

Lampiran 1

Kwestioner untuk responden
pekerja shift malam
(kelompok perlakuan)

A. Karakteristik individu

1. Nama :
2. Umur :
3. Alamat :
4. Unit kerja :
5. Lama masa kerja :
6. Upah perbulan :
7. Anak ke dari saudara
8. Pekerjaan orang tua :

B. Penilaian adanya stres sebelum bekerja : jawaban ya atau tidak

(Goldberg DP, 1988)

1. apakah anda saat ini sedang merasakan kesedihan
2. apakah anda saat ini tidak dapat bekerja dengan baik
3. apakah anda merasa sulit untuk menentukan suatu pilihan
4. apakah anda merasa kurang enak badan
5. apakah anda merasa mendapatkan tekanan perasaan

6. apakah perasaan anda merasa sesak
7. apakah akhir akhir ini anda merasa tidak bisa tidur
8. apakah anda merokok yang melebihi kebiasaan anda
9. apakah anda saat ini sedang mempunyai masalah yang mengganggu pikiran
10. apakah anda sedang merasakan kecewa
11. apakah anda merasa putus asa
12. apakah anda merasa hidup anda tidak bahagia
13. apakah anda saat ini merasa kebingungan
14. apakah anda beberapa hari ini sedang minum obat.....

obat tersebut untuk menyembuhkan sakit apa.....(namanya obat)

obat tersebut beli sendiri atau dari dokter

C. Pertanyaan setelah akhir kerja shift malam

1. apakah anda bisa tidur pagi/siang setelah bekerja shift malam ... (ya/ tidak)

bila ya

2. mulai jam berapa biasanya anda tidur pagi

3. selama berapa jam biasanya anda tidur pagi.....

bila tidak

4. apakah anda mengalami kesulitan tidur pagi (ya/ tidak)

5. apakah anda biasa tidur sore sebelum berangkat kerja (ya/tidak)

bila ya

6. mulai jam berapa, sampai jam berapa anda tidur sore

Lampiran : 2

Kwestioner untuk responden

pekerja pagi (kontrol)

A. Karakteristik individu

1. Nama :
2. Umur :
4. Alamat :
3. masa kerja:
5. Unit kerja :
6. Upah perbulan :
7. Anak ke dari saudara
8. Pekerjaan orang tua :

B. Penilaian adanya stres sebelum bekerja : jawaban ya atau tidak

(Goldberg DP, 1988)

1. apakah anda saat ini sedang merasakan kesedihan
2. apakah anda saat ini tidak dapat bekerja dengan baik
3. apakah anda merasa sulit untuk menentukan suatu pilihan
4. apakah anda merasa kurang enak badan
5. apakah anda merasa mendapatkan tekanan perasaan
6. apakah perasaan anda merasa sesak
7. apakah akhir akhir ini anda merasa tidak bisa tidur
8. apakah anda merokok yang melebihi kebiasaan anda
9. apakah anda saat ini sedang mempunyai masalah yang mengganggu pikiran
10. apakah anda sedang merasakan kecewa

11. apakah anda merasa putus asa
12. apakah anda merasa hidup anda tidak bahagia
13. apakah anda saat ini merasa kebingungan
14. apakah anda beberapa hari ini sedang minum obat.....
obat tersebut untuk menyembuhkan sakit apa(namanya obat)
obat tersebut beli sendiri atau dari dokter

Lampiran 3 :

REKAPITULASI SELEKSI RESPONDEN

Nomor responden :

kelompok studi / kontrol

Nama responden :

Alamat :

Hasil Pemeriksaan :

1. wawancara dengan kwestioner : baik / jelek
2. anamnese kesehatan : sehat / sakit
3. pemeriksaan diagnose fisik : sehat / sakit
4. pemeriksaan darah lengkap : Hb : normal / tidak
leukosit : normal / tidak
5. pemeriksaan SGPT : normal / tidak
6. pemeriksaan serum kreatinin : normal / tidak
7. pemeriksaan albumin : normal / tidak
8. pemeriksaan urine lengkap : normal / tidak

Presensi 5 hari kerja : lengkap / tidak

Lampiran 4 : Cara Pengukuran laboratorium

Cortisol :

1. diperlukan serum 50 μ l yang dimasukkan dalam sampel well
2. ditambahkan reagen kortisol dan bersama dengan kontrol dan kalibrator, kemudian alat Tdx dijalankan
4. hasilnya dapat langsung dilihat pada monitor alat Tdx

Pemeriksaan

dengan menggunakan Flow Cytometry Technicon H-1

Yang diukur Darah lengkap, disini termasuk variabel tergantung neutrofil, basofil, eosinofil, monosit, total limfosit.

Pelaksanaan :

1. dibutuhkan sampel 1 ml darah + EDTA (diaduk pelan pelan ,kmd dimasukkan pada pipa penghisap TH-1 (0,5 ml)
2. Mesin TH-1 bekerja , hasil dapat dilihat dilayar monitor, kemudian dicetak.

Pemeriksaan NK sel

1. Alat yang perlu disediakan :

- a.pemusing dingin yg suhunya bisa diatur pada temp ruangan dan suhu 2 - 8 °C
- b.PH meter& kertas label + rak tabung.
- c.tabung pemusing (15 ml) , Ice water bath (0-4°C) , Vortex mixer, mikro pipet, pipet pasteur
- d. mikroskop flouresen yang mempunyai filter (excite = 488 nm dan Emits = 518 nm), obyek gelas dan cover glass

2.Cara penyiapan sediaan :

- a. membuat buffy coat

- 3 cc darah EDTA ditambah dulbecco's phosphat buffere salin (PBS dng serum) dng PH 7,2 - 7,4 kemudian dipusingkan dengan kecepatan 2000 rpm dengan temperatur ruang, selama 5 menit.
- b. pengambilan lapisan buffy coat dengan pipet pasteur dan ditempatkan pada tabung yang lain yang telah disiapkan dengan dulbecco's phosphat buffere salin (PBS dng serum) dng PH ; 7,2 - 7,4 sebanyak 2 x volume buffy coat
 - c. siapkan tabung 15 ml dng 2 ml ficoll-hypaque (FH) dng konsentrasi 1,077 gr/ml
 - d. tuangkan buffy coat yang telah ditambahkan PBS pelan pelan dng pipet pasteur pada dinding tabung yang berisi Ficol hypaque
 - e. tabung FH dng buffy coat dipusingkan dng kecepatan 3000 -4000 rpm selama 5 - 10 menit dalam temperatur ruang
 - f. buang lapisan paling atas yang berisi sisa plasma dan larutan PBS
 - g. ambil endapan suspensi sebanyak 100 mikroliter kemudian diberi reagens NK sel sebanyak 10 mikroliter.
 - h. diinkubasi dalam ice water bath selama 15 - 30 menit
 - i. dilakukan penghitungan dengan menggunakan mikroskop fluorescen

Cara penghitungan :

dihitung jumlah rata rata sel NK dibagi jumlah limfosit kemudian dikalikan dengan jumlah total limfosit dari hasil pemeriksaan darah lengkap.

Lampiran 5 :

Surat Persetujuan

Saya yang bertanda tangan dibawah ini, adalah karyawan PT Behaestex :

Nama :

Alamat :

Menerangkan bahwa setelah mengetahui tujuan + manfaat + akibat yang mungkin terjadi dari pengambilan darah untuk pemeriksaan laboratorium dan tujuan + manfaat penelitian yang dilakukan oleh dr. Tri Martiana, MS, maka saya menyatakan secara suka rela bersedia dilakukan pemeriksaan darah tersebut diatas.

Gresik, Maret 1998

yang memberi pernyataan

()

Lampiran 6 : HASIL PEMERIKSAAN LABORATORIUM UNTUK SELEKSI KESEHATAN

GROUP	KREAT	SGPT	ALBM	HBPRE	LEKOPRE
1	1.20	15.00	5.40	14.90	7.59
1	1.10	17.00	4.70	14.80	9.37
1	1.20	12.00	5.60	15.20	4.89
1	1.20	30.00	5.40	16.00	9.18
1	1.00	34.00	5.80	14.70	8.38
1	1.00	35.00	4.80	14.30	7.07
1	1.00	29.00	4.80	14.30	6.23
1	1.20	16.00	4.80	14.60	5.95
1	1.10	37.00	6.00	16.40	9.78
1	1.00	21.00	5.20	15.10	8.17
1	1.20	13.00	5.40	15.30	4.85
1	1.00	14.00	5.50	15.90	6.75
1	1.00	31.00	5.10	12.90	7.98
1	1.20	12.00	5.10	15.30	5.13
1	1.00	27.00	5.60	15.20	9.21
2	.90	10.00	5.50	13.60	6.86
2	1.00	18.00	4.00	14.40	6.08
2	1.10	19.00	3.10	14.00	6.91
2	1.40	16.00	5.80	14.50	7.82
2	1.10	14.00	5.40	15.60	5.88
2	1.00	15.00	5.40	14.70	9.18
2	1.40	30.00	5.10	14.90	7.39
2	1.00	44.00	5.50	15.00	11.32
2	.80	10.00	5.20	14.50	7.57
2	.80	12.00	5.30	14.20	6.20
2	.90	16.00	5.40	12.50	5.60
2	.90	10.00	5.00	14.90	7.78
2	.90	22.00	5.80	14.90	8.51
2	.90	19.00	5.30	15.20	7.10
2	1.10	23.00	5.50	15.60	7.31

Lampiran 7: HASIL PEMERIKSAAN LABORATORIUM KORTISOL, LIMFOSIT,
MONOSIT, NETROFIL, SEL NK PADA AWAL DAN AKHIR
PENGAMATAN

GROUP	KORT_POS	KORT_PRE	LYMP_POS	LYMP_PRE	MONO_POS	MONO_PRE	NKSELPOS	NKSELPRE
1	10.68	14.54	2.42	2.25	.29	.35	.3286	.6410
1	16.81	13.25	2.26	2.71	.44	.41	.6060	.6020
1	22.86	24.49	1.27	1.46	.27	.23	.1570	.1540
1	20.14	16.78	3.55	3.24	.55	.52	.4192	.8100
1	13.68	11.05	2.37	2.30	.54	.40	.3950	.2983
1	14.38	13.10	1.97	2.41	.47	.38	.3745	.3800
1	15.54	15.59	1.28	.99	.39	.38	.1639	.3045
1	12.57	13.51	2.44	1.72	.37	.31	.2217	.3492
1	21.74	26.28	1.60	1.11	.40	.35	.2995	.4556
1	11.92	11.67	1.89	1.75	.32	.34	.6236	.3760
1	12.77	15.83	1.58	1.60	.39	.28	.1965	.3400
1	11.41	18.61	2.01	1.87	.49	.40	.4517	.3656
1	12.72	11.95	1.96	1.71	.54	.31	.2573	.2990
1	12.02	17.17	1.88	1.92	.37	.25	.2944	.3763
1	12.65	14.53	2.44	2.65	.54	.42	.2720	.6800
2	15.90	15.90	2.28	2.48	.42	.41	.8220	.7430
2	10.91	10.11	1.82	1.65	.40	.26	.4570	.8200
2	12.41	9.61	1.70	1.85	.35	.38	.3532	.4755
2	9.41	5.32	1.75	2.09	.52	.62	.4569	.5664
2	8.52	10.90	1.30	1.38	.38	.35	.3553	.3883
2	7.81	9.67	2.91	2.11	.41	.29	.5040	.4580
2	8.56	11.18	3.98	2.62	.62	.37	1.3910	1.6300
2	15.23	7.75	2.62	3.30	.29	.44	.7892	.9140
2	12.40	13.32	1.80	2.12	.40	.51	.4900	.5045
2	6.20	6.58	2.45	2.55	.44	.44	.4116	.4982
2	6.78	8.12	1.33	1.17	.36	.24	.2570	.2054
2	9.34	11.26	1.88	2.21	.38	.30	.1744	.6172
2	12.53	16.66	2.52	2.33	.51	.34	.4317	.9475
2	14.67	19.18	2.50	1.17	.42	.67	.2019	.4430
2	12.21	16.87	2.25	2.47	.65	.37	.4660	.8177

