

## BAB VI

### KESIMPULAN DAN SARAN

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#### 6.1. KESIMPULAN.

Berdasarkan hasil pembahasan pada bab-bab sebelumnya maka diperoleh beberapa kesimpulan sebagai berikut.

1. Dari 43 item yang dianggap mempengaruhi semangat kerja karyawan, diketahui hanya 30 item yang dianggap valid untuk digunakan sedangkan 13 variabel awal dianggap tidak valid.
2. Dengan menggunakan analisa faktor diketahui bahwa ke 30 item ini dapat direduksi menjadi 9 variabel laten (disebut dengan faktor), yang dapat menerangkan 69,296 % dari variabilitas seluruh variabel.
3. Dengan menggunakan analisa faktor juga diketahui bahwa dari 9 faktor yang terbentuk, faktor-faktor yang dominan adalah :
  - ◇ Atasan mau dan dapat membantu jika diperlukan
  - ◇ Temperatur ruangan kerja
  - ◇ Terdapat kelompok kerja yang melakukan pekerjaan yang sama
  - ◇ Terdapat alat kerja yang sesuai dengan standar kerja
  - ◇ Terdapat gaji yang diterima secara tetap perbulan
  - ◇ Prestise
  - ◇ Kesempatan mendapat program pelatihan
  - ◇ Penghargaan dari pihak manajemen
  - ◇ Kepercayaan dari atasan kerja

4. Dari 9 faktor dominan tersebut, ada 4 faktor yang mempunyai hubungan linier dengan semangat kerja karyawan, yaitu :
- ◊ Terdapat gaji yang diterima secara tetap perbulan
  - ◊ Prestise
  - ◊ Kesempatan mendapat program pelatihan
  - ◊ Penghargaan dari pihak manajemen
5. Model hubungan linier yang terbentuk antara ke 4 faktor tersebut dengan semangat kerja karyawan adalah :

$$Y' = 18,731 + 3,777 F5 + 2,797 F6 + 2,747 F7 + 1,322 F8$$

Dari model persamaan tersebut diketahui bahwa hubungan yang terjadi adalah hubungan yang positif.

6. Model hubungan linier yang terbentuk menghasilkan nilai koefisien korelasi sebesar 0,755 dan nilai koefisien determinasi sebesar 0,570.

## 6.2. SARAN-SARAN.

Berdasarkan hasil penelitian yang diperoleh maka perlu dikemukakan beberapa saran sebagai berikut :

1. Perusahaan perlu menetapkan kebijakan penggajian yang lebih baik, transparan, dan mudah dipahami oleh karyawan, karena upah dapat meningkatkan semangat kerja karyawan,
2. Perusahaan perlu menetapkan kebijakan yang dapat meningkatkan citra perusahaan karena citra dapat meningkatkan semangat kerja karyawan,

3. Perusahaan perlu menetapkan kebijakan program pelatihan yang terarah dan tepat guna karena program pelatihan dapat meningkatkan semangat kerja karyawan,
4. Perusahaan perlu lebih memberikan penghargaan kepada karyawan karena penghargaan pihak manajemen dapat meningkatkan semangat kerja karyawan.

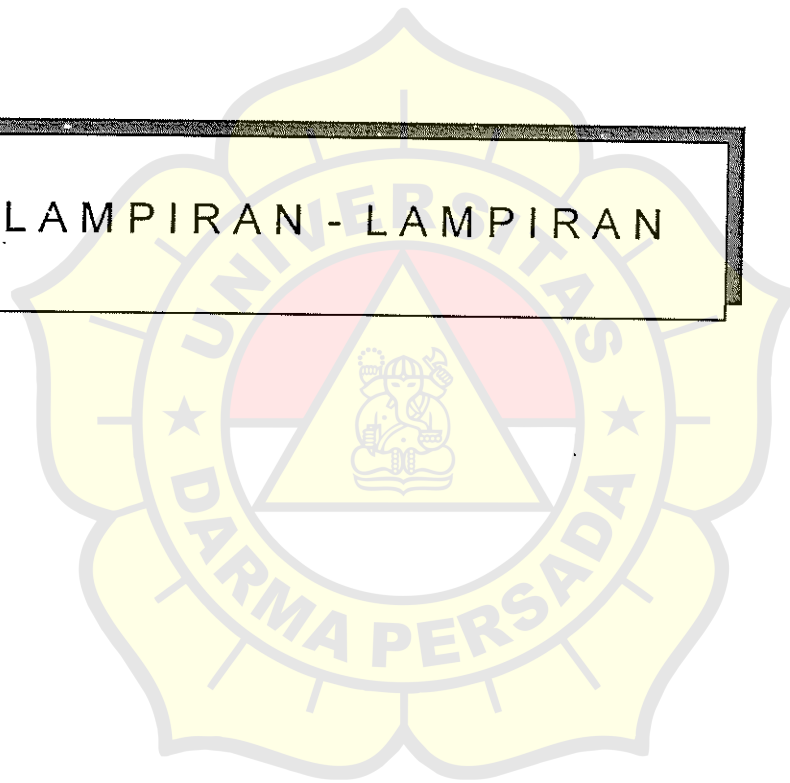


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LAMPIRAN - LAMPIRAN



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Lampiran 1  
Rancangan Kuesioner Penelitian

UNIVERSITAS DARMA PERSADA  
FAKULTAS TEKNIK  
JURUSAN TEKNIK INDUSTRI

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Jakarta, Maret 2000

Kepada Ykh :

Bapak / Ibu Responden

Kami menyadari bahwa waktu anda terbatas dan berharga. Meskipun demikian kami meminta kesediaan Anda untuk membantu penelitian ini dengan mengisi kuesioner ini

Tujuan dari penelitian ini adalah hanya untuk keperluan menyusun tugas akhir (skripsi) sarjana dan tidak digunakan untuk hal-hal lain. Untuk itu kami minta Anda mengisi dengan benar.

Atas bantuan dan kerja sama Anda dalam penelitian ini kami ucapkan terima kasih.

Hormat kami

Peneliti

## KUESIONER BAGIAN 1

Pada bagian ini Anda diminta untuk menjawab pertanyaan dengan memberikan tanda silang [ X ] pada jawaban yang telah tersedia. Sebagai pedoman adalah :

- SS : Sangat setuju  
 S : Setuju  
 AS : Agak setuju  
 ATS : Agak tidak setuju  
 TS : Tidak setuju  
 STS : Sangat tidak setuju

- |  |     |    |     |    |   |    |
|--|-----|----|-----|----|---|----|
| 1. Suatu pekerjaan harus diselesaikan dengan seluruh kemampuan yang dimiliki oleh karyawan | STS | TS | ATS | AS | S | SS |
| 2. Suatu pekerjaan harus diselesaikan dengan sungguh-sungguh                               | STS | TS | ATS | AS | S | SS |
| 3. Karyawan harus membina kerja sama dan saling bantu rekan kerja                          | STS | TS | ATS | AS | S | SS |
| 4. Karyawan harus bertanggung jawab atas tugas-tugas yang harus dikerjakan                 | STS | TS | ATS | AS | S | SS |
| 5. Karyawan harus berusaha mencari cara baru untuk menyelesaikan pekerjaan                 | STS | TS | ATS | AS | S | SS |
| 6. Karyawan harus melakukan inisiatif untuk melakukan suatu pekerjaan                      | STS | TS | ATS | AS | S | SS |
| 7. Karyawan harus berusaha menyelesaikan suatu masalah sampai tuntas                       | STS | TS | ATS | AS | S | SS |
| 8. Karyawan bersedia melakukan pekerjaan melebihi apa yang telah ditetapkan atasan         | STS | TS | ATS | AS | S | SS |
| 9. Karyawan harus berusaha mempelajari ketrampilan yang baru                               | STS | TS | ATS | AS | S | SS |
| 10. Karyawan harus menyusun target kerja yang cukup tinggi tapi realistis                  | STS | TS | ATS | AS | S | SS |
| 11. Karyawan harus berusaha untuk dapat bekerja sama dalam kelompok kerja                  | STS | TS | ATS | AS | S | SS |
| 12. Karyawan harus berusaha untuk mendapat kesempatan untuk memimpin                       | STS | TS | ATS | AS | S | SS |
| 13. Karyawan harus bersedia mengambil resiko yang telah diperhitungkan                     | STS | TS | ATS | AS | S | SS |
| 14. Karyawan harus berusaha agar hasil kerjanya lebih baik dari orang lain                 | STS | TS | ATS | AS | S | SS |
| 15. Karyawan harus berusaha untuk memperbaiki cara kerja yang lebih baik                   | STS | TS | ATS | AS | S | SS |
| 16. Karyawan harus mempunyai rasa tanggung jawab pribadi untuk membangun perusahaan        | STS | TS | ATS | AS | S | SS |



## KUESIONER BAGIAN 2

Berikut ini adalah beberapa pertanyaan tentang faktor-faktor yang menurut Anda dapat mempengaruhi semangat kerja karyawan. Anda diminta untuk menjawab pertanyaan dengan memberikan tanda silang [ X ] pada jawaban yang telah tersedia. Pedoman pengisian adalah :

- SS : Sangat setuju  
 S : Setuju  
 AS : Agak setuju  
 ATS : Agak tidak setuju  
 TS : Tidak setuju  
 STS : Sangat tidak setuju

- |   |  |     |    |     |    |   |    |
|---|--|-----|----|-----|----|---|----|
| A. Pengembangan karir terhadap karyawan |  |     |    |     |    |   |    |
| 1.                                      | Perusahaan memberikan kesempatan atau mempromosikan kenaikan jabatan sesuai prestasinya  | STS | TS | ATS | AS | S | SS |
| 2.                                      | Perusahaan memberikan kesempatan mengikuti program pelatihan untuk menambah wawasan      | STS | TS | ATS | AS | S | SS |
| 3.                                      | Perusahaan memberikan kesempatan untuk mengikuti program pendidikan lanjutan (S1,S2,S3). | STS | TS | ATS | AS | S | SS |
| 4.✓                                     | Perusahaan menetapkan program pelatihan sesuai dengan tugasnya.                          | STS | TS | ATS | AS | S | SS |
| 5.✓                                     | Perusahaan menetapkan program pendidikan dan latihan secara terjadwal                    | STS | TS | ATS | AS | S | SS |
| B. Dukungan atasan terhadap karyawan    |  |     |    |     |    |   |    |
| 6.                                      | Atasan kerja memberikan perhatian atas perkembangan pekerjaan                            | STS | TS | ATS | AS | S | SS |
| 7.                                      | Atasan kerja mau dan dapat membantu jika diperlukan                                      | STS | TS | ATS | AS | S | SS |
| 8.                                      | Atasan kerja mau mendengarkan pendapat dan saran   | STS | TS | ATS | AS | S | SS |
| 9.✓                                     | Atasan kerja memberikan pujian terhadap keberhasilan kerja                               | STS | TS | ATS | AS | S | SS |
| 10.✓                                    | Atasan kerja mampu berkomunikasi dan bekerja sama  | STS | TS | ATS | AS | S | SS |
| 11.                                     | Atasan kerja dapat menciptakan suasana kerja yang harmonis                               | STS | TS | ATS | AS | S | SS |
| 12.                                     | Atasan kerja memberikan kesempatan untuk mengembangkan karir                             | STS | TS | ATS | AS | S | SS |

C. Karakteristik pekerjaan							
13.	Terdapat standar yang jelas untuk menilai keberhasilan kerja	STS	TS	ATS	AS	S	SS
14.	Terdapat alat kerja yang sesuai dengan standar kerja	STS	TS	ATS	AS	S	SS
15.✓	Sifat pekerjaan memerlukan inovasi (tantangan) tersendiri	STS	TS	ATS	AS	S	SS
16.	Sifat pekerjaan memerlukan keahlian khusus	STS	TS	ATS	AS	S	SS
17.✓	Sifat pekerjaan tidak membosankan dalam jangka panjang	STS	TS	ATS	AS	S	SS
D. Prestise							
18.	Status menjadi karyawan perusahaan meningkatkan gengsi (harga diri) anda	STS	TS	ATS	AS	S	SS
19.	Jabatan (posisi) saat ini mempengaruhi gengsi anda	STS	TS	ATS	AS	S	SS
20.	Perusahaan meningkatkan citra yang baik pada masyarakat	STS	TS	ATS	AS	S	SS
E. Kondisi tempat kerja							
21.	Temperatur ruangan kerja penting mendapat perhatian	STS	TS	ATS	AS	S	SS
22.	Penerangan lampu yang digunakan ditempat kerja dapat mempengaruhi kerja	STS	TS	ATS	AS	S	SS
23.✓	Tempat kerja yang tenang (tidak bising) akan mempengaruhi kerja	STS	TS	ATS	AS	S	SS
24.	Tempat kerja yang enak (tidak berbau) akan mempengaruhi kerja	STS	TS	ATS	AS	S	SS
25.	Penataan peralatan kerja dapat memudahkan proses pekerjaan yang dilakukan	STS	TS	ATS	AS	S	SS
F. Disiplin kerja							
26.✓	Perusahaan menetapkan sanksi jika pekerjaan tidak dapat diselesaikan	STS	TS	ATS	AS	S	SS
27.	Perusahaan menetapkan waktu standar untuk kerja	STS	TS	ATS	AS	S	SS
28.	Perusahaan mengontrol absensi karyawan	STS	TS	ATS	AS	S	SS
G. Kelompok kerja							
29.	Terdapat kelompok kerja melakukan pekerjaan yang sama	STS	TS	ATS	AS	S	SS
30.	Terdapat kelompok kerja yang dapat bekerja sama	STS	TS	ATS	AS	S	SS
31.	Terdapat suasana kerja yang dapat berkomunikasi	STS	TS	ATS	AS	S	SS
32.✓	Terdapat tempat kerja yang aman dan nyaman	STS	TS	ATS	AS	S	SS
H. Gaji dan bonus							
33.	Terdapat gaji yang diterima secara tetap perbulan	STS	TS	ATS	AS	S	SS
34.	Terdapat kenaikan upah gaji secara berkala	STS	TS	ATS	AS	S	SS
35.	Terdapat bonus yang diterima untuk setiap pekerjaan yang berlebih	STS	TS	ATS	AS	S	SS
36.	Terdapat bonus yang diterima untuk jaminan kesehatan	STS	TS	ATS	AS	S	SS

37.✓	Terdapat bonus yang diterima untuk jaminan haru tua	STS	TS	ATS	AS	S	SS
I. Penghargaan pihak perusahaan							
38.	Perusahaan memberikan penghargaan untuk setiap karyawan	STS	TS	ATS	AS	S	SS
39.	Perusahaan memberikan penghargaan untuk karyawan yang berprestasi	STS	TS	ATS	AS	S	SS
40.✓	Perusahaan memberikan penghargaan untuk keberhasilan (kenaikan) laba perusahaan	STS	TS	ATS	AS	S	SS
J. Kepercayaan atasan kerja							
41.✓	Atasan kerja memberikan tanggung jawab sesuai dengan tugasnya	STS	TS	ATS	AS	S	SS
42.	Atasan kerja melibatkan karyawan dalam pengambilan keputusan	STS	TS	ATS	AS	S	SS
43.	Atasan kerja memberi kesempatan karyawan untuk memimpin suatu kegiatan	STS	TS	ATS	AS	S	SS



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Lampiran 2  
Tabulasi Data Penelitian

Nomor responder	Pengembangan karir					Gaji dan bonus					Penghargaan perusahaan		
	PK1	PK2	PK3	PK4	PK5	GB1	GB2	GB3	GB4	GB5	PP1	PP2	PP3
1	5	5	5	4	4	4	4	4	4	5	4	3	5
2	5	5	5	5	5	4	3	4	4	5	6	5	4
3	5	5	5	4	3	3	4	3	4	5	4	4	3
4	6	4	4	5	4	5	4	5	5	3	6	5	2
5	5	5	5	5	3	4	5	4	4	4	5	5	3
6	5	5	5	5	5	5	6	5	5	4	4	3	5
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8	5	5	5	5	5	3	4	5	4	3	3	2	4
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50	5	5	5	5	5	5	5	5	5	4	5	5	4

