	0	1	1	1	1	1	0	1	17	289
18	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	23	529
19	0	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	16	256
20	1	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	0	1	19	361
21	1	1	1	0	1	1	0	1	1	0	0	0	1	1	0	1	1	0	0	0	0	0	1	1	14	196
22	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	0	0	20	400
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	23	529
24	0	0	0	1	0	1	0	1	0	0	1	0	1	1	1	1	1	0	1	1	0	1	0	0	12	144
25	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	1	0	1	1	19	361
26	1	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	19	361
27	0	1	1	1	1	1	0	1	0	1	0	0	1	1	0	0	1	0	0	1	1	0	1	1	14	196
28	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	0	1	1	0	1	1	0	0	0	18	324
29	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	0	1	1	20	400
30	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	22	484
C _i	24	23	23	23	24	30	22	24	24	24	22	22	13	30	22	23	23	21	20	22	22	21	20	20	542	9982
C _i ²	576	529	529	529	576	900	484	576	576	576	484	484	169	900	484	529	529	441	400	484	484	441	400	400	12480	

No.	Variabel																				R _i	R _i ²			
	2	4	5	6	7	9	10	11	12	13	14	16	19	20	21	22	23	24	25	26			27	28	29
1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	21	441
2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	0	1	1	19	361
3	1	1	1	1	1	1	0	1	0	1	1	1	1	0	1	1	0	1	1	1	1	1	1	19	361
4	0	0	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	0	1	1	0	0	16	256
5	1	1	0	1	0	1	1	1	1	1	1	0	1	1	0	1	1	0	0	1	0	1	1	16	256
6	1	0	1	0	1	1	0	1	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	17	289
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	0	1	0	18	324
8	0	1	0	1	0	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	18	324
9	1	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	0	0	1	0	1	1	1	17	289
10	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	0	1	1	1	1	0	1	1	18	324
11	1	0	0	1	0	1	1	1	1	1	0	1	1	1	0	1	1	1	0	0	1	0	1	15	225
12	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	0	0	1	1	0	1	0	17	289
13	0	1	1	1	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	0	1	1	0	17	289
14	1	1	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	19	361
15	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0	16	256
16	1	1	1	0	1	1	1	1	0	1	0	1	1	0	0	1	1	1	1	1	0	1	1	17	289
17	1	0	1	1	1	1	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	0	1	17	289
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	23	529
19	0	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	15	225
20	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	19	361
21	1	1	1	0	1	1	0	1	1	0	0	0	1	0	1	1	0	0	0	0	0	1	1	13	169
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	20	400
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	22	484
24	0	0	0	1	0	1	0	1	0	0	1	0	1	1	1	1	0	1	1	0	1	0	0	11	121
25	1	1	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	1	19	361
26	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	19	361
27	0	1	1	1	1	1	0	1	0	1	0	0	1	0	0	1	0	0	1	1	0	1	1	13	169
28	1	1	1	0	1	1	1	1	1	1	0	1	1	1	0	1	1	0	1	1	0	0	0	17	289
29	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	20	400
30	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	21	441
C _i	24	23	23	23	24	30	22	24	24	24	22	22	30	22	23	23	21	20	22	22	21	20	20	529	9533
C _i ²	576	529	529	529	576	900	484	576	576	576	484	484	900	484	529	529	441	400	484	484	441	400	400	12311	

LAMPIRAN 9

PETA POSISI

LAMPIRAN 10

TABEL *CHI-SQUARE*