Lampiran 8 : DAFTAR HASIL PENGHITUNGAN SELISIH ANTARA PEMERIKSAAN
LABORATORIUM AWAL DAN AKHIR PENGAMATAN

CORT	GROUP	KELOMPO	LYMP	MONO	NEUT	NKCELL
-3.86	1.00	1.00	.17	-.06	.38	-.31
3.56	1.00	2.00	-.45	.03	.43	.00
-1.63	1.00	1.00	-.19	.04	.33	.00
3.36	1.00	2.00	.31	.03	-.22	-.39
2.63	1.00	2.00	.07	.14	-.07	.10
1.28	1.00	2.00	-.44	.09	-1.70	-.01
-.05	1.00	1.00	.29	.01	1.68	-.14
-.94	1.00	1.00	.72	.06	.12	-.13
-4.54	1.00	1.00	.49	.05	3.08	-.16
.25	1.00	2.00	.14	-.02	.24	.25
-3.06	1.00	1.00	-.02	.11	-1.03	-.14
-7.20	1.00	1.00	.14	.09	-.56	.09
.77	1.00	2.00	.25	.23	-.01	-.04
-5.15	1.00	1.00	-.04	.12	-1.08	-.08
-1.88	1.00	1.00	-.21	.06	.47	-.41
.00	2.00	3.00	-.20	.01	.60	.08
.80	2.00	4.00	.17	.14	.03	-.36
2.80	2.00	4.00	-.15	-.03	1.08	-.12
4.09	2.00	4.00	-.34	-.10	.69	-.11
-2.38	2.00	3.00	-.08	.03	.74	-.03
-1.86	2.00	3.00	.80	.12	2.23	.05
-2.62	2.00	3.00	1.36	.25	.05	-.24
7.48	2.00	4.00	-.68	-.15	3.37	-.12
-.92	2.00	3.00	-.32	-.11	-.91	-.01
-.38	2.00	3.00	-.10	.00	-1.04	-.09
-1.34	2.00	3.00	.16	.12	.25	.05
-1.92	2.00	3.00	-.33	.08	.09	-.44
-4.13	2.00	3.00	.19	.17	1.12	-.52
-4.51	2.00	3.00	1.33	-.25	-.01	-.24
-4.66	2.00	3.00	-.22	.28	.04	-.35

Number of cases read: 30 Number of cases listed: 30

11 Dec 98 SPSS for MS WINDOWS Release 6.0

Lampiran 10 : HASIL UJI NORMALITAS UNTUK KELOMPOK KONTROL

- - - - - Kolmogorov - Smirnov Goodness of Fit Test

KORT_POS Kortisol post

Test distribution - Normal Mean: 10.8587
Standard Deviation: 3.0618

Cases: 15

Most extreme differences

Absolute	Positive	Negative	K-S Z	2-Tailed P
.14861	.14861	-.13719	.5756	.8949

- - - - - Kolmogorov - Smirnov Goodness of Fit Test

KORT_PRE Kortisol pre

Test distribution - Normal Mean: 11.4953
Standard Deviation: 4.0916

Cases: 15

Most extreme differences

Absolute	Positive	Negative	K-S Z	2-Tailed P
.18960	.18960	-.12582	.7343	.6536

- - - - - Kolmogorov - Smirnov Goodness of Fit Test

LYMP_POS Limfosit post

Test distribution - Normal Mean: 2.2060
Standard Deviation: .6834

Cases: 15

Most extreme differences

Absolute	Positive	Negative	K-S Z	2-Tailed P
.15000	.15000	-.09619	.5809	.8865

- - - - - Kolmogorov - Smirnov Goodness of Fit Test

LYMP_PRE Limfosit pre

Test distribution - Normal Mean: 2.0999
Standard Deviation: .5841

Cases: 15

Most extreme differences

Absolute	Positive	Negative	K-S Z	2-Tailed P
.15993	.11994	-.15993	.6194	.8376

- - - - - Kolmogorov - Smirnov Goodness of Fit Test

MONO_POS Monosit post

Test distribution - Normal Mean: .4367
Standard Deviation: .0988

Cases: 15

Most extreme differences				
Absolute	Positive	Negative	K-S Z	2-Tailed P
.23363	.23363	-.12359	.9048	.3861

- - - - - Kolmogorov - Smirnov Goodness of Fit Test

MONO_PRE Monosit pre

Test distribution - Normal Mean: .3993
Standard Deviation: .1231

Cases: 15

Most extreme differences				
Absolute	Positive	Negative	K-S Z	2-Tailed P
.17061	.17061	-.09785	.6608	.7752

- - - - - Kolmogorov - Smirnov Goodness of Fit Test

NEUT_POS Netrofil post

Test distribution - Normal Mean: 3.7580
Standard Deviation: .5424

Cases: 15

Most extreme differences				
Absolute	Positive	Negative	K-S Z	2-Tailed P
.15153	.15153	-.11618	.5869	.8812

- - - - - Kolmogorov - Smirnov Goodness of Fit Test

NEUT_PRE Netrofil pre

Test distribution - Normal Mean: 4.2773
Standard Deviation: .9506

Cases: 15

Most extreme differences				
Absolute	Positive	Negative	K-S Z	2-Tailed P
.22591	.22591	-.17816	.8750	.4282

- - - - - Kolmogorov - Smirnov Goodness of Fit Test

NKSELPOS

Group = 2

Test distribution - Normal Mean: .504080
Standard Deviation: .304118

Cases: 15

Most extreme differences				
Absolute	Positive	Negative	K-S Z	2-Tailed P
.30010	.30010	-.13917	1.1623	.1341

- - - - - Kolmogorov - Smirnov Goodness of Fit Test

NKSELPRE

Test distribution - Normal	Mean:	.668600
	Standard Deviation:	.338859

Cases: 15

Most extreme differences				
Absolute	Positive	Negative	K-S Z	2-Tailed P
.16028	.16028	-.13740	.6208	.8356

Lampiran 11 : ANALISA MULTIVARIATE UNTUK KELOMPOK PERLAKUAN DAN KONTROL

***** Analysis of Variance *****

30 cases accepted.
 0 cases rejected because of out-of-range factor values.
 0 cases rejected because of missing data.
 2 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- design 1 *****

EFFECT .. GROUP
 Multivariate Tests of Significance (S = 1, M = 1 1/2, N = 11)

Test Name	Value	Exact F	Hypoth. DF	Error DF	Sig. of F
Pillais	.08752	.46039	5.00	24.00	.802
Hotellings	.09591	.46039	5.00	24.00	.802
Wilks	.91248	.46039	5.00	24.00	.802
Roys	.08752				

Note.. F statistics are exact.

Eigenvalues and Canonical Correlations

Root No.	Eigenvalue	Pct.	Cum. Pct.	Canon Cor.
1	.096	100.000	100.000	.296

EFFECT .. GROUP (Cont.)
 Univariate F-tests with (1,28) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
CORT	1.59160	302.07863	1.59160	10.78852	.14753	.704
LYMP	.00432	6.54880	.00432	.23389	.01847	.893
MONO	.00588	.38107	.00588	.01361	.43205	.516
NKCELL	.03888	.95411	.03888	.03408	1.14100	.295
PMN	1.47408	34.69601	1.47408	1.23914	1.18960	.285

Estimates for CORT
 --- Individual univariate .9500 confidence intervals

GROUP

Parameter	Coeff.	Std. Err.	t-Value	Sig. t	Lower -95%	Upper
2	-.23033333	.59968	-.38409	.70381	-1.45872	.99806

Estimates for LYMP
 --- Individual univariate .9500 confidence intervals

* * * * * A n a l y s i s o f V a r i a n c e -- d e s i g n 1 * * * * *

Estimates for LYMP (Cont.)

GROUP

Parameter	Coeff.	Std. Err.	t-Value	Sig. t	Lower -95%	CL- Upper
2	-.01200000	.08830	-.13591	.89287	-.19287	.16887

Estimates for MONO

--- Individual univariate .9500 confidence intervals

GROUP

Parameter	Coeff.	Std. Err.	t-Value	Sig. t	Lower -95%	CL- Upper
2	.014000000	.02130	.65731	.51635	-.02963	.05763

Estimates for NKCELL

--- Individual univariate .9500 confidence intervals

GROUP

Parameter	Coeff.	Std. Err.	t-Value	Sig. t	Lower -95%	CL- Upper
2	.036000000	.03370	1.06818	.29456	-.03304	.10504

Estimates for PMN

--- Individual univariate .9500 confidence intervals

GROUP

Parameter	Coeff.	Std. Err.	t-Value	Sig. t	Lower -95%	CL- Upper
2	.221666667	.20324	1.09069	.28471	-.19464	.63798

Lampiran 12 :ANALISIS CLUSTER PADA KELOMPOK PERLAKUAN DAN KONTROL

***** QUICK CLUSTER *****

Initial Cluster Centers.

Cluster	CORT	LYMP	MONO	NKCELL
1	-7.2000	.1400	.0900	.0900
2	7.4800	-.6800	-.1500	-.1200

Cluster	NEUT
1	.5600
2	-3.3200

Convergence achieved due to no or small distance change.
 The maximum distance by which any center has changed is .2724
 Current iteration is 2

Minimum distance between initial centers is 15.2096

Iteration	Change in Cluster Centers	
	1	2
1	4.7772	5.4207
2	1.40E-01	2.78E-01

Case listing of Cluster membership.

Case ID	Cluster	Distance
1	1	1.226
2	2	.959
3	1	1.104
4	2	.968
5	2	.719
6	2	2.567
7	1	2.928
8	1	1.805
9	1	3.099
10	2	2.501
11	1	1.447
12	1	4.640
13	2	2.110
14	1	2.856
15	1	.924
16	1	2.700
17	2	1.981
18	2	.702
19	2	1.432

***** QUICK CLUSTER *****

Case ID	Cluster	Distance
20	1	.599
21	1	2.155
22	1	1.209
23	2	5.637
24	1	2.143
25	1	2.656
26	1	1.332
27	1	.955
28	1	1.980
29	1	2.231
30	1	2.080

Final Cluster Centers.

Cluster	CORT	LYMP	MONO	NKCELL
1	-2.6515	.1970	.0590	-.1510
2	2.7020	-.1120	.0360	-.0800

Cluster	NEUT
1	-.3205
2	-.3900

Distances between Final Cluster Centers.

Cluster	1	2
1	.0000	
2	5.3634	.0000

Analysis of Variance.

Variable	Cluster MS	DF	Error MS	DF	F	Prob
CORT	191.0664	1	4.021	28.0	47.5105	.000
LYMP	.6365	1	.211	28.0	3.0124	.094
MONO	.0035	1	.013	28.0	.2575	.616
NKCELL	.0336	1	.034	28.0	.9808	.330
NEUT	.0322	1	1.290	28.0	.0250	.876

***** QUICK CLUSTER *****

Number of Cases in each Cluster.

Cluster	unweighted cases	weighted cases
1	20.0	20.0
2	10.0	10.0
Missing		0

Valid cases 30.0 30.0

 Variables Saved into Working File.

QCL_1 (Cluster Number) QCL_2 (Distance)

 GROUP by QCL_1

GROUP	QCL_1		Row Total
	1	2	
1.00	9	6	15
	10.0	5.0	50.0%
2.00	11	4	15
	10.0	5.0	50.0%
Column Total	20	10	30
	66.7%	33.3%	100.0%

Chi-Square	Value	DF	Significance
Pearson	.60000	1	.43858
Continuity Correction	.15000	1	.59854
Likelihood Ratio	.60304	1	.43742
Mantel-Haenszel test for linear association	.58000	1	.44631

Minimum Expected Frequency - 5.000

Statistic	Value	ASE1	Val/ASE0	Approximate Significance
Pearson's R	-.14142	.18005	-.75593	.45600 *4
Spearman Correlation	-.14142	.18005	-.75593	.45600 *4

*4 VAL/ASE0 is a t-value based on a normal approximation, as is the significance

Number of Missing Observations: 0

Lampiran 10 : HASIL ANALISIS *MULTIVARIATE* DARI 4 KELOMPOK BARU
YANG TERBENTUK DARI ANALISIS *CLUSTERING*

***** Analysis of Variance *****

30 cases accepted.
0 cases rejected because of out-of-range factor values.
0 cases rejected because of missing data.
4 non-empty cells.