Nomor responder	Pengembangan karir					Gaji dan bonus					Penghargaan perusahaan		
	PK1	PK2	PK3	PK4	PK5	GB1	GB2	GB3	GB4	GB5	PP1	PP2	PP3
51	4	4	4	5	5	6	5	5	6	4	4	4	5
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74	5	5	4	5	4	5	5	4	5	5	3	3	4
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76	3	4	4	5	5	4	4	4	5	4	3	3	4
77	5	5	5	5	5	5	5	5	5	5	5	5	5
78	4	4	5	5	5	4	3	4	5	4	4	5	2
79	5	5	4	4	5	5	4	5	4	5	5	5	5
80	5	5	5	5	5	4	3	5	4	5	5	5	5
81	5	5	6	5	3	3	4	5	4	4	5	5	4
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99	6	5	5	5	5	4	4	5	3	5	5	5	5
100	5	5	6	5	5	5	5	5	4	5	5	5	5

Nomor responder	Prestise			Disiplin kerja			Dukungan atasan						
	PR1	PR2	PR3	DK1	DK2	DK3	DA1	DA2	DA3	DA4	DA5	DA6	DA7
1	4	3	4	4	5	5	4	3	4	5	4	4	4
2	5	5	6	5	5	5	5	5	5	5	4	5	5
3	5	6	5	4	5	5	5	5	5	5	5	5	4
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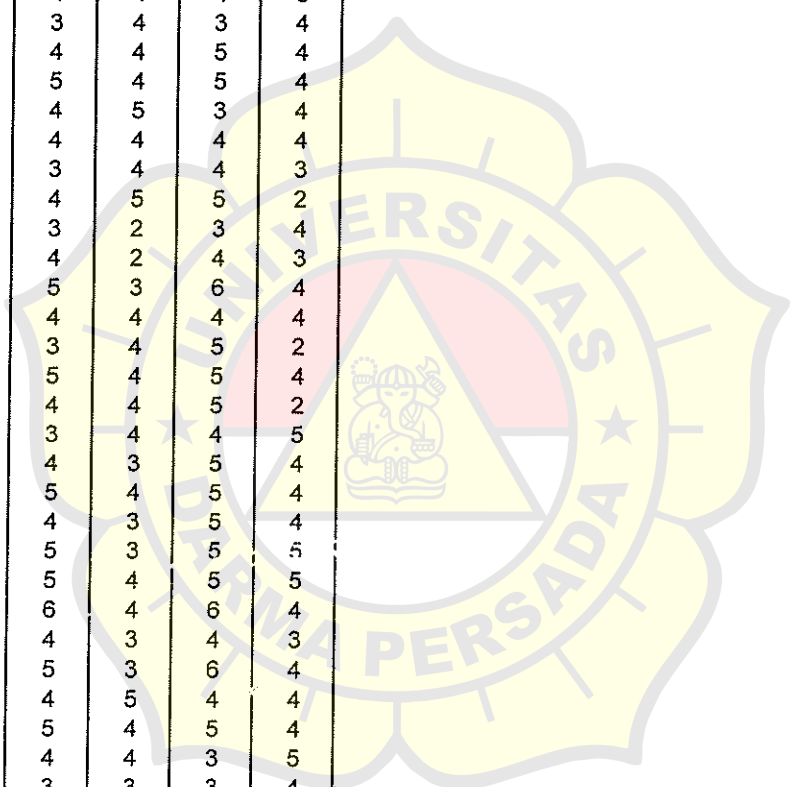
Nomor responder	Prestise			Disiplin kerja			Dukungan atasan						
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57	4	3	4	5	5	5	4	4	4	4	5	4	4
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60	5	5	5	5	3	4	4	4	3	4	4	4	4
61	3	4	4	5	5	4	5	5	5	5	5	5	5
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63	4	4	3	5	4	3	5	5	5	5	5	5	5
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Nomor responder	Kepercayaan atasan			Kondisi tempat kerja					Kelompok kerja			
	KA1	KA2	KA3	KT1	KT2	KT3	KT4	KT5	KK1	KK2	KK3	KK4
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7	3	4	4	6	5	4	5	5	5	5	5	4
8	4	5	5	5	5	3	5	5	6	5	5	4
9	4	4	4	3	4	5	4	3	3	4	4	4
10	4	5	5	5	5	2	4	4	4	3	3	4
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Nomor responder	Kepercayaan atasan			Kondisi tempat kerja					Kelompok kerja			
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70	4	3	4	4	4	5	4	3	4	4	3	5
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Nomor responder	Karakteristik pekerjaan				
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8	5	6	4	5	4
9	4	5	4	5	4
10	4	3	4	4	4
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12	5	5	3	5	5
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45	5	5	4	5	3
46	5	5	4	5	3
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49	5	5	5	5	2
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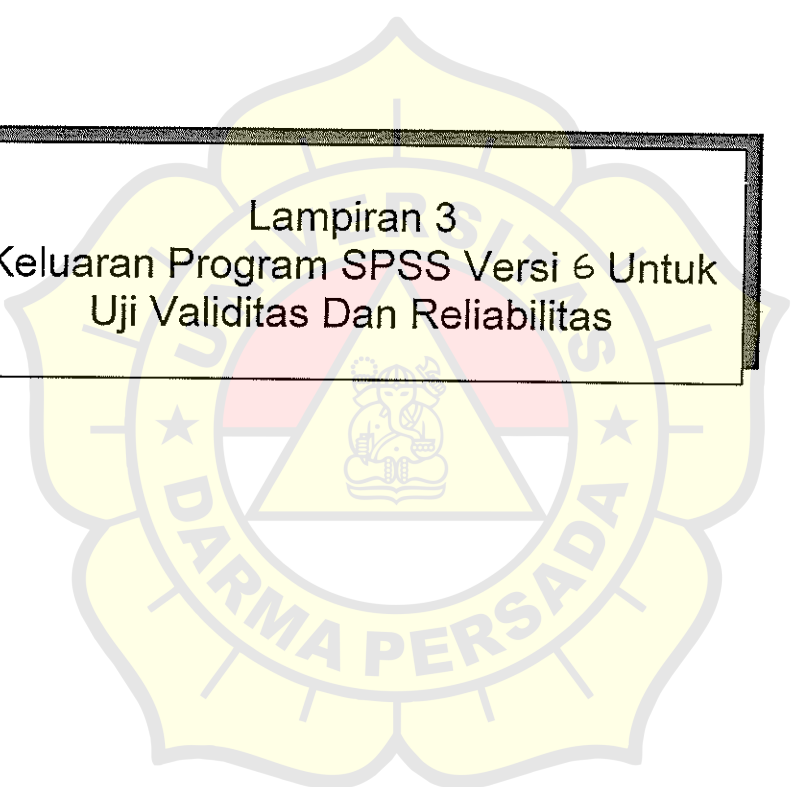
Nomor responder	Karakteristik pekerjaan				
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54	3	3	5	4	5
55	4	4	5	5	4
56	5	4	3	4	2
57	4	5	2	5	3
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65	5	5	3	5	5
66	5	5	4	5	3
67	5	5	4	5	4
68	5	6	5	6	5
69	3	3	4	4	4
70	3	4	5	5	5
71	5	5	3	5	4
72	4	3	4	4	4
73	4	5	4	5	4
74	5	5	5	5	5
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76	5	5	3	5	4
77	3	4	3	4	4
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94	4	3	4	3	4
95	5	5	5	4	5
96	5	5	4	5	4
97	6	4	4	5	4
98	3	3	4	4	5
99	5	3	4	4	4
100	4	5	4	5	4



Tabel 9

Skor semangat kerja karyawan

Nomor responden	Nilai skor	Nomor responden	Nilai skor
1	73	51	72
2	69	52	78
3	64	53	65
4	77	54	63
5	63	55	63
6	78	56	76
7	62	57	71
8	65	58	61
9	73	59	62
10	65	60	72
11	74	61	77
12	64	62	60
13	66	63	69
14	68	64	74
15	71	65	71
16	70	66	71
17	73	67	63
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21	77	71	54
22	74	72	66
23	74	73	71
24	76	74	59
25	78	75	65
26	73	76	72
27	69	77	64
28	65	78	60
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30	68	80	64
31	67	81	76
32	65	82	71
33	70	83	71
34	73	84	70
35	61	85	62
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41	76	91	70
42	70	92	63
43	70	93	70
44	66	94	63
45	67	95	59
46	72	96	76
47	69	97	66
48	56	98	70
49	62	99	61
50	70	100	66



Lampiran 3  
Keluaran Program SPSS Versi 6 Untuk  
Uji Validitas Dan Reliabilitas

RELIABILITY ANALYSIS - SCALE (ALPHA)

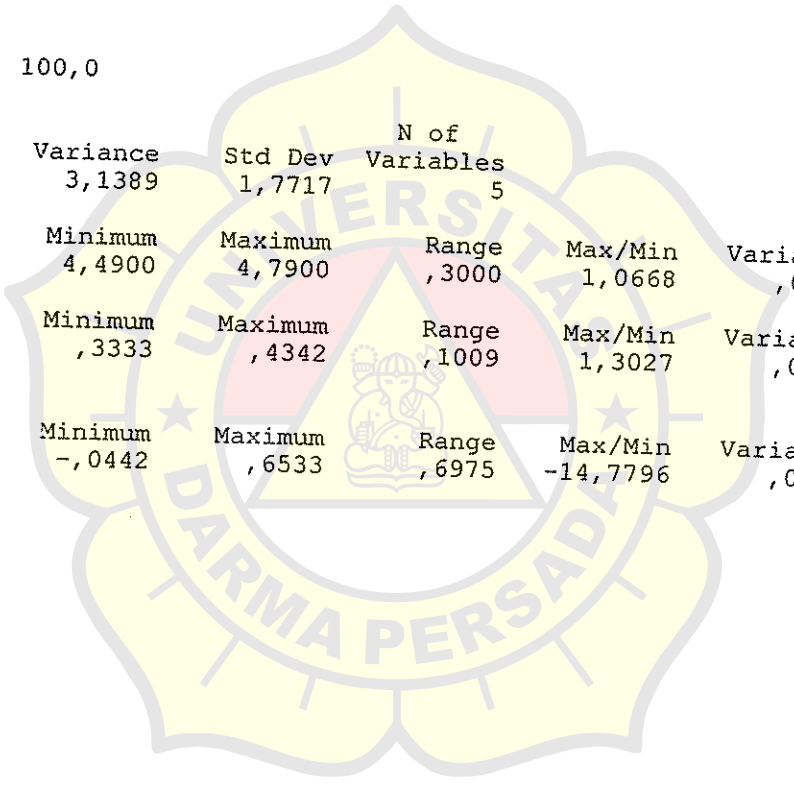
	Mean	Std Dev	Cases
PK1	4,7900	,6079	100,0
PK2	4,7000	,5774	100,0
PK3	4,6500	,6416	100,0
PK4	4,6200	,6159	100,0
PK5	4,4900	,6590	100,0

Correlation Matrix

	PK1	PK2	PK3	PK4	PK5
PK1	1,0000				
PK2	,6533	1,0000			
PK3	,3017	,3954	1,0000		
PK4	,1084	,0170	,1201	1,0000	
PK5	-,0431	-,0345	-,0442	,1647	1,0000

N of Cases = 100,0

	Mean	Variance	Std Dev	N of Variables
Statistics for Scale	23,2500	3,1389	1,7717	5
Means	Mean	Minimum	Maximum	Range
	4,6500	4,4900	4,7900	,3000
				Max/Min
				1,0668
				Variance
				,0122
Variances	Mean	Minimum	Maximum	Range
	,3856	,3333	,4342	,1009
				Max/Min
				1,3027
				Variance
				,0015
Item Statistics	Mean	Minimum	Maximum	Range
	,1639	-,0442	,6533	,6975
				Max/Min
				-14,7796
				Variance
				,0489



LIABILITY ANALYSIS - SCALE (ALPHA)

total Statistics

Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted
18,4600	2,0287	,4276	,4387	,3090
18,5500	2,0682	,4440	,4756	,3052
18,6000	2,1414	,3120	,1734	,3891
18,6300	2,4375	,1674	,0600	,4861
18,7600	2,6691	,0165	,0336	,5870

Reliability Coefficients

5 items

= ,4821

Standardized item alpha = ,4950





ELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
PK1	4,7900	,6079	100,0
PK2	4,7000	,5774	100,0
PK3	4,6500	,6416	100,0
PK4	4,6200	,6159	100,0

Correlation Matrix

	PK1	PK2	PK3	PK4
PK1	1,0000			
PK2	,6533	1,0000		
PK3	,3017	,3954	1,0000	
PK4	,1084	,0170	,1201	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
Means	18,7600	2,6691	1,6337	4		
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
Item-to-Item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,2660	,0170	,6533	,6362	38,3315	,0502

total Statistics

Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted
13,9700	1,5243	,5164	,4375	,3936
14,0600	1,5721	,5274	,4754	,3926
14,1100	1,6342	,3799	,1711	,5066
14,1400	2,1014	,1054	,0302	,7044

RELIABILITY ANALYSIS - SCALE (ALPHA)

Reliability Coefficients      4 items

a =   ,5870                      Standardized item alpha =   ,5918



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
PK1	4,7900	,6079	100,0
PK2	4,7000	,5774	100,0
PK3	4,6500	,6416	100,0

Correlation Matrix

PK1	PK2	PK3
1,0000		
,6533	1,0000	
,3017	,3954	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	14,1400	2,1014	1,4496	3		
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,7133	4,6500	4,7900	,1400	1,0301	,0050
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,3715	,3333	,4116	,0783	1,2348	,0015
Item-Item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,4501	,3017	,6533	,3516	2,1652	,0265
total Statistics	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted	
	9,3500	1,0379	,5602	,4290	,5645	
	9,4400	1,0166	,6455	,4700	,4630	
	9,4900	1,1615	,3820	,1596	,7896	

E L I A B I L I T Y   A N A L Y S I S   -   S C A L E   ( A L P H A )

ability Coefficients      3 items

a = ,7044                      Standardized item alpha = ,7106

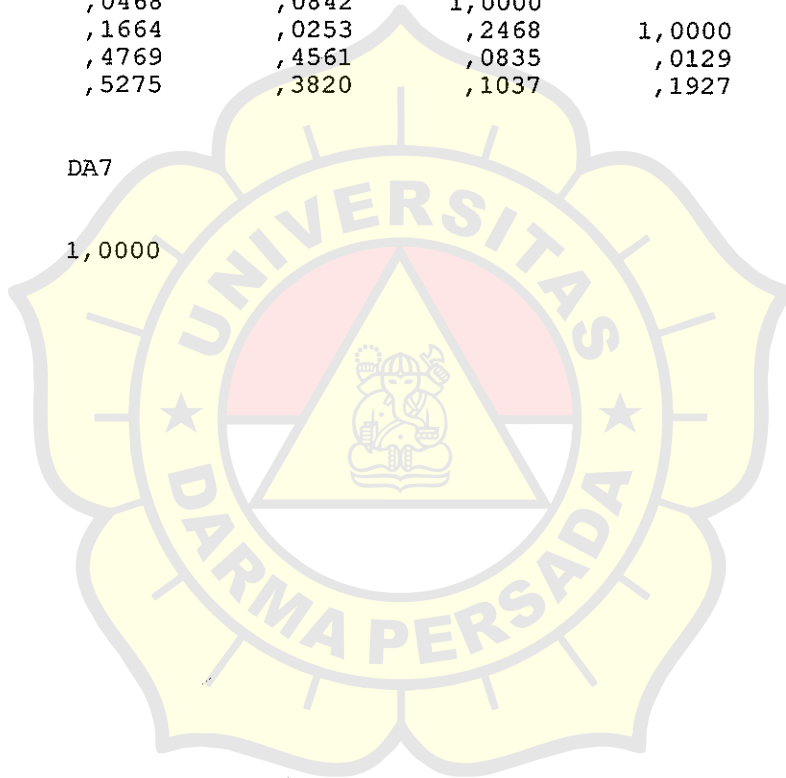


RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
. DA1	4,4800	,7585	100,0
. DA2	4,5100	,7316	100,0
. DA3	4,5800	,8549	100,0
. DA4	4,5500	,5752	100,0
. DA5	4,4800	,5409	100,0
. DA6	4,5300	,8097	100,0
. DA7	4,2900	,6860	100,0