1 design will be processed.

***** Analysis of Variance -- design 1 *****

EFFECT .. KLP4
Multivariate Tests of Significance (S = 3, M = 1/2, N = 10)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.98925	2.36152	15.00	72.00	.008
Hotellings	2.63206	3.62640	15.00	62.00	.000
Wilks	.21911	2.98806	15.00	61.13	.001
Roys	.69002				

Eigenvalues and Canonical Correlations

Root No.	Eigenvalue	Pct.	Cum. Pct.	Canon Cor.
1	2.226	84.571	84.571	.831
2	.384	14.575	99.146	.527
3	.022	.854	100.000	.148

EFFECT .. KLP4 (Cont.)
Univariate F-tests with (3,26) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
CORT	202.98856	100.68167	67.66285	3.87237	17.47323	.000
LYMP	.79965	5.75347	.26655	.22129	1.20454	.328
MONO	.03766	.34929	.01255	.01343	.93440	.438
NKCELL	.09824	.89474	.03275	.03441	.95160	.430
NEUT	5.07968	31.09042	1.69323	1.19579	1.41600	.261

Estimates for CORT
--- Individual univariate .9500 confidence intervals

KLP4

Parameter	Coeff.	Std. Err.	t-Value	Sig. t	Lower -95%	CL- Upper
2	-3.2392235	.60404	-5.36257	.00001	-4.48085	-1.99759
3	1.88133207	.68734	2.73713	.01103	.46849	3.29418
4	-2.3409407	.57075	-4.10153	.00036	-3.51413	-1.16775

* * * * * A n a l y s i s o f V a r i a n c e -- d e s i g n 1 * * * * *

Estimates for LYMP

--- Individual univariate .9500 confidence intervals

KLP4

Parameter	Coeff.	Std. Err.	t-Value	Sig. t	Lower -95%	CL- Upper
2	.121136364	.14440	.83891	.40917	-.17568	.41795
3	-.04886364	.16431	-.29739	.76853	-.38660	.28888
4	.206590909	.13644	1.51418	.14204	-.07386	.48704

Estimates for MONO

--- Individual univariate .9500 confidence intervals

KLP4

Parameter	Coeff.	Std. Err.	t-Value	Sig. t	Lower -95%	CL- Upper
2	.012007576	.03558	.33750	.73845	-.06112	.08514
3	.042007576	.04048	1.03762	.30900	-.04121	.12522
4	.022310606	.03362	.66367	.51275	-.04679	.09141

Estimates for NKCELL

--- Individual univariate .9500 confidence intervals

KLP4

Parameter	Coeff.	Std. Err.	t-Value	Sig. t	Lower -95%	CL- Upper
2	-.01899621	.05694	-.33360	.74136	-.13604	.09805
3	.108226010	.06480	1.67027	.10686	-.02496	.24142
4	-.03495581	.05380	-.64968	.52160	-.14555	.07564

Estimates for NEUT

--- Individual univariate .9500 confidence intervals

KLP4

Parameter	Coeff.	Std. Err.	t-Value	Sig. t	Lower -95%	CL- Upper
2	.098181818	.33567	.29250	.77223	-.59179	.78815
3	.618181818	.38195	1.61848	.11763	-.16693	1.40330
4	.115454545	.31716	.36402	.71878	-.53648	.76739

Lampiran 14 : ANALISIS DISKRIMINAN

```

-> DISCRIMINANT
-> /GROUPS=klp4(1 4)
-> /VARIABLES=cort mono neut lymf
-> /ANALYSIS ALL
-> /METHOD=WILKS
-> /PIN= .2
-> /POUT= .25
-> /PRIORS SIZE
-> /HISTORY STEP END
-> /STATISTICS=UNIVF COEFF RAW
-> /CLASSIFY=NONMISSING POOLED .

```

- - - - - D I S C R I M I N A N T A N A L Y S I S - - - - -

On groups defined by KLP4

```

30 (Unweighted) cases were processed.
 0 of these were excluded from the analysis.
30 (Unweighted) cases will be used in the analysis.

```

Number of cases by group

KLP4	Number of cases		Label
	Unweighted	Weighted	
1	9	9.0	
2	6	6.0	
3	11	11.0	
4	4	4.0	
Total	30	30.0	

Wilks' Lambda (U-statistic) and univariate F-ratio
with 3 and 26 degrees of freedom

Variable	Wilks' Lambda	F	Significance
CORT	.33155	17.4732	.0000
MONO	.90268	.9344	.4382
NEUT	.84982	1.5315	.2299
LYMP	.87797	1.2045	.3277

----- DISCRIMINANT ANALYSIS -----

On groups defined by KLP4

Analysis number 1

Stepwise variable selection

Selection rule: minimize Wilks' Lambda
 Maximum number of steps..... 8
 Minimum tolerance level..... .00100
 Maximum significance of F to enter..... .20000
 Minimum significance of F to remove..... .25000

Canonical Discriminant Functions

Maximum number of functions..... 3
 Minimum cumulative percent of variance... 100.00
 Maximum significance of Wilks' Lambda... 1.0000

Prior probabilities

Group	Prior	Label
1	.30000	
2	.20000	
3	.36667	
4	.13333	
Total	1.00000	

----- Variables not in the Analysis after Step 0 -----

Variable	Tolerance	Minimum Tolerance	Signif. of F to Enter	Wilks' Lambda
CORT	1.0000000	1.0000000	.0000020	.3315493
MONO	1.0000000	1.0000000	.4381741	.9026771
NEUT	1.0000000	1.0000000	.2298926	.8498247
LYMP	1.0000000	1.0000000	.3277120	.8779746

At step 1, CORT was included in the analysis.

Wilks' Lambda	Signif. of F	Degrees of Freedom	Signif. Between Groups
.33155	1	3	26.0
Equivalent F	17.47323	3	26.0 .0000

----- Variables in the Analysis after Step 1 -----

Variable	Tolerance	Signif. of F to Remove	Wilks' Lambda
CORT	1.0000000	.0000	

----- Variables not in the Analysis after Step 1 -----

Variable	Tolerance	Minimum Tolerance	Signif. of F to Enter	Wilks' Lambda
MONO	.8985756	.8985756	.3851960	.2942475
NEUT	.9198288	.9198288	.1778925	.2733593
LYMP	.9189506	.9189506	.8627723	.3230862

At step 2, NEUT was included in the analysis.

Wilks' Lambda	Equivalent F	Degrees of Freedom	Signif. Between Groups
.27336	7.60533	2 3	26.0
		6	50.0 .0000

----- Variables in the Analysis after Step 2 -----

Variable	Tolerance	Signif. of F to Remove	Wilks' Lambda
CORT	.9198288	.0000	.8498247
NEUT	.9198288	.1779	.3315493

----- Variables not in the Analysis after Step 2 -----

Variable	Tolerance	Minimum Tolerance	Signif. of F to Enter	Wilks' Lambda
MONO	.8985737	.8335117	.4866702	.2474580
LYMP	.8587113	.8092556	.6978743	.2578250

F level or tolerance or VIN insufficient for further computation.

Summary Table

Step	Action	Vars	Wilks' Lambda	Sig.	Label
1	CORT	1	.33155	.0000	
2	NEUT	2	.27336	.0000	

Classification function coefficients
(Fisher's linear discriminant functions)

KLP4	=	1	2	3	4
CORT		-.9366527	.5859878	-.6717540	.8809972
NEUT		.7853508	-.4797822	.5773918	.6213353
(Constant)		-2.8250271	-2.2412768	-1.8410438	-4.0870320

Canonical Discriminant Functions

Fcn	Eigenvalue	Pct of Variance	Cum Pct	Canonical Corr	After Fcn	Wilks' Lambda	Chi-square	df	Sig
1*	2.1225	92.52	92.52	.8245	0	.273359	33.721	6	.0000
2*	.1716	7.48	100.00	.3827	1	.853563	4.117	2	.1277

* Marks the 2 canonical discriminant functions remaining in the analysis.

Standardized canonical discriminant function coefficients

	Func 1	Func 2
CORT	1.04129	-.05359
NEUT	-.24344	1.01385

Structure matrix:

Pooled within-groups correlations between discriminating variables
and canonical discriminant functions
(Variables ordered by size of correlation within function)

	Func 1	Func 2
CORT	.97236*	.23348
LYMP	-.33413*	.17218
MONO	-.30935*	-.07570
NEUT	.05139	.99868*

* denotes largest absolute correlation between each variable and any discriminant function.