Correlation Matrix

DA1	DA2	DA3	DA4	DA5	DA6	DA7
1,0000						
,5373	1,0000					
,4854	,6851	1,0000				
,0139	,0468	,0842	1,0000			
,1714	,1664	,0253	,2468	1,0000		
,4368	,4769	,4561	,0835	,0129	1,0000	
,5839	,5275	,3820	,1037	,1927	,4661	1,0000



RELIABILITY ANALYSIS - SCALE (ALPHA)

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	31,4200	10,4077	3,2261	7		
Item Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,4886	4,2900	4,5800	,2900	1,0676	,0090
Item Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5130	,2925	,7309	,4384	2,4986	,0260
Inter-item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,2945	,0129	,6851	,6721	53,0385	,0470

Item-total Statistics

Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted
26,9400	7,3095	,6151	,4528	,7049
26,9100	7,1534	,6948	,5800	,6874
26,8400	7,0044	,5905	,5193	,7100
26,8700	9,6294	,1254	,0876	,7937
26,9400	9,5115	,1809	,1365	,7838
26,8900	7,4120	,5307	,3381	,7248
27,1300	7,6092	,6151	,4459	,7079

Reliability Coefficients

Cronbach's Alpha = ,7641

7 items

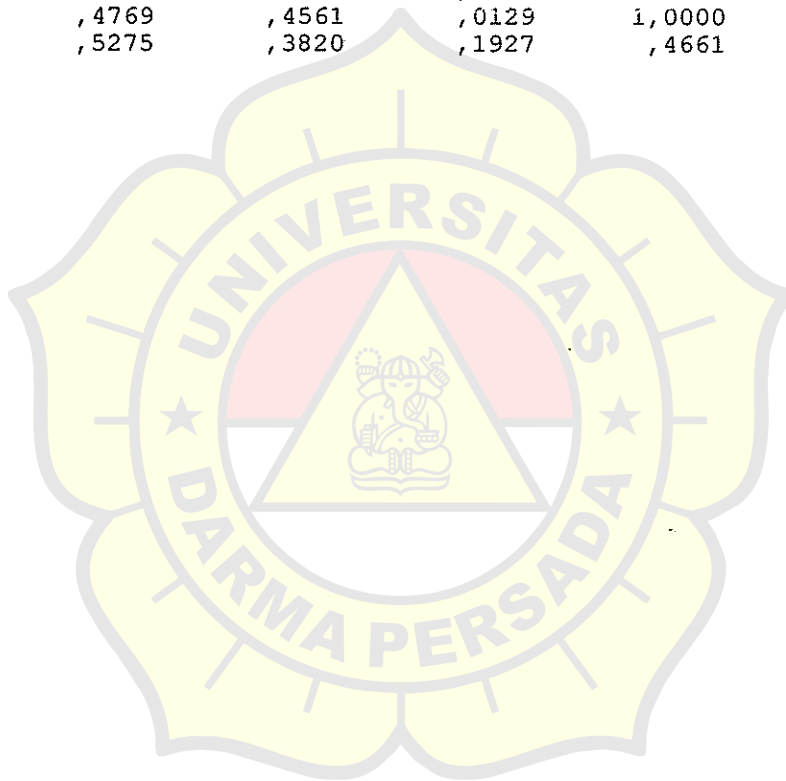
Standardized item alpha = ,7450

E L I A B I L I T Y   A N A L Y S I S   -   S C A L E   ( A L P H A )

	Mean	Std Dev	Cases
DA1	4,4800	,7585	100,0
DA2	4,5100	,7316	100,0
DA3	4,5800	,8549	100,0
DA5	4,4800	,5409	100,0
DA6	4,5300	,8097	100,0
DA7	4,2900	,6860	100,0

Correlation Matrix

DA1	DA2	DA3	DA5	DA6	DA7
1,0000					
,5373	1,0000				
,4854	,6851	1,0000			
,1714	,1664	,0253	1,0000		
,4368	,4769	,4561	,0129	1,0000	
,5839	,5275	,3820	,1927	,4661	
					1,0000



RELIABILITY ANALYSIS - SCALE (ALPHA)

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	26,8700	9,6294	3,1031	6		
Item Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,4783	4,2900	4,5800	,2900	1,0676	,0099
Item Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5434	,2925	,7309	,4384	2,4986	,0234
Inter-item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,3737	,0129	,6851	,6721	53,0385	,0415

Item-total Statistics

Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted
22,3900	6,5433	,6470	,4469	,7371
22,3600	6,4145	,7231	,5773	,7190
22,2900	6,3090	,6029	,5136	,7489
22,3900	8,8868	,1396	,0748	,8326
22,3400	6,7115	,5392	,3349	,7649
22,5800	6,9127	,6226	,4426	,7456

Reliability Coefficients

alpha = ,7937

6 items

Standardized item alpha = ,7817



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
DA1	4,4800	,7585	100,0
DA2	4,5100	,7316	100,0
DA3	4,5800	,8549	100,0
DA6	4,5300	,8097	100,0
DA7	4,2900	,6860	100,0

Correlation Matrix

DA1	DA2	DA3	DA6	DA7
1,0000				
,5373	1,0000			
,4854	,6851	1,0000		
,4368	,4769	,4561	1,0000	
,5839	,5275	,3820	,4661	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	22,3900	8,8868	2,9811	5		
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,4780	4,2900	4,5800	,2900	1,0676	,0124
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5936	,4706	,7309	,2603	1,5531	,0104
Item-Item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5037	,3820	,6851	,3031	1,7933	,0068

RELIABILITY ANALYSIS - SCALE (ALPHA)

n-total Statistics

Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted
17,9100	5,9413	,6410	,4425	,7964
17,8800	5,8036	,7228	,5691	,7745
17,8100	5,5898	,6348	,5063	,7998
17,8600	5,9802	,5684	,3276	,8178
18,1000	6,3131	,6100	,4361	,8059

Reliability Coefficients

5 items

a = ,8326

Standardized item alpha = ,8354



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
. KP1	4,3200	,7898	100,0
. KP2	4,3800	,8382	100,0
. KP3	3,8600	,7788	100,0
. KP4	4,5900	,7398	100,0
. KP5	4,0000	,8288	100,0

Correlation Matrix

	KP1	KP2	KP3	KP4	KP5
KP1	1,0000				
KP2	,5163	1,0000			
KP3	,0736	,0204	1,0000		
KP4	,4169	,6772	,0396	1,0000	
KP5	-,0309	,0000	,1722	-,0494	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
Means	21,1500	5,4621	2,3371	5		
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
Item-Item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,6334	,5474	,7026	,1553	1,2836	,0040
	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,1836	-,0494	,6772	,7267	-13,7037	,0634

RELIABILITY ANALYSIS - SCALE (ALPHA)

n-total Statistics

Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted
16,8300	3,6173	,4064	,2798	,3959
16,7700	3,2092	,5162	,5271	,3094
17,2900	4,4706	,1169	,0379	,5696
16,5600	3,6024	,4673	,4678	,3637
17,1500	4,6540	,0339	,0367	,6228

Reliability Coefficients 5 items

alpha = ,5252

Standardized item alpha = ,5293



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
. KP1	4,3200	,7898	100,0
. KP2	4,3800	,8382	100,0
. KP4	4,5900	,7398	100,0

Correlation Matrix

KP1	KP2	KP4
1,0000		
,5163	1,0000	
,4169	,6772	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	13,2900	3,8847	1,9710	3		
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,4300	4,3200	4,5900	,2700	1,0625	,0201
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,6246	,5474	,7026	,1553	1,2836	,0060
Inter-item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5368	,4169	,6772	,2603	1,6244	,0138
Reliability Statistics	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted	
	8,9700	2,0900	,5127	,2749	,8038	
	8,9100	1,6585	,7057	,5249	,5876	
	8,7000	2,0101	,6327	,4648	,6802	

RELIABILITY ANALYSIS - SCALE (ALPHA)

Reliability Coefficients      3 items

alpha =      ,7765

Standardized item alpha =      ,7766



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
PR1	4,4300	,7420	100,0
PR2	4,5100	,7453	100,0
PR3	4,4600	,8924	100,0

Correlation Matrix

	PR1	PR2	PR3
PR1	1,0000		
PR2	,4396	1,0000	
PR3	,4457	,5094	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables			
	13,4000	3,6566	1,9122	3			
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance	
	4,4667	4,4300	4,5100	,0800	1,0181	,0016	
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance	
	,6341	,5506	,7964	,2458	1,4463	,0197	
Inter-item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance	
	,4649	,4396	,5094	,0697	1,1586	,0012	
Item Total Statistics	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted		
	8,9700	2,0294	,5092	,2597	,6678		
	8,8900	1,9373	,5610	,3159	,6094		
	8,9400	1,5923	,5630	,3204	,6108		

RELIABILITY ANALYSIS - SCALE (ALPHA)

Reliability Coefficients      3 items

$\alpha = ,7196$                       Standardized item alpha =  $,7227$





RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
KT1	4,5200	,7975	100,0
KT2	4,5200	,6739	100,0
KT3	4,3900	,8152	100,0
KT4	4,4700	,6884	100,0
KT5	4,5300	,7447	100,0

Correlation Matrix

	KT1	KT2	KT3	KT4	KT5
KT1	1,0000				
KT2	,5631	1,0000			
KT3	-,1442	-,1339	1,0000		
KT4	,6911	,5783	-,1859	1,0000	
KT5	,6538	,6730	-,1442	,6717	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	22,4300	6,1062	2,4711	5		
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,4860	4,3900	4,5300	,1400	1,0319	,0034
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5566	,4541	,6645	,2104	1,4633	,0088
Item-Item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,3223	-,1859	,6911	,8771	-3,7168	,1596

RELIABILITY ANALYSIS - SCALE (ALPHA)

n-total Statistics

Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted
17,9100	3,5171	,6530	,5514	,5193
17,9100	3,9817	,6211	,4915	,5534
18,0400	6,1600	-,1775	,0359	,8748
17,9600	3,8570	,6566	,5762	,5350
17,9000	3,5859	,6969	,6026	,5047

Reliability Coefficients 5 items

a = ,6803

Standardized item alpha = ,7039



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
DK1	4,5500	,5752	100,0
DK2	4,5100	,7587	100,0
DK3	4,4700	,7311	100,0

Correlation Matrix

DK1	DK2	DK3
1,0000		
,0914	1,0000	
-,0204	,5105	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	13,5300	2,0698	1,4387	3		
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,5100	4,4700	4,5500	,0800	1,0179	,0016
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,4803	,3308	,5757	,2448	1,7402	,0172
Inter-item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,1938	-,0204	,5105	,5309	-24,9983	,0627
Reliability Statistics	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted	
	8,9800	1,6764	,0420	,0144	,6756	
	9,0200	,8481	,4623	,2709	-,0405	
	9,0600	,9863	,3782	,2651	,1618	

E L I A B I L I T Y   A N A L Y S I S   -   S C A L E   ( A L P H A )

iability Coefficients      3 items

na =      ,4558

Standardized item alpha =      ,4190



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
DK2	4,5100	,7587	100,0
DK3	4,4700	,7311	100,0

Correlation Matrix

	DK2	DK3
DK2	1,0000	,5105
DK3	,5105	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	8,9800	1,6764	1,2947	2		
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,4900	4,4700	4,5100	,0400	1,0089	,0008
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5551	,5344	,5757	,0412	1,0771	,0008
Inter-item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5105	,5105	,5105	,0000	1,0000	,0000
Reliability Statistics	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted	
	4,4700	,5344	,5105	,2606	.	
	4,5100	,5757	,5105	,2606	.	

E L I A B I L I T Y   A N A L Y S I S   -   S C A L E   ( A L P H A )

ability Coefficients      2 items

a =      ,6756                      Standardized item alpha =      ,6759



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
. KK1	4,5600	,7292	100,0
. KK2	4,5900	,7398	100,0
. KK3	4,5600	,8327	100,0
. KK4	4,3400	,6995	100,0

Correlation Matrix

	KK1	KK2	KK3	KK4
KK1	1,0000			
KK2	,5797	1,0000		
KK3	,7260	,5568	1,0000	
KK4	-,0008	-,0207	-,0527	1,0000

N of Cases = 100,0

Statistics for	Mean	Variance	Std Dev	N of Variables		
Scale	18,0500	4,3712	2,0907	4		
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,5125	4,3400	4,5900	,2500	1,0576	,0134
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5654	,4893	,6933	,2040	1,4170	,0079
Inter-item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,2980	-,0527	,7260	,7787	-13,7707	,1170

Reliability Statistics

Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted
13,4900	2,3332	,6762	,5729	,3878
13,4600	2,5337	,5477	,3751	,4851
13,4900	2,1716	,6138	,5572	,4167
13,7100	3,9656	-,0300	,0058	,8296

E L I A B I L I T Y   A N A L Y S I S   -   S C A L E   ( A L P H A )

iability Coefficients      4 items

na =      ,6435

Standardized item alpha =      ,6294





RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
. GB1	4,4200	,7678	100,0
. GB2	4,3700	,7740	100,0
. GB3	4,4500	,6416	100,0
. GB4	4,4000	,8040	100,0
. GB5	4,3400	,7813	100,0

Correlation Matrix

	GB1	GB2	GB3	GB4	GB5
GB1	1,0000				
GB2	,3988	1,0000			
GB3	,0431	,1495	1,0000		
GB4	,5596	,3766	,1567	1,0000	
GB5	,1637	,0905	,0544	,0868	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	21,9800	5,3127	2,3049	5		
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,3960	4,3400	4,4500	,1100	1,0253	,0018
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5714	,4116	,6465	,2348	1,5706	,0084
Item-Item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,2080	,0431	,5596	,5165	12,9951	,0290

RELIABILITY ANALYSIS - SCALE (ALPHA)

Item-Total Statistics

Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted
17,5600	3,3196	,5017	,3698	,4225
17,6100	3,5130	,4138	,2046	,4763
17,5300	4,4940	,1496	,0426	,6078
17,5800	3,2360	,4945	,3534	,4224
17,6400	4,2327	,1460	,0298	,6256

Reliability Coefficients 5 items

alpha = ,5778

Standardized item alpha = ,5676



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
. GB1	4,4200	,7678	100,0
. GB2	4,3700	,7740	100,0
. GB4	4,4000	,8040	100,0

Correlation Matrix

	GB1	GB2	GB4
GB1	1,0000		
GB2	,3988	1,0000	
GB4	,5596	,3766	1,0000

N of Cases = 100,0

Statistics for Scale	Mean 13,1900	Variance 3,4686	Std Dev 1,8624	N of Variables 3		
Means	Mean 4,3967	Minimum 4,3700	Maximum 4,4200	Range ,0500	Max/Min 1,0114	Variance ,0006
Variances	Mean ,6117	Minimum ,5895	Maximum ,6465	Range ,0570	Max/Min 1,0966	Variance ,0009
Inter-item Correlations	Mean ,4450	Minimum ,3766	Maximum ,5596	Range ,1830	Max/Min 1,4861	Variance ,0080
Reliability Statistics	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation		Alpha if Item Deleted
	8,7700	1,7142	,5794	,3544		,5468
	8,8200	1,9269	,4387	,1933		,7171
	8,7900	1,6625	,5593	,3411		,5701

RELIABILITY ANALYSIS - SCALE (ALPHA)

Reliability Coefficients      3 items

alpha = ,7064                      Standardized item alpha = ,7063



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
PP1	4,3500	,8333	100,0
PP2	4,4600	,7709	100,0
PP3	4,2600	,6454	100,0

Correlation Matrix

PP1	PP2	PP3
1,0000		
,5330	1,0000	
-,0019	,1226	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	13,0700	2,5102	1,5844	3		
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,3567	4,2600	4,4600	,2000	1,0469	,0100
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5685	,4166	,6944	,2779	1,6671	,0198
Item-to-Item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,2179	-,0019	,5330	,5349	-283,8067	,0627
Scale Statistics	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted	
	8,7200	1,1329	,3849	,2887	,2154	
	8,6100	1,1090	,4969	,2994	-,0036	
	8,8100	1,9736	,0662	,0213	,6940	

RELIABILITY ANALYSIS - SCALE (ALPHA)

Reliability Coefficients      3 items

alpha =      ,4809

Standardized item alpha =      ,4553



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
PP1	4,3500	,8333	100,0
PP2	4,4600	,7709	100,0

Correlation Matrix

	PP1	PP2
PP1	1,0000	,5330
PP2	,5330	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables		
	8,8100	1,9736	1,4049	2		
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance
	4,4050	4,3500	4,4600	,1100	1,0253	,0061
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,6444	,5943	,6944	,1001	1,1684	,0050
Item-Item Relations	Mean	Minimum	Maximum	Range	Max/Min	Variance
	,5330	,5330	,5330	,0000	1,0000	,0000
Item Total Statistics	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted	
	4,4600	,5943	,5330	,2841	.	.
	4,3500	,6944	,5330	,2841	.	.