Unstandardized canonical discriminant function coefficients

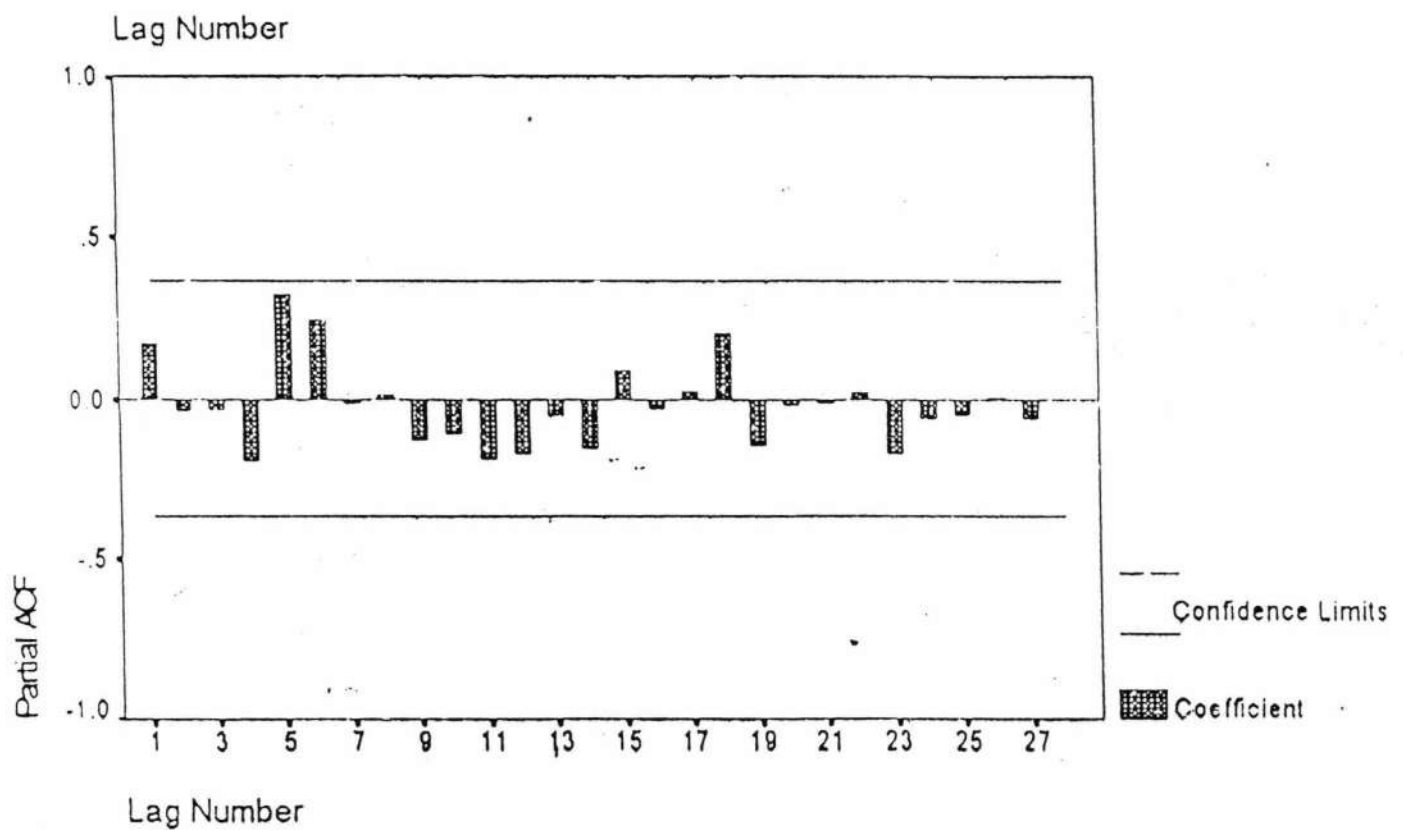
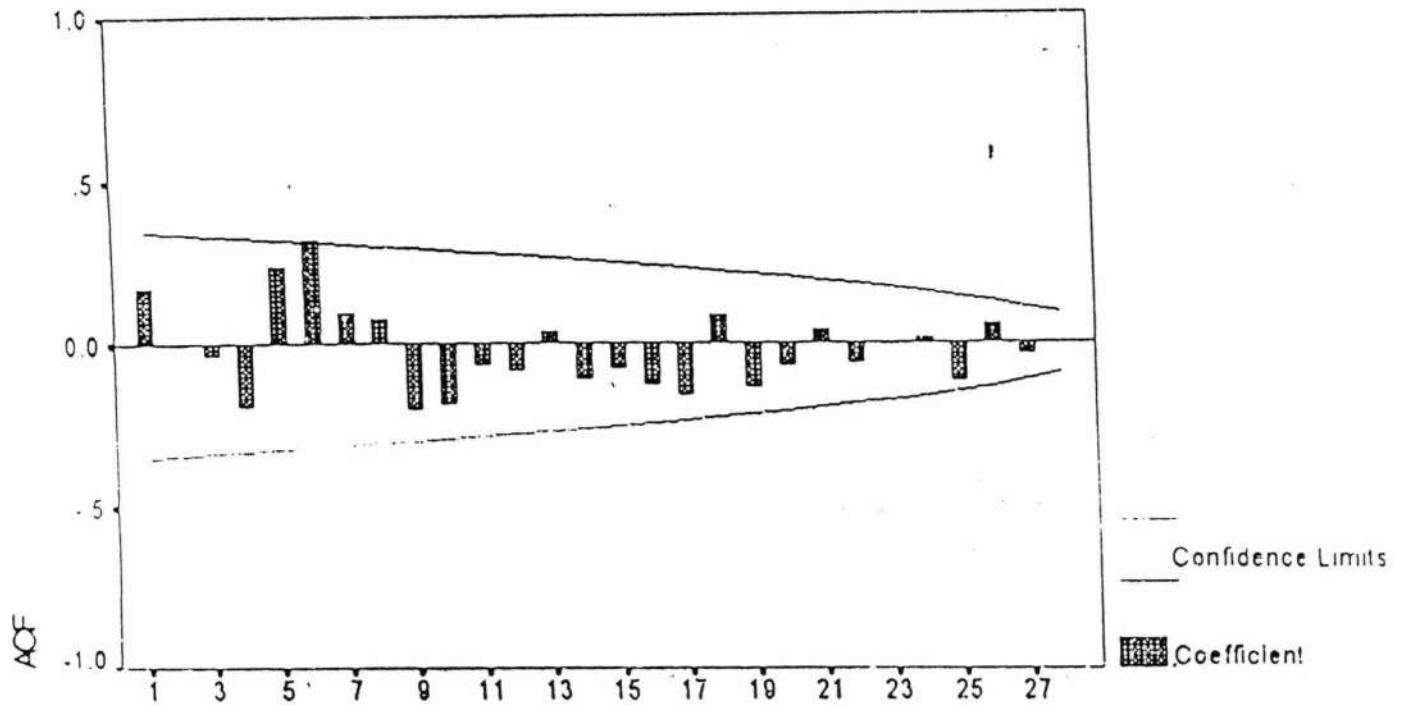
	Func 1	Func 2
CORT	.5291559	-.0272313
NEUT	-.2212336	.9213583
(Constant)	.5353987	-.3427066

Canonical discriminant functions evaluated at group means (group centroids)

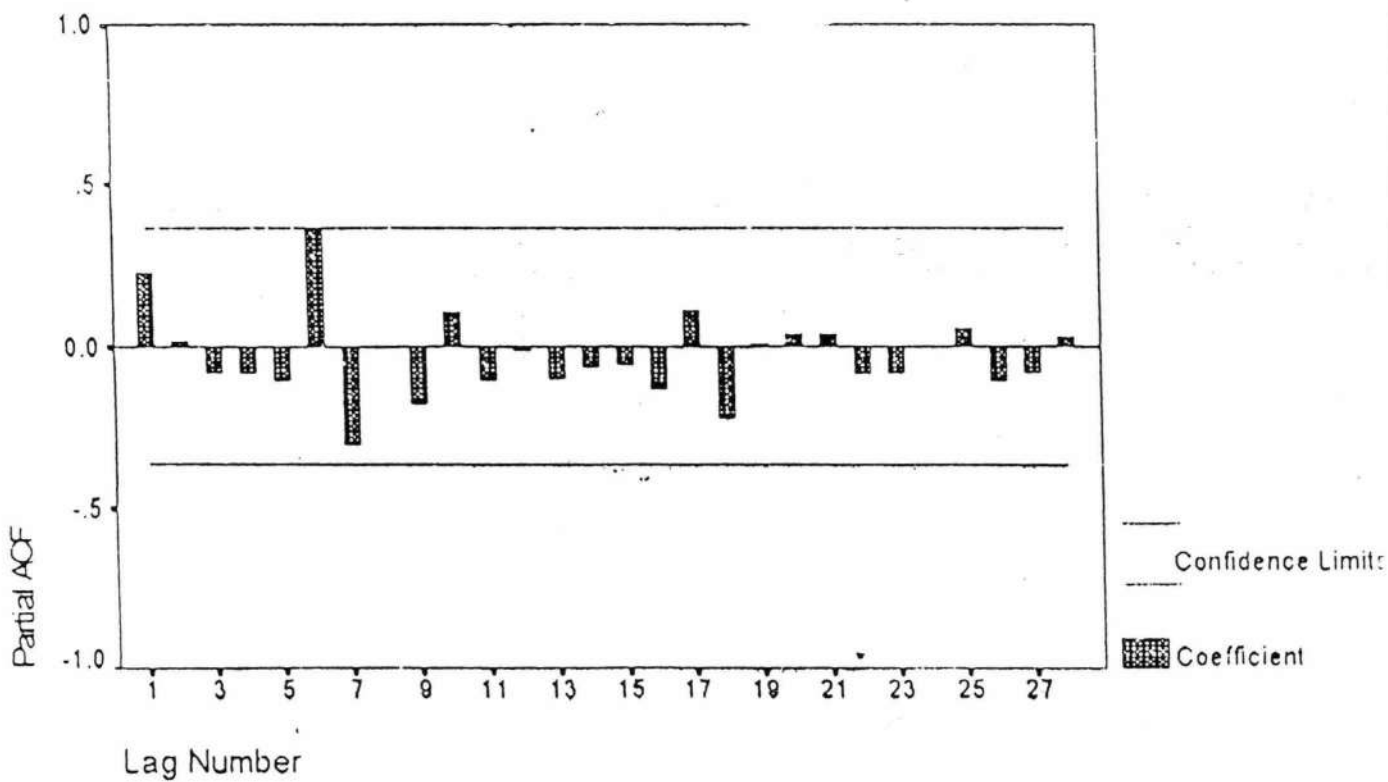
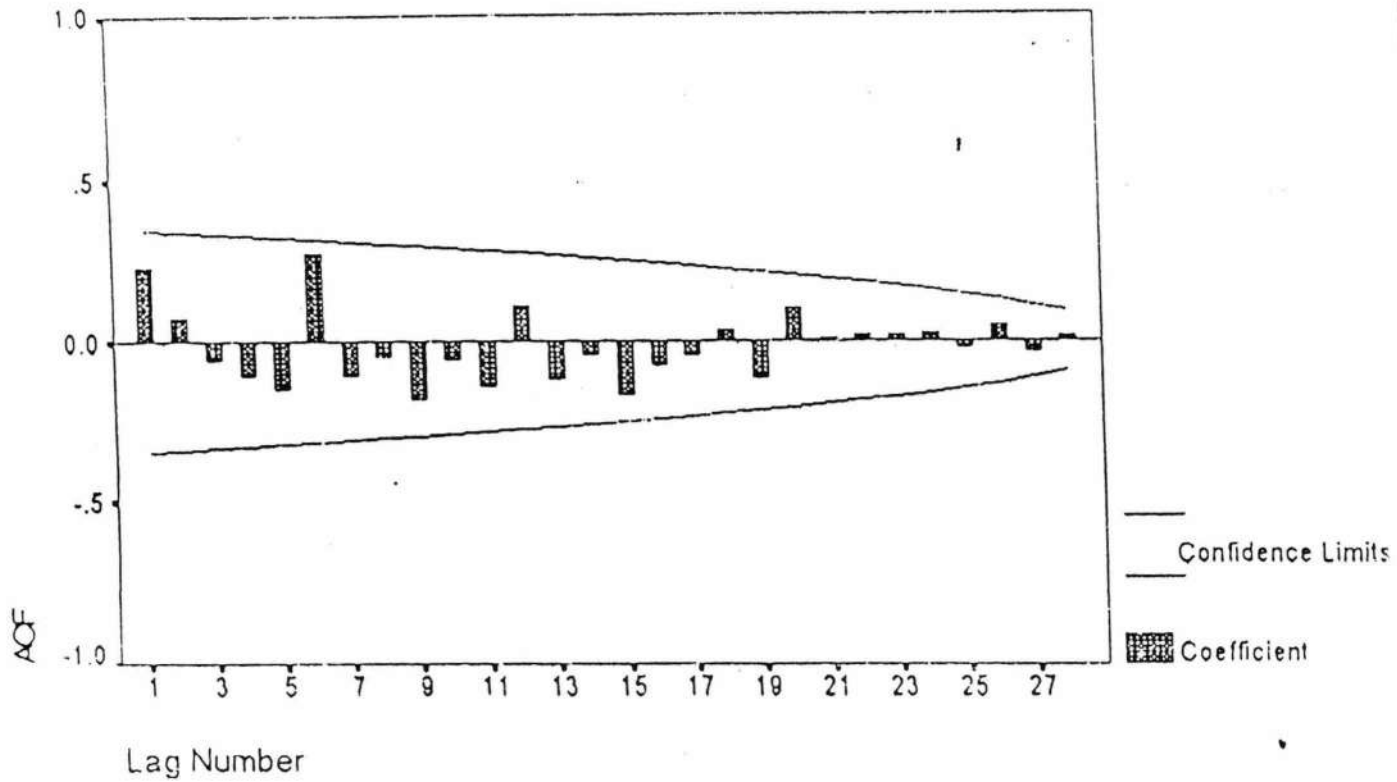
Group	Func 1	Func 2
1	-1.21242	.09000
2	1.62952	-.60072
3	-.71731	-.01683
4	2.25628	.74487

Lampiran 15 : UJI KEACAKAN DATA MENGGUNAKAN ANALISIS TIME SERIES

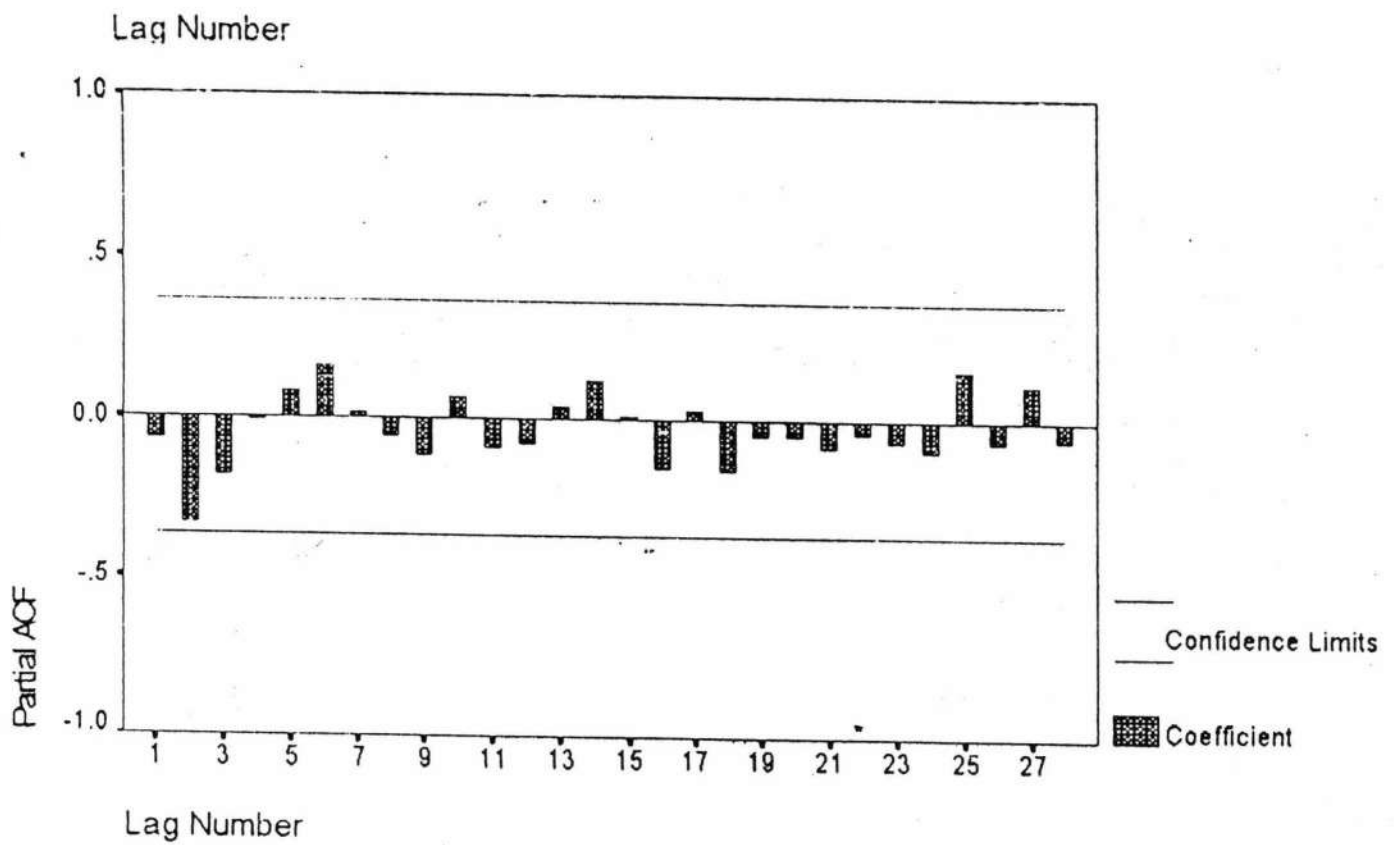
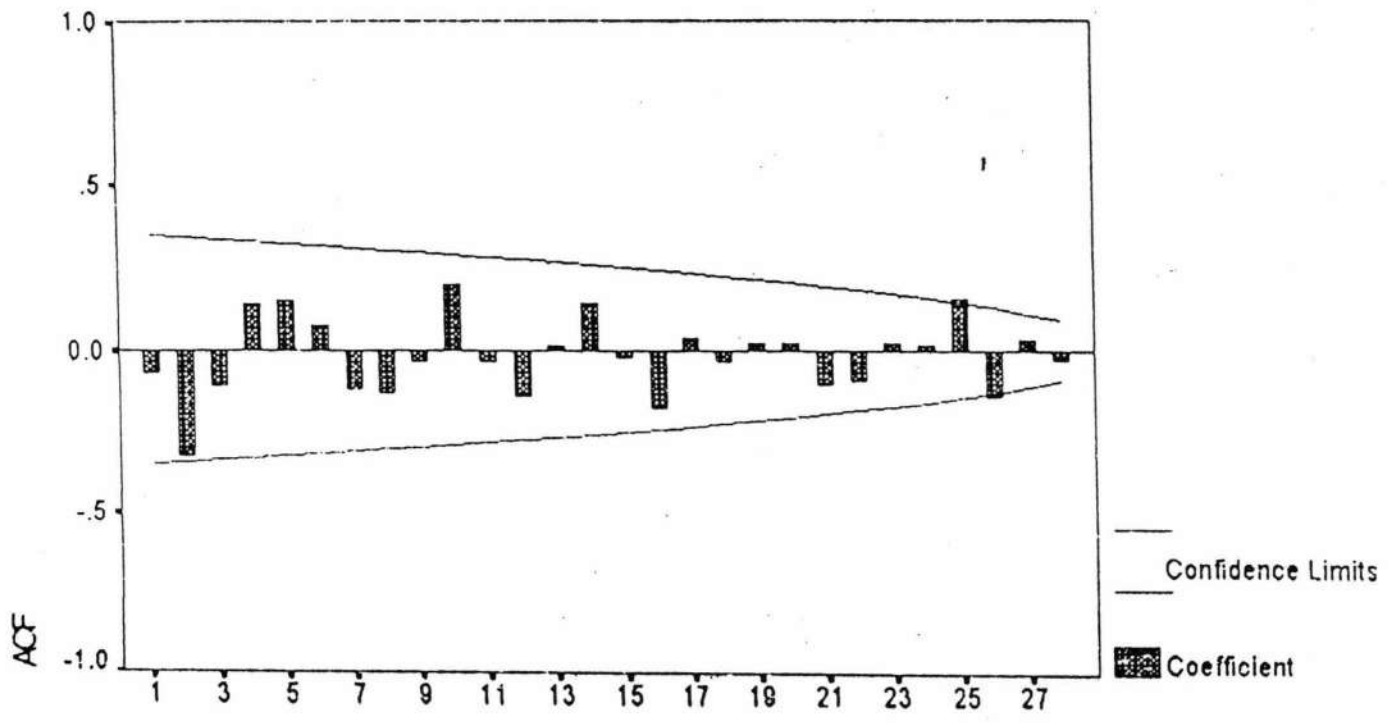
1. Sel NK pada pemeriksaan awal



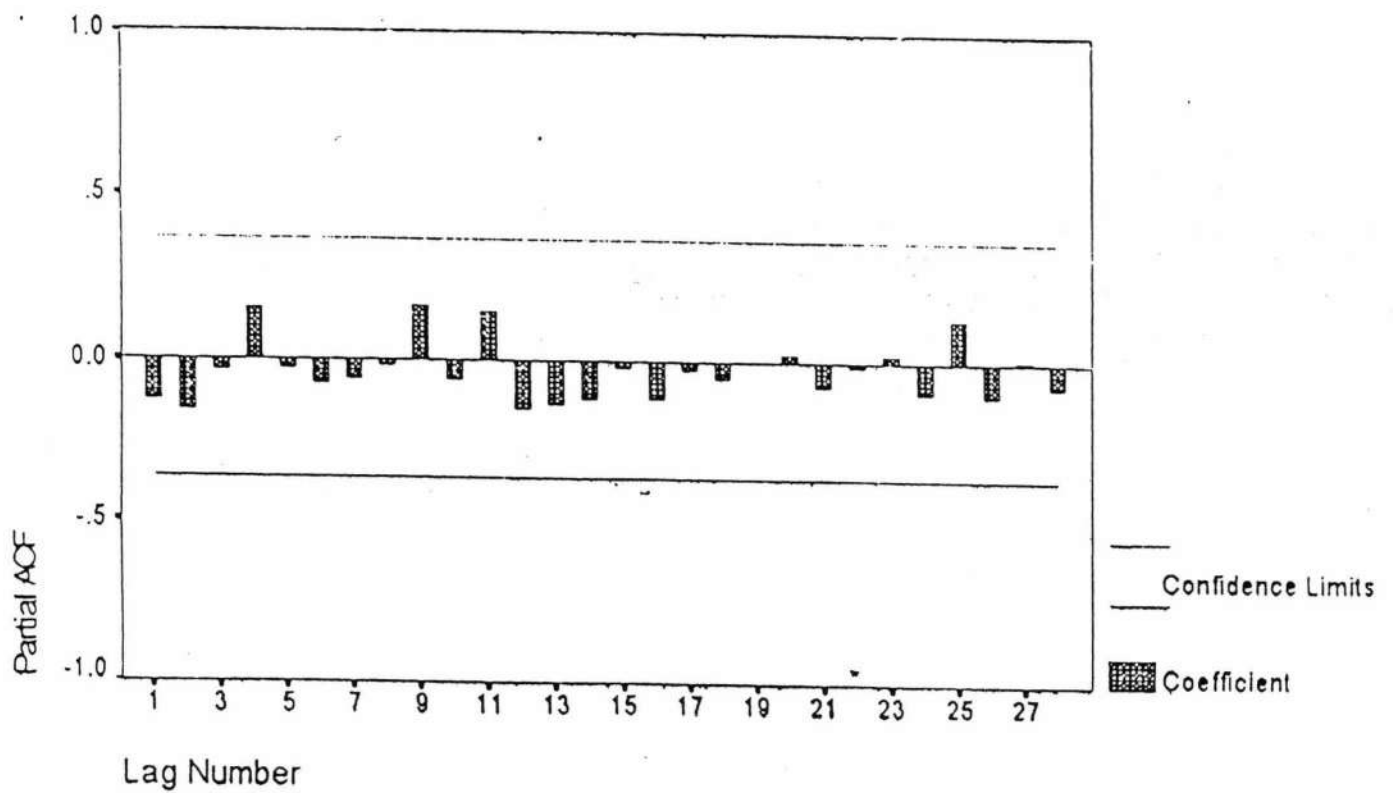
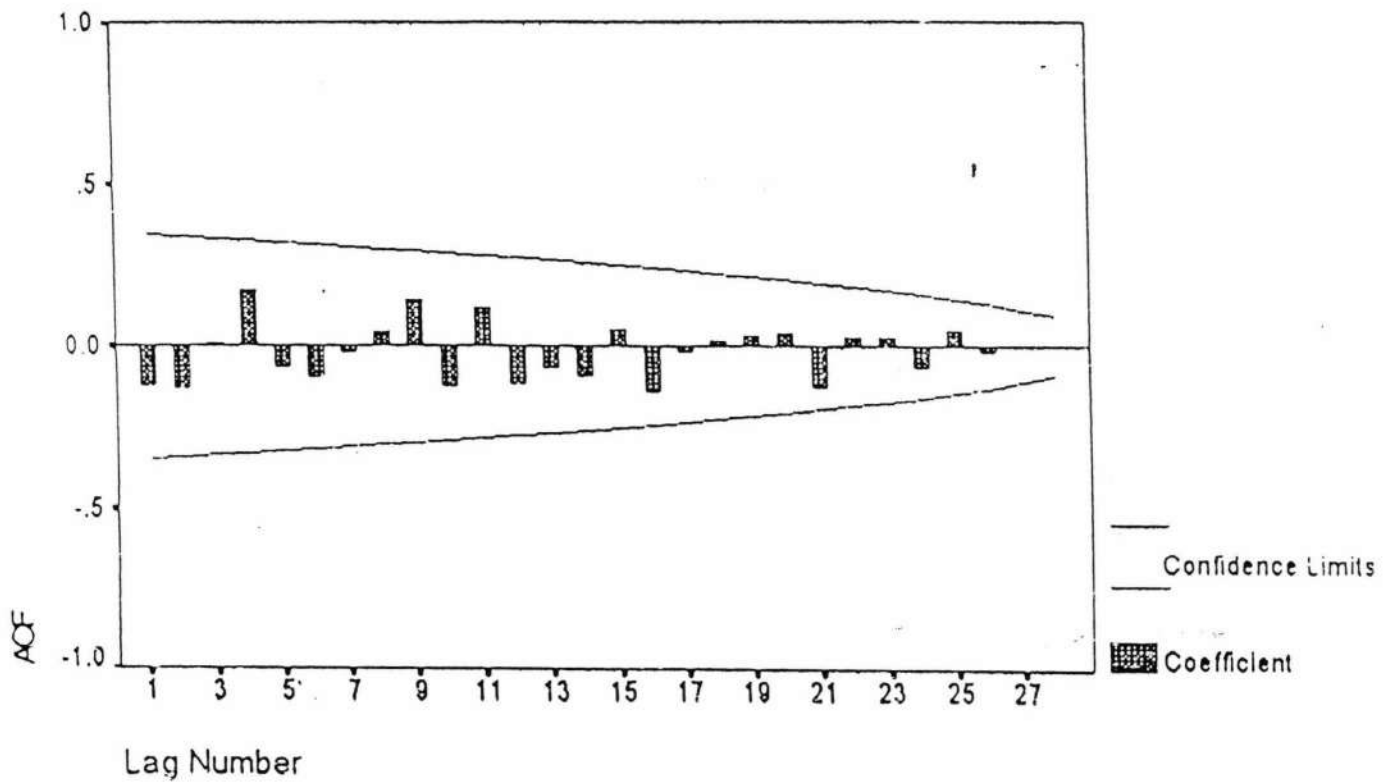
2. Sel NK pada pemeriksaan akhir