RELIABILITY ANALYSIS - SCALE (ALPHA)

Reliability Coefficients      2 items

$\alpha = ,6940$

Standardized item alpha = ,6954





RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
. KA1	4,3100	,6620	100,0
. KA2	4,2900	,7823	100,0
. KA3	4,3900	,7371	100,0

Correlation Matrix

	KA1	KA2	KA3
KA1	1,0000		
KA2	,0977	1,0000	
KA3	-,0433	,5201	1,0000

N of Cases = 100,0

Statistics for Scale	Mean	Variance	Std Dev	N of Variables			
	12,9900	2,2524	1,5008	3			
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance	
	4,3300	4,2900	4,3900	,1000	1,0233	,0028	
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance	
	,5312	,4383	,6120	,1737	1,3964	,0077	
Inter-item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance	
	,1915	-,0433	,5201	,5633	-12,0215	,0687	
Reliability Statistics	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted		
	8,6800	1,7552	,0336	,0217	,6835		
	8,7000	,9394	,4623	,2849	-,0899		
	8,6000	1,1515	,3525	,2794	,1758		

E L I A B I L I T Y   A N A L Y S I S   -   S C A L E   ( A L P H A )

iability Coefficients      3 items

ia =      ,4387

Standardized item alpha =      ,4154



RELIABILITY ANALYSIS - SCALE (ALPHA)

	Mean	Std Dev	Cases
KA2	4,2900	,7823	100,0
KA3	4,3900	,7371	100,0

Correlation Matrix

	KA2	KA3
KA2	1,0000	,5201
KA3	,5201	1,0000

N of Cases = 100,0

Statistics for	Mean	Variance	Std Dev	N of Variables			
Scale	8,6800	1,7552	1,3248	2			
Means	Mean	Minimum	Maximum	Range	Max/Min	Variance	
	4,3400	4,2900	4,3900	,1000	1,0233	,0050	
Variances	Mean	Minimum	Maximum	Range	Max/Min	Variance	
	,5777	,5433	,6120	,0687	1,1264	,0024	
Inter-item Correlations	Mean	Minimum	Maximum	Range	Max/Min	Variance	
	,5201	,5201	,5201	,0000	1,0000	,0000	
Inter-total Statistics	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Squared Multiple Correlation	Alpha if Item Deleted		
	4,3900	,5433	,5201	,2705	.		
	4,2900	,6120	,5201	,2705	.		


E L I A B I L I T Y   A N A L Y S I S   -   S C A L E   ( A L P H A )

Reliability Coefficients      2 items

alpha =      ,6835

Standardized item alpha =      ,6843





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Keluaran Program SPSS Versi 6 Untuk  
Analisa Faktor

FACTOR ANALYSIS

analysis number 1 Replacement of missing values with the mean

	Mean	Std Dev	Cases	Label
A1	4,48000	,75852	100	
A2	4,51000	,73161	100	
A3	4,58000	,85493	100	
A6	4,53000	,80973	100	
A7	4,29000	,68601	100	
K2	4,51000	,75872	100	
K3	4,47000	,73106	100	
B1	4,42000	,76779	100	
B2	4,37000	,77401	100	
B4	4,40000	,80403	100	
A2	4,29000	,78232	100	
A3	4,39000	,73711	100	
K1	4,56000	,72919	100	
K2	4,59000	,73985	100	
K3	4,56000	,83267	100	
P1	4,32000	,78983	100	
P2	4,38000	,83823	100	
P4	4,59000	,73985	100	
F1	4,52000	,79747	100	
F2	4,52000	,67390	100	
F4	4,47000	,68836	100	
F5	4,53000	,74475	100	
G1	4,79000	,60794	100	
G2	4,70000	,57735	100	
G3	4,65000	,64157	100	
H1	4,35000	,83333	100	
H2	4,46000	,77094	100	
.1	4,43000	,74203	100	
.2	4,51000	,74529	100	
.3	4,46000	,89239	100	

Correlation Matrix:

	DA1	DA2	DA3	DA6	DA7	DK2	DK3
1	1,00000						
2	,53732	1,00000					
3	,48536	,68505	1,00000				
6	,43680	,47691	,45613	1,00000			
7	,58391	,52750	,38200	,46606	1,00000		
2	-,00842	-,09117	,02211	,03239	,06230	1,00000	

- - - - - F A C T O R   A N A L Y S I S   - - - - -

	DA1	DA2	DA3	DA6	DA7	DK2	DK3
DK3	,02623	-,09386	-,05269	,08685	,10816	,51045	1,00000
DB1	-,03746	-,06150	,05601	-,03672	,05408	-,18068	-,15728
DB2	,14177	,21637	,13036	,24804	,38561	-,10097	-,02481
DB4	-,00331	,07899	,09992	-,00310	,11720	-,10597	-,15123
DA2	-,08375	,05665	,01782	,01005	-,06418	,15673	,09484
DA3	-,04914	,05825	-,00994	,03943	-,06612	,12842	,14377
K1	-,07086	-,10527	-,12120	-,08006	-,02504	,35493	,27816
K2	,04824	,07297	,02843	-,02141	,07742	,17833	,19180
K3	,03390	,02388	,04995	,00479	,08417	,24686	,19381
P1	,01079	,09929	,06642	,09540	,16256	,14631	-,01819
P2	,04385	-,05567	-,09923	,08721	-,00035	,07338	,03527
P4	-,07776	-,07632	-,11530	,02917	-,08180	,14234	,06107
T1	,00067	,06025	,01245	,16331	,12777	,25843	,20029
T2	,06007	,00983	,01473	,23028	,12935	,10826	,11400
T4	-,06887	-,03951	,08136	,14661	,11487	,17464	,17884
T5	,04578	,07360	,09931	,19949	,15085	,14247	,15009
K1	,06747	-,00659	,13954	-,05889	-,02204	,03745	,08796
K2	-,08303	-,08848	-,07367	-,04537	-,03315	,16833	,21778
K3	-,02491	-,06779	-,12338	,04958	,09524	,03839	-,03338
P1	-,15660	-,08035	-,13186	-,05314	-,07333	,05032	,17492
P2	-,01866	,02758	-,04107	-,02233	,05080	,09567	,15019
R1	,02441	-,05452	-,03089	-,03009	-,04901	-,01669	-,00391
R2	,08076	,18507	,10178	,09993	,16220	-,10736	-,07360
R3	,02865	,05477	,16311	,05060	,07689	-,21572	-,07153
	GB1	GB2	GB4	KA2	KA3	KK1	KK2
31	1,00000						
32	,39876	1,00000					
34	,55960	,37656	1,00000				
2	-,07029	,07123	,07066	1,00000			
3	-,23881	,02780	-,01023	,52007	1,00000		
1	-,00938	,00501	,04479	,15511	,15335	1,00000	
2	,02169	,00300	,05773	,10279	,09243	,57967	1,00000
3	,18138	,17679	,17502	,25989	,15075	,72600	,55683
1	,04264	,20092	,05090	,15890	,07842	,07156	-,06707
2	,03202	,04577	,02698	,03050	,11736	,09453	-,08820
4	-,03165	-,06756	-,07811	,01553	,09243	,01797	-,12567
1	,06863	,04517	,19219	-,04987	-,02200	,15425	,09108
2	,12026	,07281	,07830	-,02069	-,00569	,01809	-,07455
4	,11964	,01156	,22266	-,16187	-,02648	,17467	,02519
5	,01307	-,02821	,04723	-,02375	,04287	,06175	,01338
1	,01774	,10239	-,01240	,06563	,07190	,08567	,00876
2	-,03190	-,02034	,02176	,03802	,04035	,21114	,11114
3	-,02666	-,02136	,15665	,04327	,14204	,20728	,24791
1	,05210	-,14016	,01508	,16811	,10442	,00665	,00573
2	,13106	-,01727	,05866	,14504	,01884	-,04959	,10378

FACTOR ANALYSIS

	GB1	GB2	GB4	KA2	KA3	KK1	KK2
PR1	,05213	,07193	,06434	-,04298	,02272	-,00149	-,06201
PR2	,18676	,24742	,21239	-,08298	-,10830	,02676	,01667
PR3	,23116	,29219	,27593	-,03386	-,01443	-,05837	,01316

	KK3	KP1	KP2	KP4	KT1	KT2	KT4
K3	1,00000						
P1	,12410	1,00000					
P2	,16961	,51629	1,00000				
P4	,04853	,41693	,67724	1,00000			
T1	,07423	,13407	-,02660	-,02876	1,00000		
T2	-,07416	,21558	,11158	,06726	,56311	1,00000	
P4	,11772	,14789	,14250	,08469	,69113	,57834	1,00000
T5	,03779	,15523	,12718	,10504	,65377	,67302	,67169
K1	-,02474	-,17418	-,25808	-,08107	-,08501	-,07594	-,19624
K2	,03782	-,11961	-,17950	-,03074	,07898	-,03635	-,07371
K3	,18152	-,13555	-,10706	-,11385	,08292	-,11214	-,08120
P1	,04949	-,17188	-,10556	-,04342	-,15504	-,20145	-,21923
P2	,01951	,00464	-,11692	-,05561	-,04797	-,17343	-,22118
K1	-,14844	,05584	,02696	-,09880	-,02321	,13413	,01562
K2	,00716	,16610	,09087	-,01997	,11013	,15043	,13841
K3	-,06471	,07567	,08804	-,09394	-,04145	,13571	,03914

	KT5	PK1	PK2	PK3	PP1	PP2	PR1
5	1,00000						
1	-,10865	1,00000					
2	-,11981	,65326	1,00000				
3	,01163	,30170	,39541	1,00000			
1	-,20426	,02692	-,01050	,02362	1,00000		
2	-,09465	-,00733	-,00454	,00204	,53300	1,00000	
1	-,03272	,17980	,02122	-,06259	,03185	-,04909	1,00000
2	,01765	,08271	-,03991	-,04542	-,04635	-,09599	,43964
3	,02462	,12400	,01568	-,03352	,03939	,01233	,44573

	PR2	PR3
2	1,00000	
3	,50939	1,00000

Determinant of Correlation Matrix = ,0000012

Mser-Meyer-Olkin Measure of Sampling Adequacy = ,62066



FACTOR ANALYSIS

Bartlett Test of Sphericity = 1205,4496, Significance = ,00000

1-tailed Significance of Correlation Matrix:

' . ' is printed for diagonal elements.

	DA1	DA2	DA3	DA6	DA7
DA1	,				
DA2	,00000	,			
DA3	,00000	,00000	,		
DA6	,00000	,00000	,00000	,	
DA7	,00000	,00000	,00004	,00000	,
K2	,46685	,18350	,41357	,37452	,26904
K3	,39780	,17648	,30132	,19510	,14206
B1	,35567	,27165	,28995	,35841	,29653
B2	,07972	,01530	,09805	,00642	,00004
B4	,48695	,21735	,16129	,48778	,12276
A2	,20372	,28780	,43015	,46049	,26291
A3	,31366	,28241	,46091	,34845	,25668
K1	,24179	,14861	,11484	,21423	,40235
K2	,31683	,23532	,38945	,41626	,22196
K3	,36886	,40679	,31083	,48112	,20253
P1	,45757	,16285	,25574	,17256	,05305
P2	,33245	,29111	,16299	,19413	,49862
P4	,22096	,22520	,12666	,38664	,20925
1	,49737	,27577	,45110	,05224	,10261
2	,27635	,46132	,44219	,01059	,09981
4	,24798	,34815	,21050	,07276	,12756
5	,32555	,23339	,16279	,02330	,06705
1	,25241	,47407	,08308	,28028	,41385
2	,20573	,19068	,23317	,32698	,37166
3	,40285	,25139	,11066	,31211	,17294
1	,05986	,21339	,09549	,29975	,23422
2	,42692	,39266	,34247	,41273	,30784
1	,40476	,29504	,38015	,38315	,31410
2	,21221	,03264	,15683	,16129	,05345
3	,38860	,29418	,05246	,30854	,22352
	DK2	DK3	GB1	GB2	GB4
:	,				
:	,00000	,			
:	,03602	,05905	,		
:	,15877	,40321	,00002	,	
:	,14701	,06656	,00000	,00006	,
:	,05970	,17396	,24354	,24064	,24241

FACTOR ANALYSIS

	DK2	DK3	GB1	GB2	GB4
KA3	,10146	,07678	,00836	,39184	,45978
KK1	,00015	,00254	,46309	,48027	,32905
KK2	,03794	,02796	,41518	,48819	,28415
KK3	,00664	,02667	,03546	,03924	,04079
KP1	,07318	,42871	,33679	,02251	,30751
KP2	,23406	,36376	,37591	,32556	,39495
KP4	,07888	,27306	,37728	,25212	,21992
KT1	,00472	,02286	,24874	,32772	,02770
KT2	,14183	,12938	,11667	,23578	,21937
KT4	,04112	,03751	,11788	,45454	,01299
KT5	,07867	,06805	,44865	,39026	,32038
K1	,35573	,19210	,43045	,15536	,45128
K2	,04705	,01476	,37635	,42039	,41493
K3	,35227	,37081	,39617	,41648	,05980
P1	,30951	,04087	,30335	,08214	,44083
P2	,17186	,06792	,09685	,43231	,28103
R1	,43456	,48460	,30326	,23848	,26241
R2	,14386	,23339	,03141	,00654	,01694
R3	,01556	,23971	,01033	,00159	,00273

	KA2	KA3	KK1	KK2	KK3
A2	,00000				
A3	,06166	,06385			
A1	,15441	,18020	,00000		
A2	,00451	,06718	,00000	,00000	
A3	,05716	,21901	,23964	,25367	,10932
A1	,38162	,12240	,17477	,19122	,04580
A2	,43905	,18020	,42956	,10641	,31578
A3	,31111	,41402	,06273	,18374	,23147
A1	,41904	,47758	,42911	,23050	,23168
A2	,05381	,39686	,04109	,40177	,12171
A3	,40727	,33595	,27082	,44743	,35447
A1	,25826	,23856	,19835	,46554	,40348
A2	,35363	,34510	,01749	,13548	,35436
A3	,33453	,07932	,01926	,00644	,03535
A1	,04727	,15059	,47383	,47742	,31241
A2	,07497	,42620	,31207	,15209	,42360
A3	,33557	,41125	,49412	,26999	,07025
A1	,20587	,14174	,39576	,43462	,47181
A2	,36904	,44333	,28203	,44831	,26122

KP1	KP2	KP4	KT1	KT2
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FACTOR ANALYSIS

	KP1	KP2	KP4	KT1	KT2
KP2	,00000				
KP4	,00001	,00000			
KT1	,09179	,39641	,38818		
KT2	,01562	,13453	,25305	,00000	
KT4	,07100	,07864	,20108	,00000	,00000
KT5	,06151	,10367	,14914	,00000	,00000
PK1	,04153	,00477	,21132	,20020	,22635
PK2	,11794	,03697	,38071	,21738	,35979
PK3	,08937	,14453	,12969	,20606	,13332
PP1	,04364	,14795	,33400	,06176	,02222
PP2	,48171	,12334	,29133	,31775	,04221
PR1	,29054	,39503	,16403	,40933	,09169
PR2	,04930	,18429	,42184	,13769	,06759
PR3	,22716	,19186	,17629	,34112	,08910