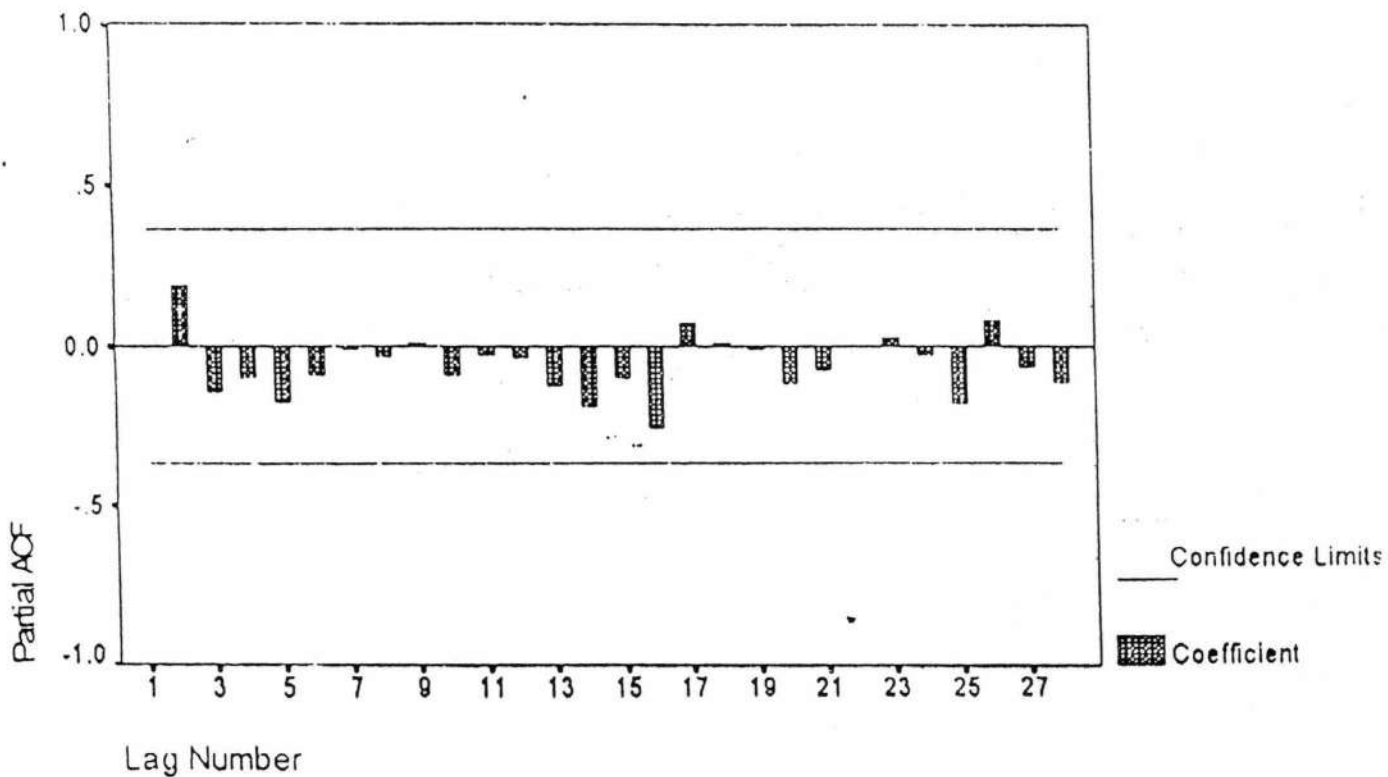
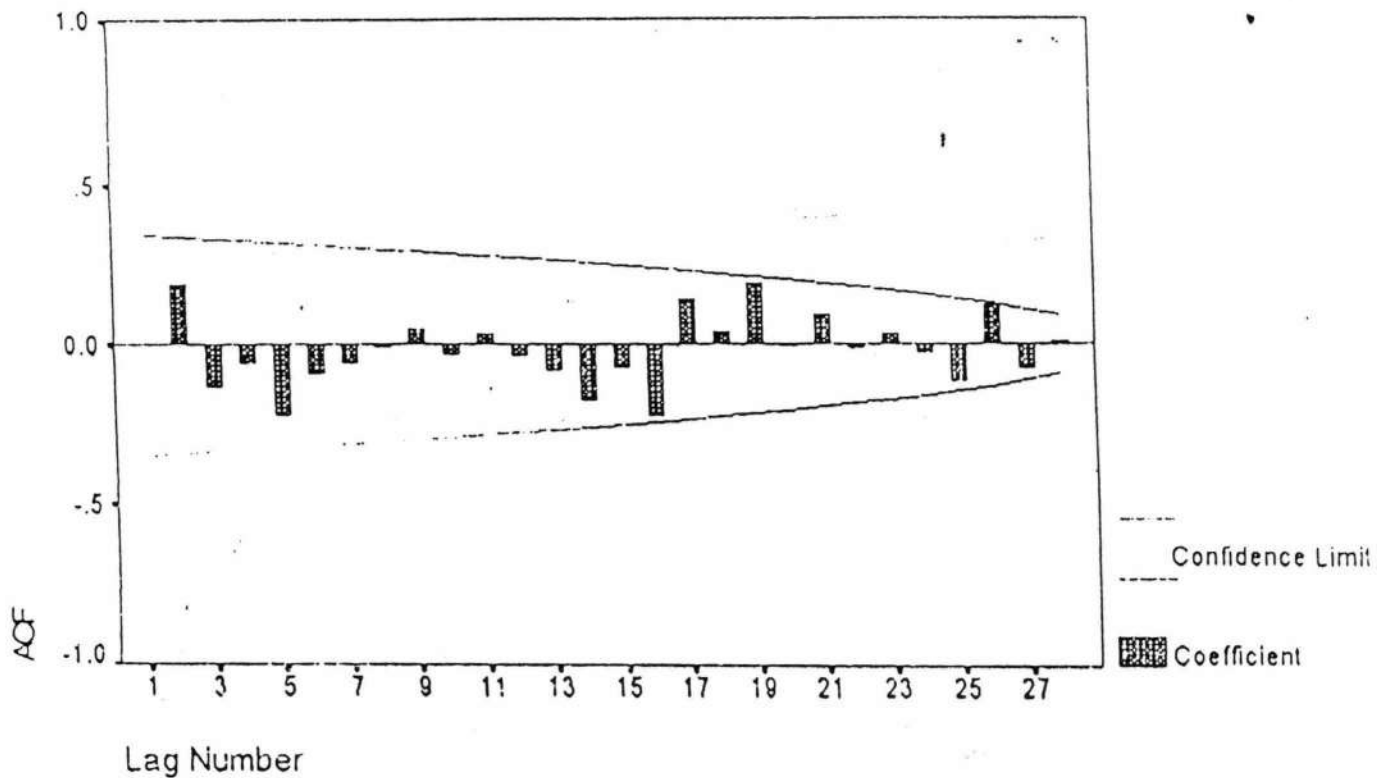
2. Sel Monosit pada pemeriksaan awal



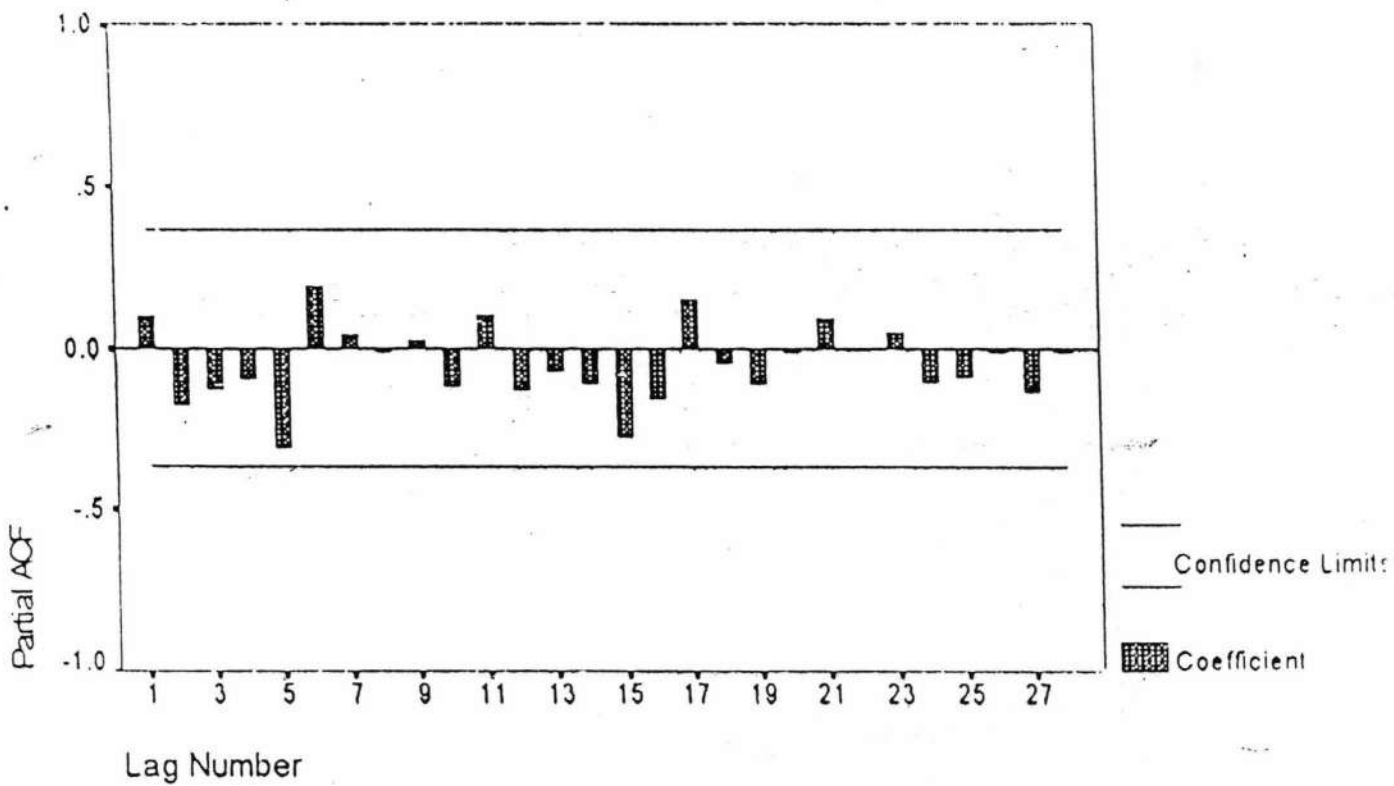
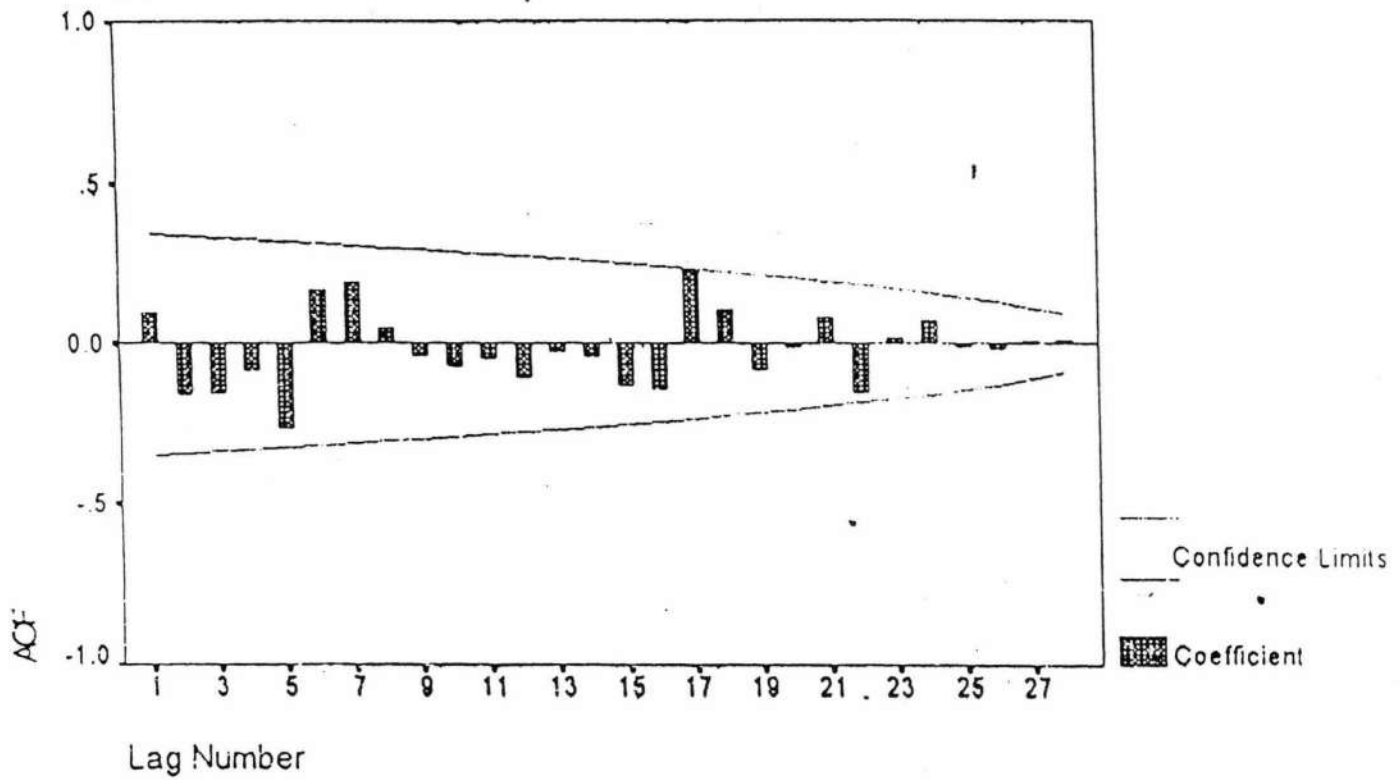
2. Sel Monosit pada pemeriksaan akhir



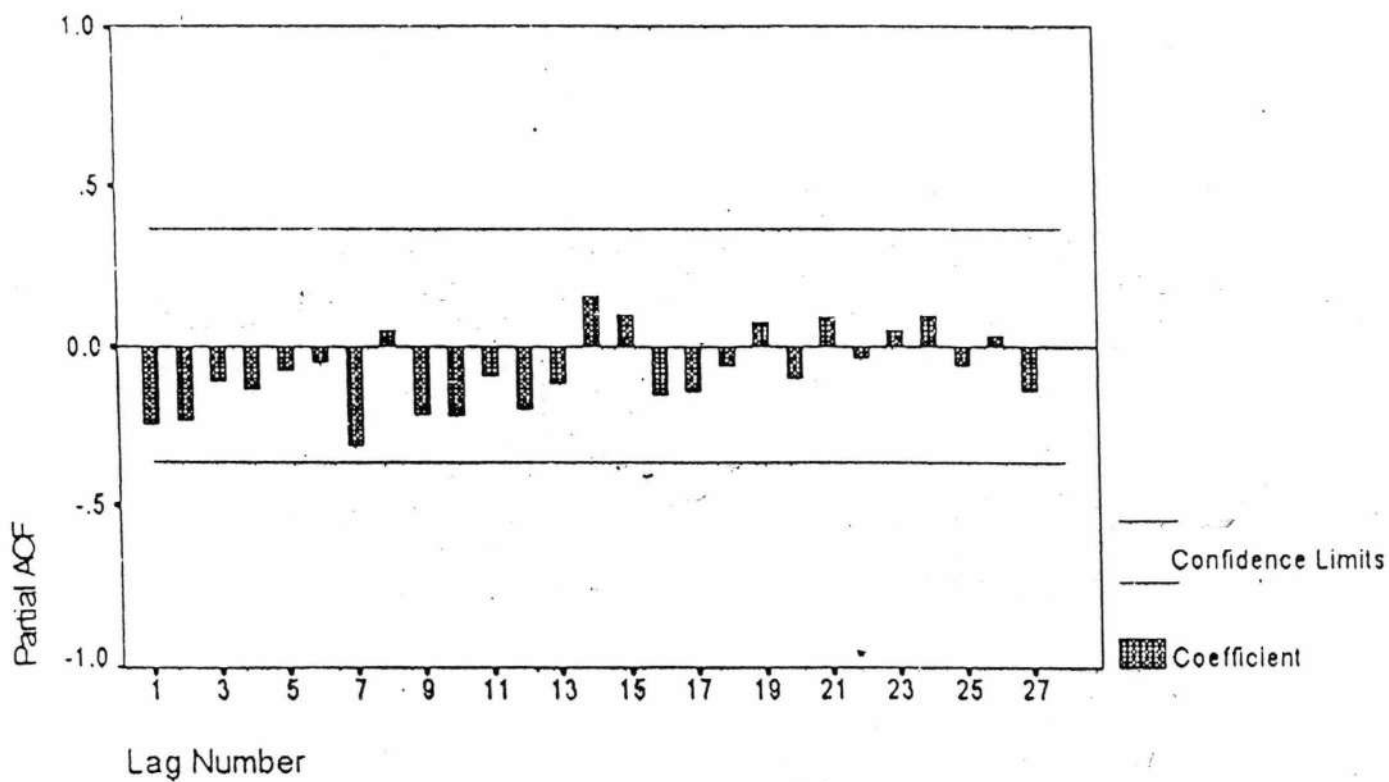
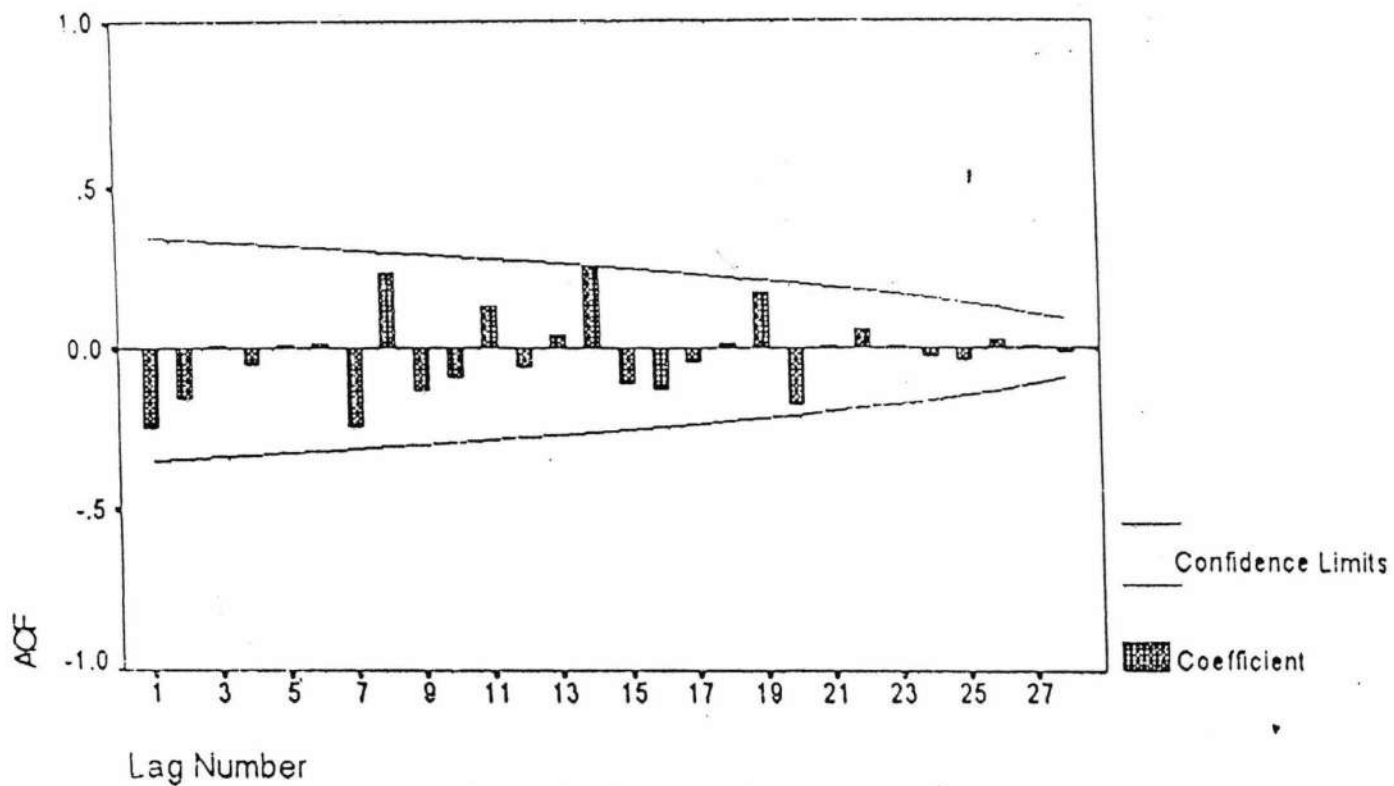
2. Sel limfosit pada pemeriksaan awal