	KT4	KT5	PK1	PK2	PK3
T4					
T5	,00000				
K1	,02519	,14096			
K2	,23306	,11755	,00000		
K3	,21097	,45430	,00114	,00002	
P1	,01421	,02075	,39519	,45872	,40779
P2	,01350	,17446	,47116	,48213	,49196
R1	,43870	,37329	,03672	,41701	,26807
R2	,08482	,43081	,20665	,34671	,32682
R3	,34953	,40394	,10951	,43846	,37029

	PP1	PP2	PR1	PR2	PR3
P1					
P2	,00000				
.1	,37653	,31384			
.2	,32350	,17106	,00000		
.3	,34860	,45154	,00000	,00000	

traction 1 for analysis 1, Principal Components Analysis (PC)

----- FACTOR ANALYSIS -----

Initial Statistics:

Variable	Communality	*	Factor	Eigenvalue	Pct of Var	Cum Pct
A1	1,00000	*	1	3,89262	13,0	13,0
A2	1,00000	*	2	3,20960	10,7	23,7
A3	1,00000	*	3	2,87293	9,6	33,3
A6	1,00000	*	4	2,44864	8,2	41,4
A7	1,00000	*	5	2,22955	7,4	48,8
K2	1,00000	*	6	1,77342	5,9	54,8
K3	1,00000	*	7	1,64037	5,5	60,2
B1	1,00000	*	8	1,39236	4,6	64,9
B2	1,00000	*	9	1,32918	4,4	69,3
B4	1,00000	*	10	,98174	3,3	72,6
A2	1,00000	*	11	,87908	2,9	75,5
A3	1,00000	*	12	,76219	2,5	78,0
K1	1,00000	*	13	,68498	2,3	80,3
K2	1,00000	*	14	,64014	2,1	82,5
K3	1,00000	*	15	,58407	1,9	84,4
P1	1,00000	*	16	,54047	1,8	86,2
P2	1,00000	*	17	,47146	1,6	87,8
P4	1,00000	*	18	,46867	1,6	89,3
'1	1,00000	*	19	,43035	1,4	90,8
'2	1,00000	*	20	,37127	1,2	92,0
'4	1,00000	*	21	,36102	1,2	93,2
5	1,00000	*	22	,34127	1,1	94,4
1	1,00000	*	23	,30322	1,0	95,4
2	1,00000	*	24	,28051	,9	96,3
3	1,00000	*	25	,27223	,9	97,2
1	1,00000	*	26	,21229	,7	97,9
2	1,00000	*	27	,18855	,6	98,5
1	1,00000	*	28	,17565	,6	99,1
2	1,00000	*	29	,14585	,5	99,6
3	1,00000	*	30	,11631	,4	100,0

extracted 9 factors.

Factor Matrix:

	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
:	,64648	,35406	-,35532	,13520	-,27650
:	,63712	,31385	-,31958	-,04673	-,30595
:	,62786	,19576	-,36324	,11240	-,26501
:	,60402	,38129	-,17689	,09817	-,40641
:	,57571	-,28185	,36187	-,24786	-,00351

FACTOR ANALYSIS

	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
DA6	,55221	-,23645	,20733	-,35463	-,02170
DA2	,47694	-,44476	,38004	-,38300	,04782
DA3	,46423	-,41502	,34453	-,29997	-,04178
DA1	,42941	-,38752	,33938	-,39065	-,02471
GB2	,40345	-,25567	,26327	,31625	,26288
KK1	,12953	,66547	,39418	,14468	,11655
DK2	,15254	,58495	,15957	-,23218	-,03084
KK3	,20989	,51139	,46620	,09363	,33264
DK3	,12976	,50142	,20736	-,17073	-,10466
KK2	,09934	,40631	,51749	,07541	,02903
PK3	-,06322	,21796	,41960	,16835	-,21789
GB1	,22314	-,16240	,04700	,59551	,17088
GB4	,31823	-,09430	,15804	,56267	,14288
PR3	,25106	-,31108	,07423	,55966	,15043
PR2	,36685	-,25445	,03440	,47167	,13368
XP2	,26391	,19844	-,34214	-,07804	,66598
XP1	,39982	,12629	-,21391	-,05306	,55496
XP4	,10785	,25232	-,35106	-,17828	,52625
PK1	-,12673	-,01904	,46301	,24255	-,29959
PK1	,09520	-,16467	-,02516	,44513	,02291
PK2	-,12993	,24487	,40808	,21085	-,34473
PK1	-,32383	,06727	,23758	,05761	,15537
PK2	-,17410	,01920	,27370	-,00895	,15923
A3	-,00545	,30232	,22125	-,15330	,25575
A2	-,03687	,26656	,30483	-,08182	,35045
	Factor 6	Factor 7	Factor 8	Factor 9	
F4	-,12639	,03889	-,00674	-,04431	
F5	-,03546	,14291	,13709	-,10894	
F2	,11271	,17042	,08906	-,08424	
F1	-,10294	,15126	,11733	,00141	
F7	-,05460	,01964	-,02479	,22352	
F6	,08272	,08572	,08090	,06416	
F2	-,01429	,00757	,01672	-,12247	
F3	,01865	-,00707	-,01080	-,08711	
F1	,05137	-,09301	-,14490	,10329	
F2	-,05731	-,05073	,20764	,09417	
F1	-,08691	-,25886	-,29192	-,08456	

----- F A C T O R   A N A L Y S I S -----

	Factor 6	Factor 7	Factor 8	Factor 9
DK2	,16327	,18461	-,17349	,21077
KK3	-,30844	-,24164	-,14159	-,06731
DK3	,19108	,34636	-,25178	,25265
KK2	-,27026	-,18957	-,32541	-,15253
PK3	,07535	-,25233	,33445	,06970
3B1	-,39349	,04080	,18149	,28104
3B4	-,31176	,03239	,33178	,03983
PR3	,28233	,16522	-,20115	-,14282
PR2	,27306	,03319	-,35159	-,09073
KP2	,21050	-,16980	-,00030	,19833
KP1	,20211	-,04157	,08586	,11172
KP4	,28021	-,13123	,13217	,36186
PK1	,54469	-,09862	,20979	,19127
PR1	,49083	,19291	-,38540	-,19109
PK2	,45060	-,15816	,24398	,33191
PP1	-,11123	,67959	-,04768	,13828
PP2	-,22315	,67222	,02478	,28440
CA3	,29091	,17743	,35727	-,52799
CA2	,12081	,26897	,38595	-,45824

Final Statistics:

Variable	Communality	Factor	Eigenvalue	Pct of Var	Cum Pct
DA1	,64591	1	3,89262	13,0	13,0
DA2	,73424	2	3,20960	10,7	23,7
DA3	,60628	3	2,87293	9,6	33,3
DA6	,55492	4	2,44864	8,2	41,4
DA7	,65722	5	2,22955	7,4	48,8
DK2	,58102	6	1,77342	5,9	54,8
DK3	,63505	7	1,64037	5,5	60,2
KB1	,73063	8	1,39236	4,6	64,9
KB2	,52441	9	1,32910	4,4	69,3
KB4	,68206	*			
KA2	,74073	*			
KA3	,75181	*			
KA1	,81645	*			
KA2	,68742	*			
KA3	,82043	*			

----- FACTOR ANALYSIS -----

Variable	Communality	*	Factor	Eigenvalue	Pct of Var	Cum Pct
P1	,59479	*				
P2	,78819	*				
P4	,75142	*				
T1	,76356	*				
T2	,70411	*				
T4	,78377	*				
T5	,75486	*				
K1	,76640	*				
K2	,80441	*				
K3	,48945	*				
P1	,68891	*				
P2	,71420	*				
R1	,69866	*				
R2	,64837	*				
R3	,66902	*				

VARIMAX rotation 1 for extraction 1 in analysis 1 - Kaiser Normalization.

VARIMAX converged in 8 iterations.

Rotated Factor Matrix:

	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
2	,83260	-,03969	-,01680	-,07176	,04650
1	,78458	-,05816	,03259	,00644	-,07418
7	,76507	,11153	,07924	,06072	,14569
3	,75978	,01273	-,02376	-,10482	,03816
6	,70357	,20113	-,07310	,09695	-,00191
4	,04852	,85651	,10303	-,04919	,08118
5	,09895	,85097	-,01226	,05778	-,01397
1	-,01237	,81630	,12549	,07444	,08354
2	,06012	,80011	-,11450	,10019	,02851
3	-,12061	,09693	,87008	,07397	-,04812
4	,04382	-,00987	,85193	,13418	,21012
5	,05913	-,01996	,80454	-,18387	,01511
6	,02879	,28502	,37376	,22821	-,36181
7	-,03110	,02567	,06579	,85928	,02887
8	-,09505	,01386	-,06579	,84771	-,07273
9	,12013	,13497	,02918	,70770	,10899

----- FACTOR ANALYSIS -----

	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
B1	-,05819	,06133	,03804	,02970	,80546
B4	,01620	,15044	,08140	-,03475	,79649
B2	,32230	-,01152	,05170	,14102	,58882
R1	-,07639	,02055	-,06241	-,02341	-,08618
R3	,06382	,00081	-,05879	-,00807	,28669
R2	,13756	,06628	,06043	,07017	,18689
<2	-,07534	-,00031	,07516	-,03842	-,03875
<1	,05274	-,12961	-,05643	-,12447	-,01518
<3	-,03058	-,01378	,21195	-,14764	,16937
>2	,02517	-,13406	-,02521	-,07252	,15160
>1	-,13698	-,19630	-,02122	-,12638	,03609
>3	,05150	,27848	,31169	,12479	-,36902
.3	-,00139	,02196	,08836	,08819	-,12611
.2	-,00250	-,05466	,12816	,06132	,05030

	Factor 6	Factor 7	Factor 8	Factor 9
2	,02601	-,09897	-,06447	,13121
1	,03001	,00377	-,05356	-,12871
7	-,00211	,05116	,09059	-,13205
3	,06983	-,03473	-,07828	,06024
6	-,01648	,01672	,03278	,05548
1	-,04672	,06527	,02226	-,03217
5	-,04740	-,07512	-,07205	,06447
4	,03762	-,11276	-,11679	-,10655
2	,16905	-,03047	-,07898	,02467
.	,03361	,14535	-,01596	,07194
3	-,09880	-,00971	,02141	,14196
1	-,00110	,02192	,02129	,03562
2	-,08663	,19922	,35857	,02243
.	,05939	-,17148	-,09460	,03394
3	-,11708	,01407	-,00318	-,00633
1	,10719	-,12547	-,03868	,14084
.	,09228	-,01750	,12562	-,21861
3	,09746	,04890	,02514	,06648
1	,19593	,09436	-,02778	,05537



FACTOR ANALYSIS


	Factor 6	Factor 7	Factor 8	Factor 9
PR1	,82271	,05610	,01687	,01552
PR3	,76011	,01369	,00782	,03493
PR2	,75056	-,02835	-,08166	-,10365
PK2	,00103	,88744	,04199	-,02820
PK1	,19816	,82805	,00389	,05444
PK3	-,17832	,57791	-,10602	,12608
PP2	-,08214	-,05599	,80864	,05422
PP1	,03668	-,05613	,76788	,14055
DK3	,02924	,21770	,50663	-,03212
KA3	,00009	,08385	,01498	,84415
KA2	-,04338	,02419	,16107	,82862

Factor Transformation Matrix:

	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
actor 1	,59200	,66437	,15451	,24482	,24216
actor 2	-,45911	,41225	,58714	,22932	-,24030
actor 3	,45138	-,35323	,49966	-,30887	,13481
actor 4	-,47845	,07580	,08932	-,13366	,61670
actor 5	,00080	-,43798	,17140	,68757	,25433
actor 6	,03626	-,02968	-,27491	,33662	-,45359
actor 7	-,00037	,21915	-,29146	-,14967	-,03621
actor 8	-,02699	,11920	-,41739	,08646	,44146
actor 9	,06369	-,05664	-,09814	,39783	,13601

	Factor 6	Factor 7	Factor 8	Factor 9
actor 1	,20671	-,08269	-,12574	-,01792
actor 2	,24708	,18579	,16439	,20399
actor 3	,02386	,44365	,24660	,22370
actor 4	,55079	,20797	-,03085	-,10779
actor 5	,11464	-,35814	,11059	,29618
actor 6	,50304	,54006	-,10157	,21941
actor 7	,19006	-,19364	,84109	,24952
actor 8	-,48812	,35158	-,09470	,48750
actor 9	-,22741	,37086	,39554	-,67870



Lampiran 6  
Keluaran Program SPSS Versi 6 Untuk  
Analisa Multiple Regresi

## \* \* \* \* MULTIPLE REGRESSION \* \* \* \*

Mean Substituted for Missing Data

	Mean	Std Dev	Cases	Label
Z	66,620	5,510	100	
P1	4,510	,732	100	
P2	4,520	,797	100	
P3	4,560	,729	100	
P4	4,380	,838	100	
P5	4,420	,768	100	
P6	4,430	,742	100	
P7	4,700	,577	100	
P8	4,460	,771	100	
P9	4,390	,737	100	

1 of Cases encountered = 100

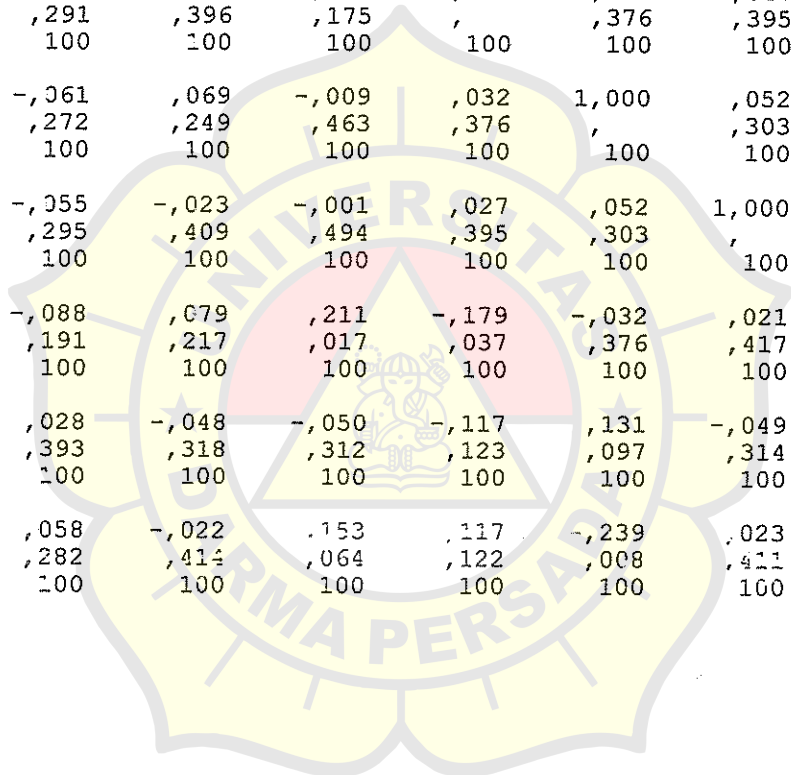
Minimum Pairwise N of Cases = 100



\*\*\* MULTIPLE REGRESSION \*\*\*

Correlation, 1-tailed Sig, N of Cases:

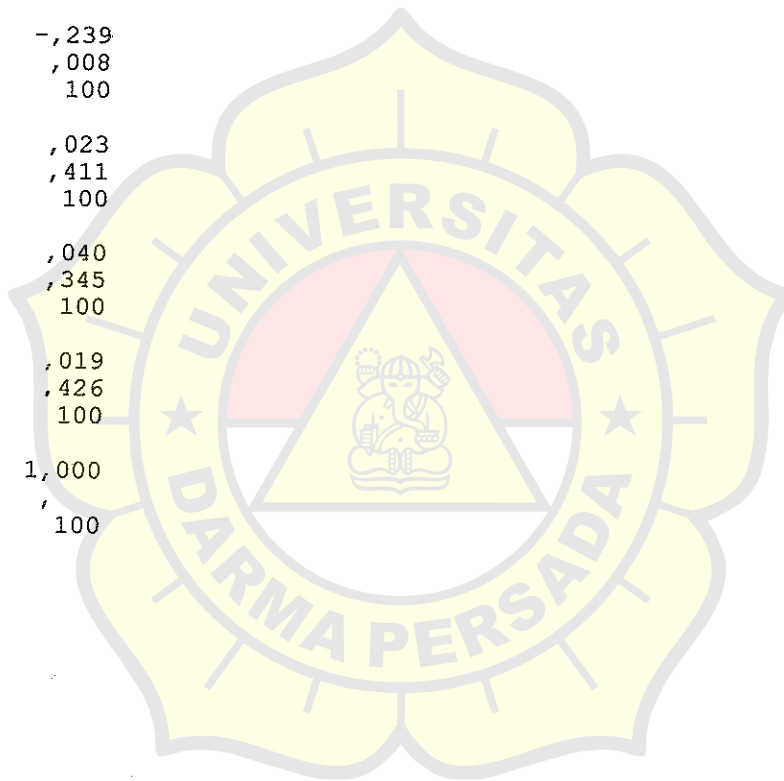
	Y	F1	F2	F3	F4	F5	F6	F7
1	1,000 ,209 100	-,082 ,209 100	,034 ,369 100	,126 ,105 100	-,034 ,368 100	,561 ,000 100	,401 ,000 100	,278 ,003 100
2	-,082 ,209 100	1,000 ,276 100	,060 ,276 100	-,105 ,149 100	-,056 ,291 100	-,061 ,272 100	-,055 ,295 100	-,088 ,191 100
3	,034 ,369 100	,060 ,276 100	1,000 ,063 100	,154 ,063 100	-,027 ,396 100	,069 ,249 100	-,023 ,409 100	,079 ,217 100
4	,126 ,105 100	-,105 ,149 100	,154 ,063 100	1,000 ,175 100	,095 ,175 100	-,009 ,463 100	-,001 ,494 100	,211 ,017 100
5	-,034 ,368 100	-,056 ,291 100	-,027 ,396 100	,095 ,175 100	1,000 ,376 100	,032 ,376 100	,027 ,395 100	-,179 ,037 100
6	,561 ,000 100	-,061 ,272 100	,069 ,249 100	-,009 ,463 100	,032 ,376 100	1,000 ,303 100	,052 ,303 100	-,032 ,376 100
7	,401 ,000 100	-,055 ,295 100	-,023 ,409 100	-,001 ,494 100	,027 ,395 100	,052 ,303 100	1,000 100	,021 ,417 100
8	,278 ,003 100	-,088 ,191 100	,079 ,217 100	,211 ,017 100	-,179 ,037 100	-,032 ,376 100	,021 ,417 100	1,000 100
9	,234 ,010 100	,028 ,393 100	-,048 ,318 100	-,050 ,312 100	-,117 ,123 100	,131 ,097 100	-,049 ,314 100	-,005 ,482 100
10	-,035 ,364 100	,058 ,282 100	-,022 ,414 100	,153 ,064 100	,117 ,122 100	-,239 ,008 100	,023 ,411 100	,040 ,345 100



```

* * * * M U L T I P L E   R E G R E S S I O N   * * * *
      F8      F9
Y      ,234   -,035
      ,010   ,364
      100    100
F1     ,028   ,058
      ,393   ,282
      100    100
F2     -,048  -,022
      ,318   ,414
      100    100
F3     -,050   ,153
      ,312   ,064
      100    100
F4     -,117   ,117
      ,123   ,122
      100    100
F5     ,131   -,239
      ,097   ,008
      100    100
F6     -,049   ,023
      ,314   ,411
      100    100
F7     -,005   ,040
      ,482   ,345
      100    100
F8     1,000   ,019
      ,      ,426
      ,      100
F9     ,019   1,000
      ,426   ,
      100    100

```



## \* \* \* \* M U L T I P L E R E G R E S S I O N \* \* \* \*

Equation Number 1    Dependent Variable..    Y

Descriptive Statistics are printed on Page    1

Block Number 1. Method: Enter

## Variable(s) Entered on Step Number

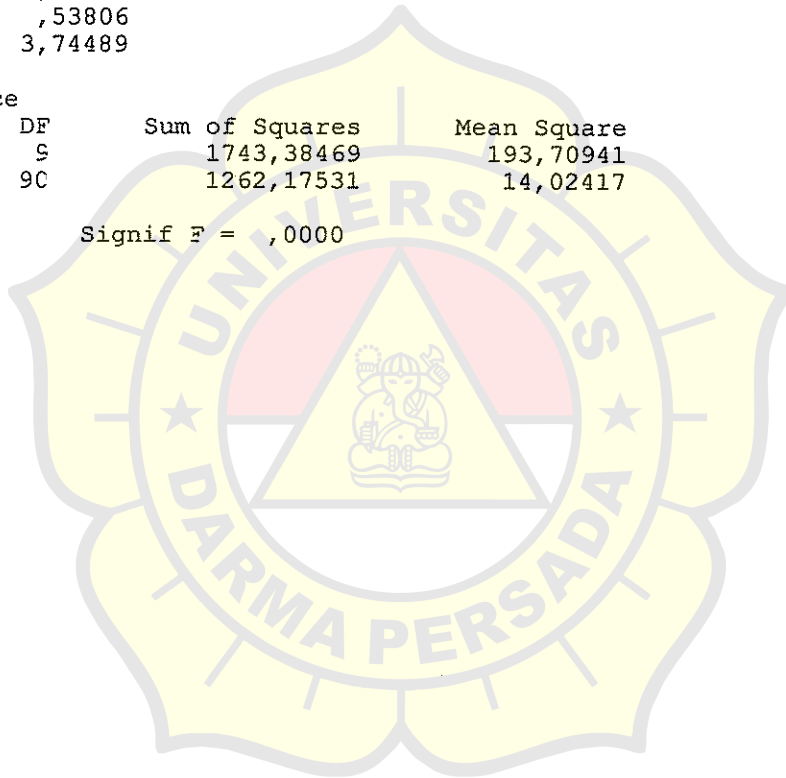
1..    F9  
 2..    F8  
 3..    F7  
 4..    F6  
 5..    F2  
 6..    F1  
 7..    F4  
 8..    F5  
 9..    F3

Multiple R                    ,76161  
 R Square                     ,58005  
 Adjusted R Square         ,53806  
 Standard Error            3,74489

## Analysis of Variance

	DF	Sum of Squares	Mean Square
Regression	9	1743,38469	193,70941
Residual	90	1262,17531	14,02417

F =            13,81254            Signif F =    ,0000



\* \* \* \* M U L T I P L E R E G R E S S I O N \* \* \* \*

Equation Number 1 Dependent Variable.. Y

----- Variables in the Equation -----

Variable	B	SE B	95% Confdnce	Intrvl B	Beta
F1	-,028694	,524599	-1,070902	1,013514	-,003810
F2	-,122350	,482684	-1,081285	,836586	-,017708
F3	,590004	,547259	-,497222	1,677229	,078082
F4	-,044426	,469356	-,976883	,888031	-,006759
F5	3,891392	,514946	2,868361	4,914422	,542250
F6	2,780392	,510198	1,766795	3,793988	,374439
F7	2,569870	,685308	1,208385	3,931354	,269281
F8	1,314495	,499684	,321785	2,307205	,183921
F9	,448819	,539577	-,623145	1,520783	,060043
(Constant)	15,378163	6,931646	1,607239	29,149087	

----- Variables in the Equation -----

Variable	Tolerance	VIF	T	Sig T
F1	,961674	1,040	-,055	,9565
F2	,956064	1,046	-,253	,8005
F3	,889560	1,124	1,078	,2839
F4	,915194	1,093	-,095	,9248
F5	,906230	1,103	7,557	,0000
F6	,988380	1,012	5,450	,0000
F7	,904881	1,105	3,750	,0003
F8	,954582	1,048	2,631	,0100
F9	,895507	1,117	,832	,4077
Constant)			2,219	,0290

Collinearity Diagnostics

Number	Eigenval	Cond Index	Variance Proportions					
			Constant	F1	F2	F3	F4	F5
1	9,78344	1,000	,00003	,00025	,00029	,00022	,00032	,00027
2	,03950	15,738	,00003	,00661	,01592	,01601	,34173	,11683
3	,03163	16,760	,00001	,06190	,01662	,01014	,25273	,26231
4	,03216	17,440	,00006	,02912	,42323	,07328	,01277	,00212
5	,02848	18,534	,00000	,20926	,07693	,03297	,11165	,00162
6	,02721	18,963	,00006	,27633	,00744	,14798	,00272	,00386
7	,02039	21,902	,00022	,17289	,39685	,18236	,03934	,14021
8	,01769	23,514	,00006	,04894	,01386	,15604	,06219	,35927
9	,01371	26,708	,00303	,02295	,00493	,35859	,04741	,01701
10	,00258	61,604	,99650	,17175	,04392	,02240	,12914	,09650

	F6	F7	F8	F9
1	,00027	,00014	,00028	,00025
2	,00014	,00261	,13067	,08921
3	,01681	,01131	,00324	,13764
4	,00586	,00652	,23595	,04717
5	,44152	,02337	,00687	,00642
6	,28764	,00707	,17174	,01527
7	,07039	,03093	,22008	,00353
8	,02429	,00992	,11083	,62233
9	,05452	,65227	,01837	,01523
10	,09856	,25584	,10198	,06293

nd Block Number 1 All requested variables entered.

\* \* \* \* \*

Block Number 2. Method: Backward Criterion POUT ,1000  
 F1 F2 F3 F4 F5 F6 F7 F8  
 F9

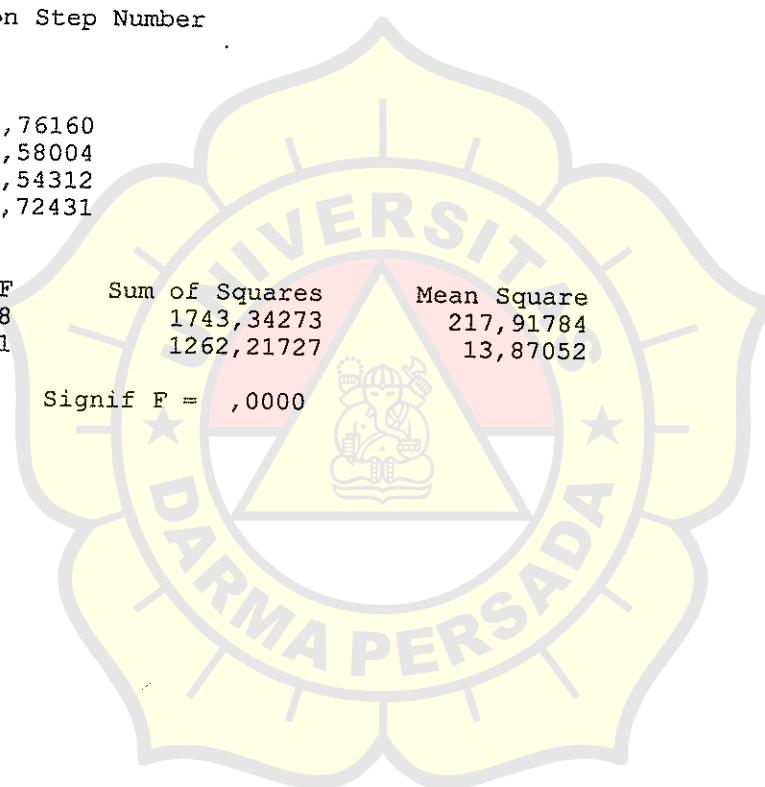
Variable(s) Removed on Step Number  
 10.. F1

Multiple R ,76160  
 Square ,58004  
 Adjusted R Square ,54312  
 Standard Error 3,72431

Analysis of Variance

	DF	Sum of Squares	Mean Square
Regression	8	1743,34273	217,91784
Residual	91	1262,21727	13,87052
Total			
Corrected Total			

F = 15,71086      Signif F = ,0000





\*\*\*\*\* MULTIPLE REGRESSION \*\*\*\*\*

Equation Number 1 Dependent Variable.. Y

----- Variables in the Equation -----

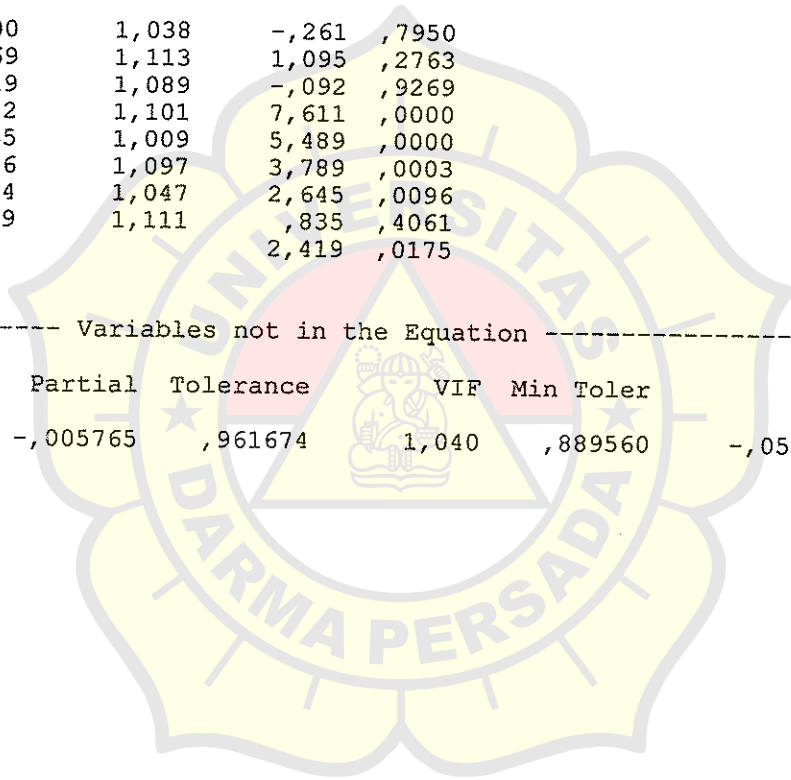
Variable	B	SE B	95% Confidence Interval B		Beta
2	-,124638	,478226	-1,074575	,825299	-,018039
3	,593034	,541457	-,482505	1,668572	,078483
4	-,042858	,465907	-,968324	,882608	-,006520
5	3,892803	,511474	2,876823	4,908783	,542447
6	2,781723	,506817	1,774992	3,788453	,374619
7	2,573068	,679059	1,224201	3,921934	,269616
8	1,313900	,496822	,327024	2,300775	,183838
9	,446668	,535186	-,616413	1,509749	,059755
Constant)	15,223343	6,292630	2,723806	27,722880	

----- Variables in the Equation -----

Variable	Tolerance	VIF	T	Sig T
:	,963300	1,038	-,261	,7950
:	,898769	1,113	1,095	,2763
:	,918619	1,089	-,092	,9269
:	,908512	1,101	7,611	,0000
:	,990635	1,009	5,489	,0000
:	,911516	1,097	3,789	,0003
:	,955034	1,047	2,645	,0096
Constant)	,900289	1,111	,835	,4061
			2,419	,0175

----- Variables not in the Equation -----

Variable	Beta In	Partial	Tolerance	VIF	Min Toler	T	Sig T
	-,003810	-,005765	,961674	1,040	,889560	-,055	,9565



Tollinearity Diagnostics

Tumber	Eigenval	Cond Index	Variance Constant	Proportions					
				F2	F3	F4	F5	F6	
1	8,80994	1,000	,00004	,00036	,00028	,00040	,00033	,00034	
2	,03937	14,959	,00004	,01696	,01246	,31220	,14339	,00002	
3	,03409	16,075	,00001	,05864	,04602	,32927	,21251	,00964	
4	,03186	16,630	,00010	,41403	,02925	,00161	,01479	,01158	
5	,02792	17,764	,00003	,02441	,00688	,07294	,00194	,71930	
6	,02191	20,054	,00000	,39249	,44502	,02515	,08916	,04112	
7	,01799	22,131	,00002	,00077	,12750	,07880	,41217	,05199	
8	,01388	25,191	,00502	,01670	,32124	,04468	,02501	,06307	
9	,00305	53,775	,99473	,07564	,01135	,13496	,10070	,10294	

	F7	F8	F9
1	,00017	,00034	,00031
2	,00300	,13033	,10049
3	,02498	,00081	,11386
4	,00032	,29401	,09500
5	,00405	,13789	,00283
6	,04415	,06362	,01598
7	,00212	,21344	,53396
8	,64685	,02882	,03863
9	,27436	,13074	,09894

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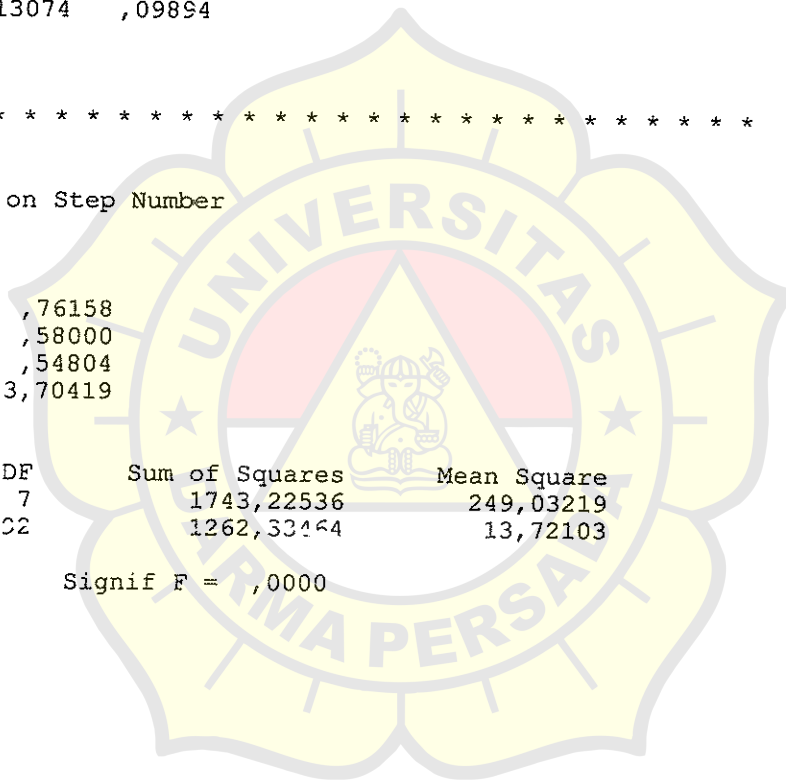
Variable(s) Removed on Step Number  
11.. F4

Multiple R ,76158  
Square ,58000  
Adjusted R Square ,54804  
Standard Error 3,70419

Analysis of Variance

	DF	Sum of Squares	Mean Square
Regression	7	1743,22536	249,03219
Residual	32	1262,33464	13,72103

F = 18,14967      Signif F = ,0000



## \* \* \* \* MULTIPLE REGRESSION \* \* \* \*

Equation Number 1 Dependent Variable.. Y

## ----- Variables in the Equation -----

Variable	B	SE B	95% Confidence Interval B		Beta
2	-,122988	,475307	-1,066990	,821013	-,017801
3	,587187	,534809	-,474990	1,649365	,077709
5	3,889305	,507302	2,881759	4,896852	,541960
6	2,780864	,503993	1,779890	3,781839	,374503
7	2,585844	,661112	1,272818	3,898870	,270955
8	1,319726	,490105	,346335	2,293117	,184653
9	,440504	,528106	-,608359	1,489368	,058930
Constant)	15,015116	5,839670	3,417027	26,613206	

## ----- Variables in the Equation -----

Variable	Tolerance	VIF	T	Sig T
2	,964657	1,037	-,259	,7964
3	,911324	1,097	1,098	,2751
5	,913561	1,095	7,667	,0000
6	,990971	1,009	5,518	,0000
7	,951310	1,051	3,911	,0002
8	,970813	1,030	2,693	,0084
9	,914626	1,093	,834	,4064
Constant)			2,571	,0117

## ----- Variables not in the Equation -----

Variable	Beta In	Partial Tolerance	VIF	Min Toler	T	Sig T
	-,003407	-,005166	,965272	1,036	,900530	-,049 ,9608
	-,006520	-,009643	,918619	1,089	,898769	-,092 ,9269

## Collinearity Diagnostics

Order	Eigenval	Cond Index	Variance Proportions						
			Constant	F2	F3	F5	F6	F7	
1	7,84394	1,000	,00007	,00046	,00036	,00042	,00043	,00022	
2	,03673	14,614	,00000	,00056	,05200	,32762	,00008	,00388	
3	,03186	15,690	,00011	,43950	,03318	,01002	,01517	,00083	
4	,02861	16,557	,00003	,06202	,00882	,00626	,64263	,00004	
5	,02225	18,776	,00000	,39819	,38217	,15882	,09538	,01714	
6	,01887	20,336	,00005	,00344	,17421	,35035	,06289	,04881	
7	,01427	23,449	,00391	,01809	,32086	,00177	,05815	,69883	
8	,00347	47,575	,99583	,07774	,02840	,14473	,12527	,23024	

	F8	F9
1	,00044	,00039
2	,08011	,23295
3	,28117	,08834
4	,22015	,00672
5	,09163	,00214
6	,16031	,50426
7	,05397	,00398
8	,11222	,16120

\* \* \* \* \*

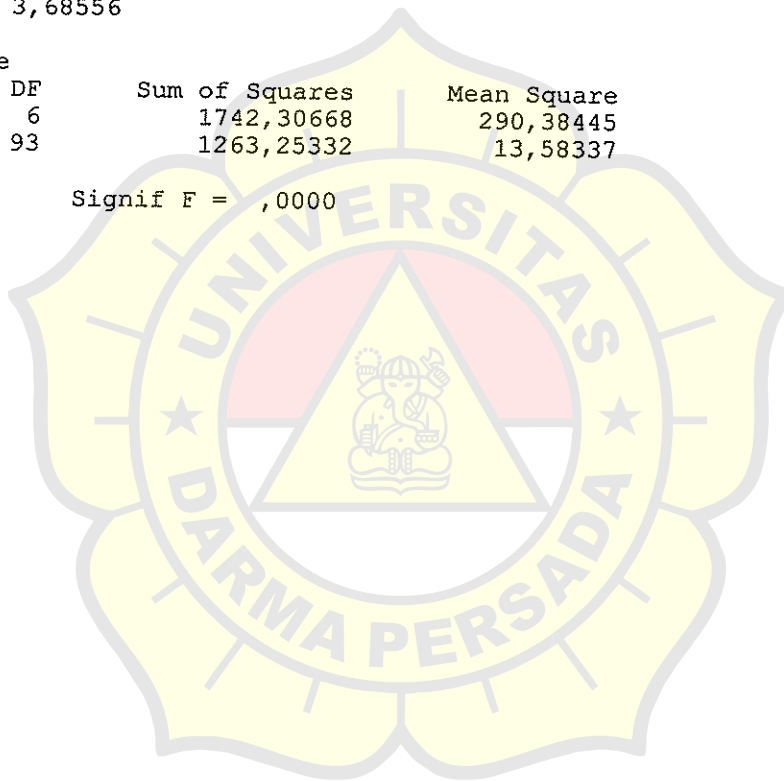
Variable(s) Removed on Step Number  
12.. F2

Multiple R . ,76138  
 Square ,57969  
 Adjusted R Square ,55258  
 Standard Error 3,68556

Analysis of Variance

	DF	Sum of Squares	Mean Square
Regression	6	1742,30668	290,38445
Residual	93	1263,25332	13,58337

F = 21,37794      Signif F = ,0000



\* \* \* \* MULTIPLE REGRESSION \* \* \* \*

Equation Number 1 Dependent Variable.. Y

----- Variables in the Equation -----

Variable	B	SE B	95% Confidence Interval B	Beta
3	,567612	,526769	-,478447 1,613670	,075118
5	3,879929	,503462	2,880154 4,879705	,540653
6	2,784806	,501230	1,789463 3,780148	,375034
7	2,576994	,656907	1,272508 3,881481	,270027
8	1,326226	,486999	,359142 2,293310	,185563
9	,444130	,525265	-,598942 1,487201	,059415
Constant)	14,569144	5,551475	3,545016 25,593272	

----- Variables in the Equation -----

Variable	Tolerance	VIF	T	Sig T
3	,929932	1,075	1,078	,2840
5	,918246	1,089	7,707	,0000
6	,991877	1,008	5,556	,0000
7	,953863	1,048	3,923	,0002
8	,973370	1,027	2,723	,0077
9	,915270	1,093	,846	,4000
Constant)			2,624	,0101

----- Variables not in the Equation -----

Variable	Beta In	Partial Tolerance	VIF	Min Toler	T	Sig T
	-,004955	-,007539	,972951	1,028	,911627	-,072 ,9425
	-,017801	-,026967	,964657	1,037	,911324	-,259 ,7964
	-,005827	-,008621	,919912	1,087	,900710	-,083 ,9343

Collinearity Diagnostics

Number	Eigenval	Cond Index	Variance Proportions					
			Constant	F3	F5	F6	F7	F9
1	6,87169	1,000	,00009	,00048	,00055	,00056	,00029	,00058
2	,03672	13,679	,00000	,05214	,32925	,00001	,00394	,07463
3	,02909	15,370	,00001	,00554	,02406	,37833	,00092	,48081
4	,02550	16,416	,00000	,35211	,08368	,36926	,02022	,11495
5	,01889	19,072	,00004	,14646	,38063	,06559	,04752	,16757
6	,01439	21,851	,00485	,39479	,00593	,05988	,65498	,05310
7	,00372	43,004	,99500	,04848	,17590	,12639	,27212	,10835

F9  
 1 ,00051  
 2 ,23978  
 3 ,04615  
 4 ,03512  
 5 ,50776  
 6 ,00455  
 7 ,16613

\*\*\*\*\*

Variable(s) Removed on Step Number  
 13.. F9

Multiple R ,75925  
 Square ,57646  
 Adjusted R Square ,55393  
 Standard Error 3,67997

Analysis of Variance

	DF	Sum of Squares	Mean Square
Regression	5	1732,59553	346,51911
Residual	94	1272,96447	13,54218

F = 25,58814      Signif F = ,0000

----- Variables in the Equation -----

Variable	B	SE B	95% Confidence Interval B	Beta
	,636859	,519574	-,394767 1,668485	,084283
	3,774451	,487022	2,807457 4,741445	,525955
	2,801941	,500060	1,809060 3,794822	,377341
	2,576622	,655910	1,274298 3,878947	,269988
	1,352051	,485303	,388470 2,315632	,189176
Constant)	16,479979	5,062973	6,427327 26,532630	

----- Variables in the Equation -----

Variable	Tolerance	VIF	T	Sig T
	,952967	1,049	1,226	,2234
	,978308	1,022	7,750	,0000
	,993501	1,007	5,603	,0000
	,953863	1,048	3,928	,0002
	,977213	1,023	2,786	,0065
Constant)			3,255	,0016

## \* \* \* \* \* M U L T I P L E R E G R E S S I O N \* \* \* \* \*

Equation Number 1 Dependent Variable.. Y

## ----- Variables not in the Equation -----

Variable	Beta In	Partial	Tolerance	VIF	Min Toler	T	Sig T
'1	-,001307	-,001984	,976839	1,024	,945555	-,019	,9848
'2	-,019323	-,029172	,965336	1,036	,934538	-,281	,7790
'4	,001681	,002497	,934783	1,070	,913788	,024	,9808
9	,059415	,087343	,915270	1,093	,915270	,846	,4000

## Collinearity Diagnostics

Number	Eigenval	Cond Index	Variance Proportions					
			Constant	F3	F5	F6	F7	F8
1	5,89841	1,000	,00015	,00066	,00080	,00076	,00040	,00079
2	,03121	13,748	,00026	,16176	,17563	,11230	,02113	,37185
3	,02728	14,704	,00014	,21756	,14799	,45445	,02357	,09995
4	,02437	15,558	,00013	,07308	,55916	,19539	,00003	,30673
5	,01442	20,227	,00647	,44483	,00243	,07020	,62034	,06602
6	,00431	36,980	,99285	,10210	,11398	,16690	,33453	,15466

\* \* \* \* \*

Variable(s) Removed on Step Number  
14.. F3Multiple R ,75478  
Square ,56969  
Adjusted R Square ,55158  
Standard Error 3,68969

## Analysis of Variance

	DF	Sum of Squares	Mean Square
Regression	4	1712,24048	428,06237
Residual	95	1293,31052	13,61376

F = 31,44328 Signif F = ,0000

\* \* \* \* M U L T I P L E R E G R E S S I O N \* \* \* \*

Equation Number 1 Dependent Variable.. Y

----- Variables in the Equation -----

Variable	B	SE B	95% Confidence Interval B	Beta
5	3,777059	,488304	2,807653 4,746464	,526319
6	2,796536	,501361	1,801209 3,791863	,376613
7	2,746528	,642788	1,470432 4,022625	,287792
8	1,322160	,485970	,357387 2,286932	,184994
Constant)	18,731233	4,730550	9,339903 28,122562	

----- Variables in the Equation -----

Variable	Tolerance	VIF	T	Sig T
5	,978327	1,022	7,735	,0000
6	,993578	1,006	5,578	,0000
7	,998456	1,002	4,273	,0000
8	,979687	1,021	2,721	,0077
Constant)			3,960	,0001

----- Variables not in the Equation -----

Variable	Beta In	Partial Tolerance	VIF	Min Toler	T	Sig T
	-,008609	-,013022	,984496	1,016	,974076	-,126 ,8998
	-,007417	-,011218	,984373	1,016	,972028	-,109 ,9136
	,084283	,125426	,952967	1,049	,952967	1,226 ,2234
	,012875	,019147	,951638	1,051	,951638	,186 ,8531
	,071187	,105100	,937942	1,066	,919923	1,025 ,3082

Collinearity Diagnostics

Number	Eigenval	Cond Index	Variance Proportions				
			Constant	F5	F6	F7	F8
1	4,92172	1,000	,00025	,00115	,00109	,00060	,00114
2	,02966	12,391	,00041	,05605	,46341	,00751	,39129
3	,02500	14,030	,00102	,81480	,01030	,02599	,25219
4	,01893	16,124	,01007	,00638	,35404	,44605	,20843
5	,00468	32,431	,98825	,12162	,17116	,51985	,14695

Block Number 2 POUT = ,100 Limits reached.



\* \* \* \* MULTIPLE REGRESSION \* \* \* \*

Equation Number 1      Dependent Variable..    Y

Model Coefficients Statistics:

	Min	Max	Mean	Std Dev	N
UNRESID	57.1817	74.3975	66.6200	4.1588	100
RESID	-9.2983	10.6310	.0000	3.6144	100
UNRESID	-2.2695	1.3702	.0000	1.0000	100
RESID	-2.5201	2.8813	.0000	.9796	100

Total Cases =        100

Shapiro-Wilk Test =    2.13424





Lampiran 7  
Tabel Statistik Distribusi r

LAMPIRAN A

Tabel A. TABEL r SATU-EKOR

db	Taraf Signifikansi				db	Taraf Signifikansi			
	1%	5%	15%	30%		1%	5%	15%	30%
1	0.985	0.929	0.814	0.649	21	0.327	0.275	0.219	0.157
2	0.981	0.770	0.640	0.485	22	0.320	0.269	0.214	0.154
3	0.776	0.663	0.542	0.404	23	0.313	0.263	0.210	0.150
4	0.695	0.590	0.479	0.353	24	0.307	0.258	0.205	0.147
5	0.634	0.536	0.433	0.317	25	0.301	0.253	0.201	0.144
6	0.586	0.495	0.399	0.290	26	0.295	0.248	0.198	0.141
7	0.548	0.462	0.371	0.270	27	0.290	0.244	0.194	0.139
8	0.516	0.434	0.349	0.253	28	0.285	0.239	0.191	0.136
9	0.489	0.411	0.330	0.237	29	0.280	0.235	0.187	0.134
10	0.465	0.392	0.314	0.227	30	0.275	0.231	0.184	0.132
11	0.445	0.374	0.294	0.214	60	0.239	0.201	0.160	0.114
12	0.428	0.358	0.277	0.201	80	0.194	0.165	0.131	0.095
13	0.414	0.345	0.263	0.194	120	0.139	0.117	0.093	0.066
14	0.397	0.334	0.257	0.192	tth	0.048	0.041	0.032	0.023
15	0.384	0.325	0.250	0.186					
16	0.373	0.310	0.250	0.180					
17	0.362	0.305	0.243	0.175					
18	0.352	0.296	0.237	0.170					
19	0.343	0.289	0.230	0.165					
20	0.335	0.282	0.225	0.161					

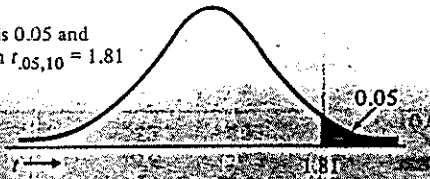
tth = tak terhitung.



Lampiran 8  
Tabel Statistik Distribusi t

TABLE VII

Example:  
If tail area is 0.05 and  
 $\nu = 10$ , then  $t_{.05,10} = 1.81$



THE STUDENT *t* DISTRIBUTION  
(Entries are *t* values for selected tail areas)

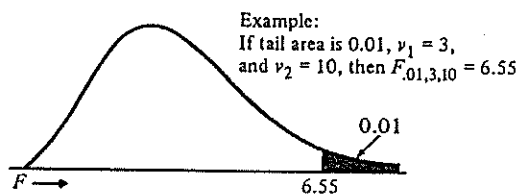
1.009  
2.37  
2.07  
1.90  
1.70  
.65  
.56  
.48  
.41  
.35  
.29  
23

Degrees of freedom $\nu$	Tail area					
	0.25	0.10	0.05	0.025	0.01	0.005
1	1.00	1.39	1.64	1.88	2.31	2.71
2	0.82	1.05	1.29	1.50	1.89	2.24
3	0.76	1.04	1.25	1.48	1.85	2.20
4	0.74	1.03	1.23	1.46	1.83	2.18
5	0.73	1.03	1.22	1.45	1.82	2.16
6	0.72	1.02	1.21	1.44	1.81	2.15
7	0.71	1.02	1.21	1.43	1.80	2.14
8	0.71	1.01	1.20	1.42	1.79	2.13
9	0.70	1.01	1.19	1.41	1.78	2.12
10	0.70	1.01	1.18	1.40	1.77	2.11
11	0.70	1.00	1.18	1.40	1.76	2.10
12	0.70	1.00	1.17	1.39	1.75	2.09
13	0.69	1.00	1.17	1.39	1.74	2.08
14	0.69	1.00	1.16	1.38	1.73	2.07
15	0.69	1.00	1.16	1.38	1.72	2.06
16	0.69	1.00	1.15	1.37	1.71	2.05
17	0.69	1.00	1.15	1.37	1.70	2.04
18	0.69	1.00	1.15	1.36	1.69	2.03
19	0.69	1.00	1.14	1.36	1.68	2.02
20	0.69	1.00	1.14	1.35	1.67	2.01
21	0.69	1.00	1.14	1.35	1.66	2.00
22	0.69	1.00	1.13	1.34	1.65	1.99
23	0.69	1.00	1.13	1.34	1.64	1.98
24	0.68	1.00	1.13	1.33	1.63	1.97
25	0.68	1.00	1.12	1.33	1.62	1.96
26	0.68	1.00	1.12	1.32	1.61	1.95
27	0.68	1.00	1.12	1.32	1.60	1.94
28	0.68	1.00	1.11	1.31	1.59	1.93
29	0.68	1.00	1.11	1.31	1.58	1.92
30	0.68	1.00	1.11	1.30	1.57	1.91
40	0.68	1.00	1.10	1.29	1.56	1.90
60	0.68	1.00	1.09	1.28	1.55	1.89
$\infty$	0.67	1.00	1.08	1.28	1.54	1.88

Lampiran 9  
Tabel Statistik Distribusi F



TABLE VIII



F VALUES FOR RIGHT-TAIL AREA OF 0.01

	Degrees of freedom for numerator										
	1	2	3	4	5	6	7	8	9	10	
Degrees of freedom for denominator	1	4052	5000	5403	5625	5764	5859	5928	5982	6022	6056
	2	98.5	99.0	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4
	3	34.1	30.8	29.5	28.7	28.2	27.9	27.7	27.5	27.3	27.2
	4	21.2	18.0	16.7	16.0	15.5	15.2	15.0	14.8	14.7	14.5
	5	16.3	13.3	12.1	11.4	11.0	10.7	10.5	10.3	10.2	10.1
	6	13.7	10.9	9.78	9.15	8.75	8.47	8.26	8.10	7.96	7.87
	7	12.2	9.55	8.45	7.85	7.46	7.19	6.99	6.84	6.72	6.62
	8	11.3	8.65	7.59	7.01	6.63	6.37	6.18	6.03	5.91	5.81
	9	10.6	8.02	6.99	6.42	6.06	5.80	5.61	5.47	5.35	5.26
	10	10.0	7.56	6.55	5.99	5.64	5.39	5.20	5.06	4.94	4.85
	11	9.65	7.21	6.22	5.67	5.32	5.07	4.89	4.74	4.63	4.54
	12	9.33	6.93	5.95	5.41	5.06	4.82	4.64	4.50	4.39	4.30
	13	9.07	6.70	5.74	5.21	4.86	4.62	4.44	4.30	4.19	4.10
	14	8.86	6.51	5.56	5.04	4.70	4.46	4.28	4.14	4.03	3.94
	15	8.68	6.36	5.42	4.89	4.56	4.32	4.14	4.00	3.89	3.80
	16	8.53	6.23	5.29	4.77	4.44	4.20	4.03	3.89	3.78	3.69
	17	8.40	6.11	5.19	4.67	4.34	4.10	3.93	3.79	3.68	3.59
	18	8.29	6.01	5.09	4.58	4.25	4.01	3.84	3.71	3.60	3.51
	19	8.19	5.93	5.01	4.50	4.17	3.94	3.77	3.63	3.52	3.43
	20	8.10	5.85	4.94	4.43	4.10	3.87	3.70	3.56	3.46	3.37
	21	8.02	5.78	4.87	4.37	4.04	3.81	3.64	3.51	3.40	3.31
	22	7.95	5.72	4.82	4.31	3.99	3.76	3.59	3.45	3.35	3.26
	23	7.88	5.66	4.76	4.26	3.94	3.71	3.54	3.41	3.30	3.21
	24	7.82	5.61	4.72	4.22	3.90	3.67	3.50	3.36	3.26	3.17
	25	7.77	5.57	4.68	4.18	3.86	3.63	3.46	3.32	3.22	3.13
30	7.56	5.39	4.51	4.02	3.70	3.47	3.30	3.17	3.07	2.98	
40	7.31	5.18	4.31	3.83	3.51	3.29	3.12	2.99	2.89	2.80	
60	7.08	4.98	4.13	3.65	3.34	3.12	2.95	2.82	2.72	2.63	
120	6.85	4.79	3.95	3.48	3.17	2.96	2.79	2.66	2.56	2.47	
∞	6.63	4.61	3.78	3.32	3.02	2.80	2.64	2.51	2.41	2.32	

Source: Extracted from M. Merrington and C. M. Thompson, "Tables of Percentage Points of the Inverted Beta (F) Distribution," *Biometrika*, vol. 33 (1943). Reprinted by permission of the *Biometrika* trustees.

TABLE VIII  
(Continued)  
F VALUES FOR RIGHT-TAIL AREA OF 0.05

	Degrees of freedom for numerator									
	1	2	3	4	5	6	7	8	9	10
1	161	200	216	225	230	234	237	239	241	242
2	18.5	19.0	19.2	19.2	19.3	19.3	19.4	19.4	19.4	19.4
3	10.1	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64
8	5.32	4.46	4.07	3.84	3.69	3.59	3.50	3.44	3.39	3.35
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99
120	3.92	3.07	2.68	2.45	2.29	2.18	2.09	2.02	1.96	1.91
$\infty$	3.84	3.00	2.60	2.37	2.21	2.10	2.01	1.94	1.88	1.83





TABLE A-6 Durbin-Watson test bounds  
Level of Significance  $\alpha = .05$

n	p - 1 = 1		p - 1 = 2		p - 1 = 3		p - 1 = 4		p - 1 = 5	
	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU
15	1.08	1.36	0.95	1.54	0.82	1.75	0.69	1.97	0.56	2.21
16	1.10	1.37	0.98	1.54	0.86	1.73	0.74	1.93	0.62	2.15
17	1.13	1.38	1.02	1.54	0.90	1.71	0.78	1.90	0.67	2.10
18	1.16	1.39	1.05	1.53	0.93	1.69	0.82	1.87	0.71	2.06
19	1.18	1.40	1.08	1.53	0.97	1.68	0.86	1.85	0.75	2.02
20	1.20	1.41	1.10	1.54	1.00	1.68	0.90	1.83	0.79	2.02
21	1.22	1.42	1.13	1.54	1.03	1.67	0.93	1.81	0.83	1.96
22	1.24	1.43	1.15	1.54	1.05	1.66	0.96	1.80	0.86	1.94
23	1.26	1.44	1.17	1.54	1.08	1.66	0.99	1.79	0.90	1.92
24	1.27	1.45	1.19	1.55	1.10	1.66	1.01	1.78	0.93	1.90
25	1.29	1.45	1.21	1.55	1.12	1.66	1.04	1.77	0.95	1.89
26	1.30	1.46	1.22	1.55	1.14	1.65	1.06	1.76	0.98	1.88
27	1.32	1.47	1.24	1.56	1.16	1.65	1.08	1.76	1.01	1.86
28	1.33	1.48	1.26	1.56	1.18	1.65	1.10	1.75	1.03	1.85
29	1.34	1.48	1.27	1.56	1.20	1.65	1.12	1.74	1.05	1.84
30	1.35	1.49	1.28	1.57	1.21	1.65	1.14	1.74	1.07	1.83
31	1.36	1.50	1.30	1.57	1.23	1.65	1.16	1.74	1.09	1.83
32	1.37	1.50	1.31	1.57	1.23	1.65	1.16	1.74	1.09	1.83
33	1.38	1.51	1.32	1.58	1.26	1.65	1.19	1.73	1.11	1.82
34	1.39	1.51	1.33	1.58	1.27	1.65	1.19	1.73	1.13	1.81
35	1.40	1.52	1.34	1.58	1.28	1.65	1.22	1.73	1.16	1.80
36	1.41	1.52	1.35	1.59	1.29	1.65	1.24	1.73	1.18	1.80
37	1.42	1.53	1.36	1.59	1.31	1.66	1.25	1.72	1.19	1.80
38	1.43	1.54	1.37	1.59	1.32	1.66	1.26	1.72	1.21	1.79
39	1.43	1.54	1.38	1.59	1.33	1.66	1.27	1.72	1.22	1.79
40	1.44	1.54	1.39	1.60	1.34	1.66	1.29	1.72	1.23	1.79
45	1.48	1.57	1.43	1.62	1.38	1.67	1.34	1.72	1.29	1.78
50	1.50	1.59	1.46	1.63	1.42	1.67	1.38	1.72	1.34	1.77
55	1.53	1.60	1.49	1.64	1.45	1.68	1.41	1.72	1.38	1.77
60	1.55	1.62	1.51	1.65	1.48	1.69	1.44	1.73	1.41	1.77
65	1.57	1.63	1.54	1.66	1.52	1.70	1.47	1.73	1.44	1.77
70	1.58	1.64	1.55	1.67	1.55	1.70	1.49	1.74	1.46	1.77
75	1.60	1.65	1.57	1.68	1.57	1.71	1.51	1.74	1.49	1.77
80	1.61	1.66	1.59	1.69	1.59	1.72	1.53	1.74	1.51	1.77
85	1.62	1.67	1.60	1.70	1.59	1.73	1.55	1.75	1.52	1.77
90	1.63	1.68	1.61	1.70	1.59	1.73	1.55	1.75	1.52	1.77
95	1.64	1.69	1.62	1.71	1.60	1.73	1.57	1.75	1.54	1.78
100	1.65	1.69	1.63	1.72	1.61	1.74	1.59	1.76	1.57	1.78

TABLE A-6 (concluded) Durbin-Watson test bounds  
Level of Significance  $\alpha = .01$

n	p - 1 = 1		p - 1 = 2		p - 1 = 3		p - 1 = 4		p - 1 = 5	
	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU
15	0.81	1.07	0.70	1.25	0.59	1.46	0.49	1.70	0.39	1.96
16	0.84	1.09	0.74	1.25	0.63	1.44	0.53	1.66	0.44	1.90
17	0.87	1.10	0.77	1.25	0.67	1.43	0.57	1.63	0.48	1.85
18	0.90	1.12	0.80	1.26	0.71	1.42	0.61	1.60	0.52	1.80
19	0.93	1.13	0.83	1.26	0.74	1.41	0.65	1.58	0.56	1.77
20	0.95	1.15	0.86	1.27	0.77	1.41	0.68	1.57	0.60	1.74
21	0.97	1.16	0.89	1.27	0.80	1.41	0.72	1.55	0.63	1.71
22	1.00	1.17	0.91	1.28	0.83	1.40	0.75	1.54	0.66	1.69
23	1.02	1.19	0.94	1.29	0.86	1.40	0.77	1.53	0.70	1.67
24	1.04	1.20	0.96	1.30	0.88	1.41	0.80	1.53	0.72	1.66
25	1.05	1.21	0.98	1.30	0.90	1.41	0.83	1.52	0.75	1.65
26	1.07	1.22	1.00	1.31	0.93	1.41	0.85	1.52	0.78	1.64
27	1.09	1.23	1.02	1.32	0.95	1.41	0.88	1.51	0.81	1.63
28	1.10	1.24	1.04	1.32	0.97	1.41	0.90	1.51	0.83	1.62
29	1.12	1.25	1.05	1.33	0.99	1.42	0.92	1.51	0.85	1.61
30	1.13	1.26	1.07	1.34	1.01	1.42	0.94	1.51	0.88	1.61
31	1.15	1.27	1.08	1.34	1.02	1.42	0.96	1.51	0.90	1.60
32	1.16	1.28	1.10	1.35	1.04	1.43	0.98	1.51	0.92	1.60
33	1.17	1.29	1.11	1.36	1.05	1.43	0.99	1.51	0.94	1.59
34	1.18	1.30	1.13	1.36	1.07	1.44	1.01	1.51	0.95	1.59
35	1.19	1.31	1.14	1.37	1.08	1.44	1.03	1.51	0.97	1.59
36	1.21	1.32	1.15	1.38	1.10	1.44	1.04	1.51	0.99	1.59
37	1.22	1.32	1.16	1.38	1.11	1.45	1.06	1.51	1.00	1.59
38	1.23	1.33	1.18	1.39	1.12	1.45	1.07	1.52	1.02	1.58
39	1.24	1.34	1.19	1.39	1.14	1.45	1.09	1.52	1.03	1.58
40	1.25	1.34	1.20	1.40	1.15	1.46	1.10	1.52	1.05	1.58
45	1.29	1.38	1.24	1.42	1.20	1.48	1.16	1.53	1.11	1.58
50	1.32	1.40	1.28	1.45	1.24	1.49	1.20	1.54	1.16	1.59
55	1.36	1.43	1.32	1.47	1.28	1.51	1.25	1.55	1.21	1.59
60	1.38	1.45	1.35	1.48	1.32	1.52	1.28	1.56	1.25	1.60
65	1.41	1.47	1.38	1.50	1.35	1.53	1.31	1.57	1.28	1.61
70	1.43	1.49	1.40	1.52	1.37	1.55	1.34	1.59	1.31	1.61
75	1.45	1.50	1.42	1.54	1.39	1.56	1.37	1.59	1.34	1.62
80	1.47	1.52	1.44	1.54	1.42	1.57	1.39	1.60	1.36	1.62
85	1.48	1.53	1.46	1.55	1.43	1.58	1.41	1.60	1.39	1.63
90	1.50	1.54	1.47	1.56	1.45	1.59	1.43	1.61	1.41	1.64
95	1.51	1.55	1.49	1.57	1.47	1.60	1.45	1.62	1.42	1.64
100	1.52	1.56	1.50	1.58	1.48	1.60	1.46	1.63	1.44	1.65

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