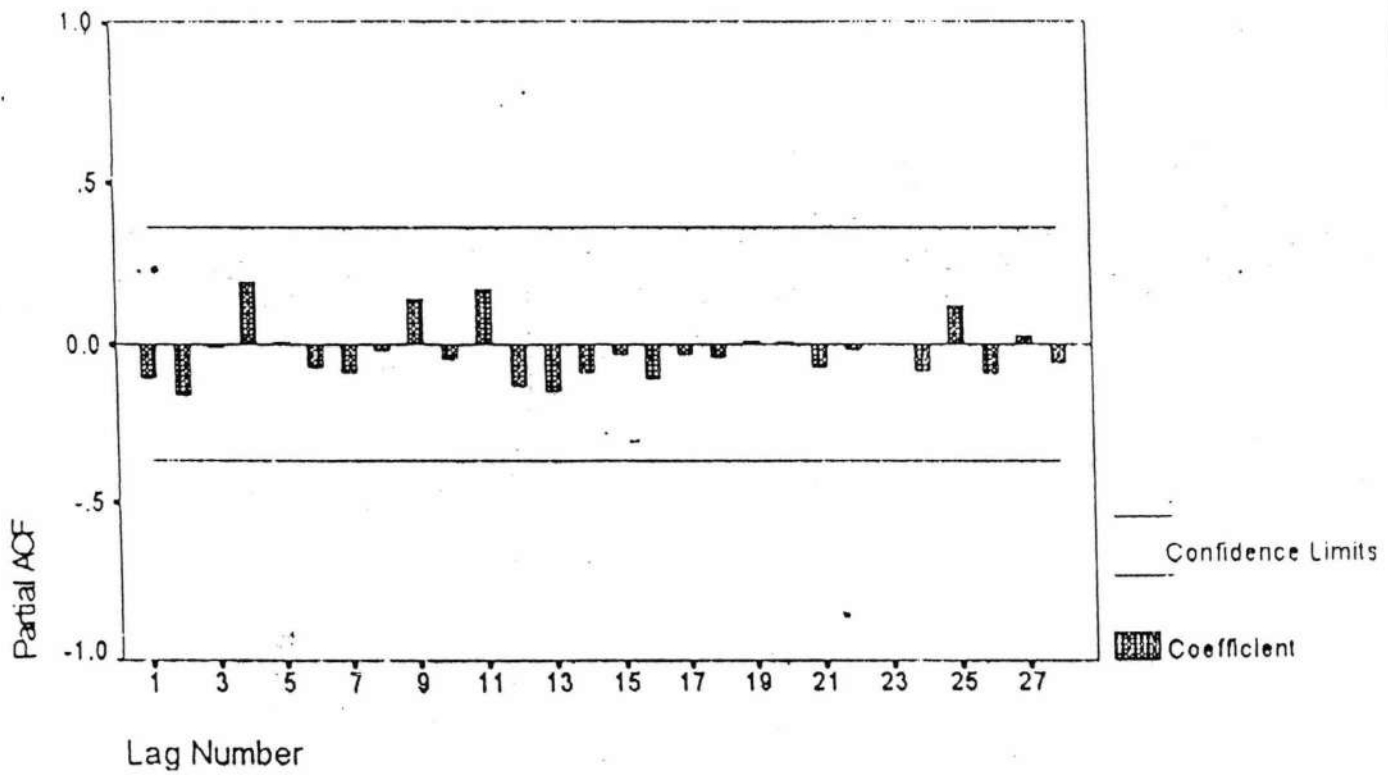
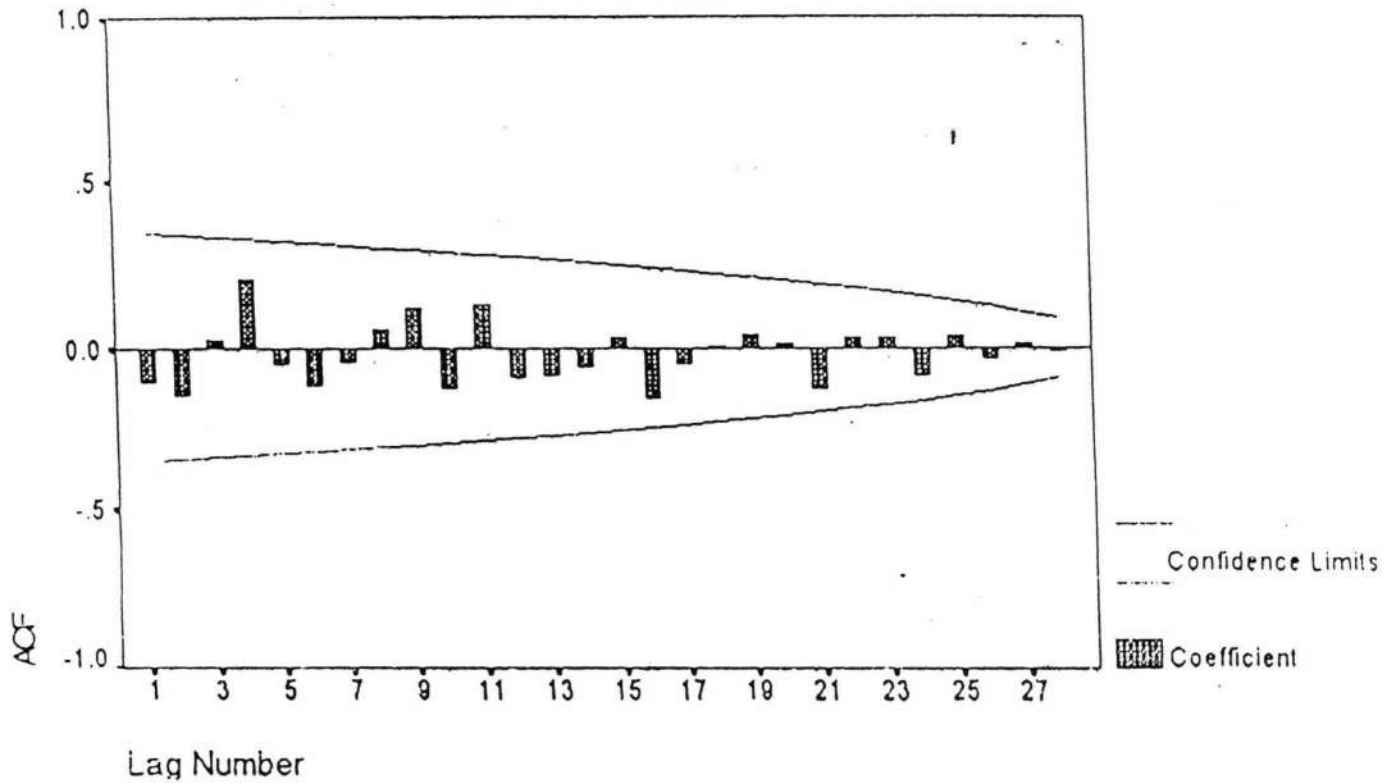
2. Sel limfosit pada pemeriksaan akhir



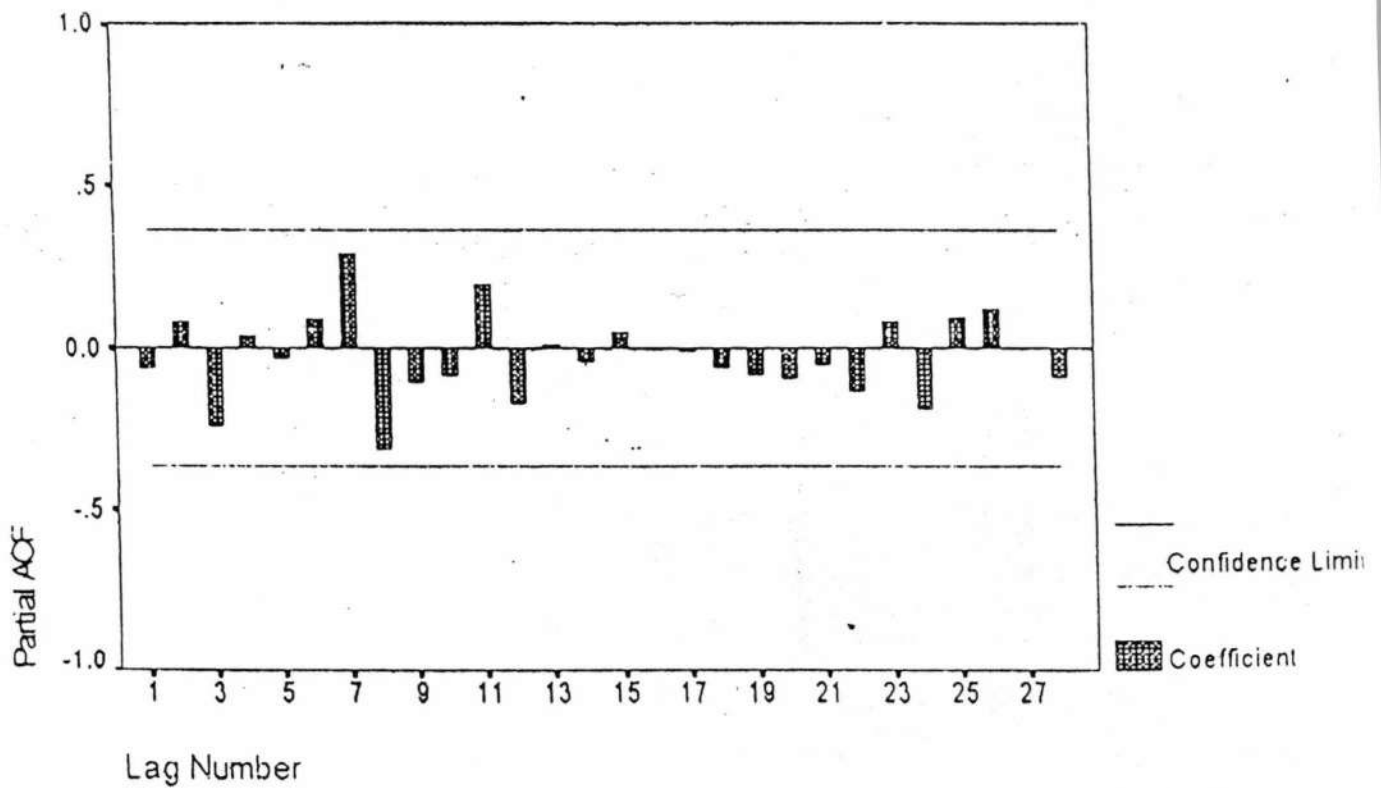
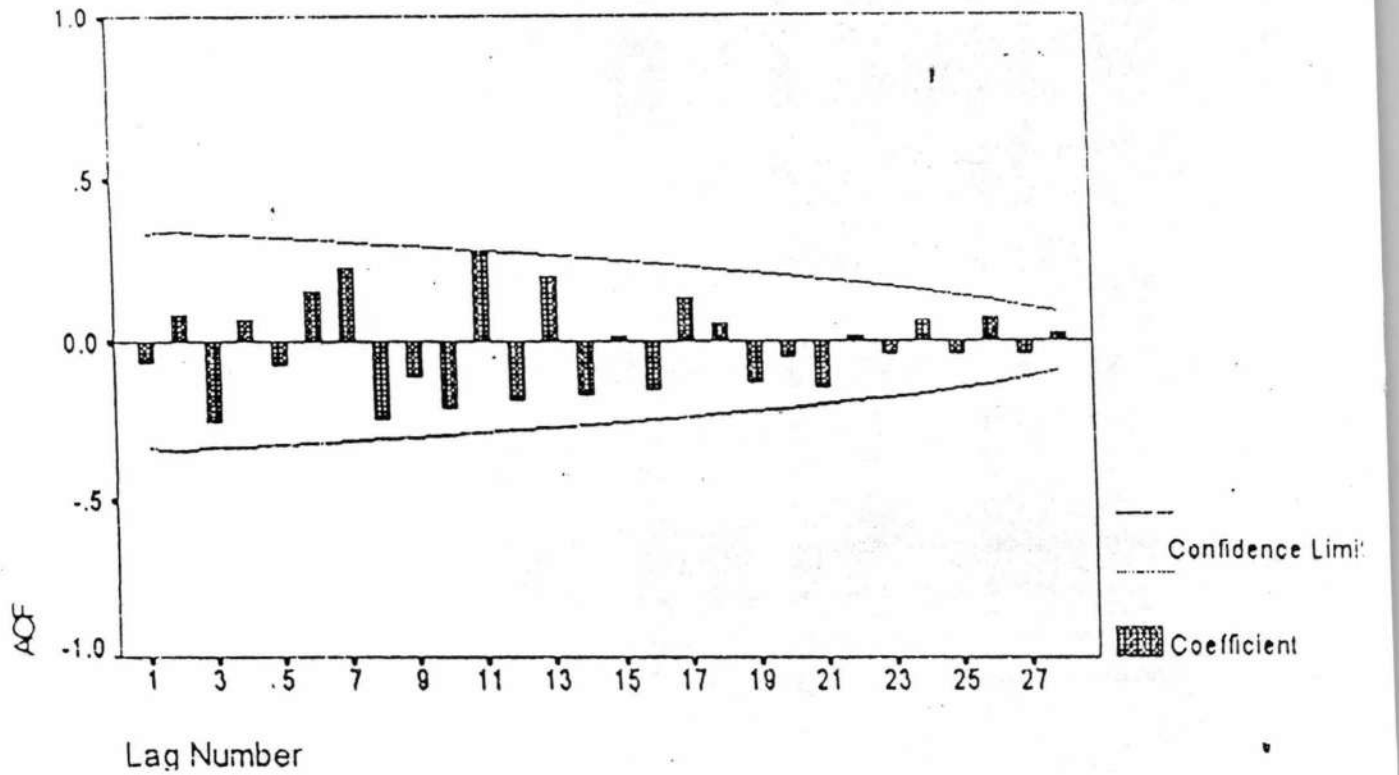
2. Sel netrofil pada pemeriksaan awal



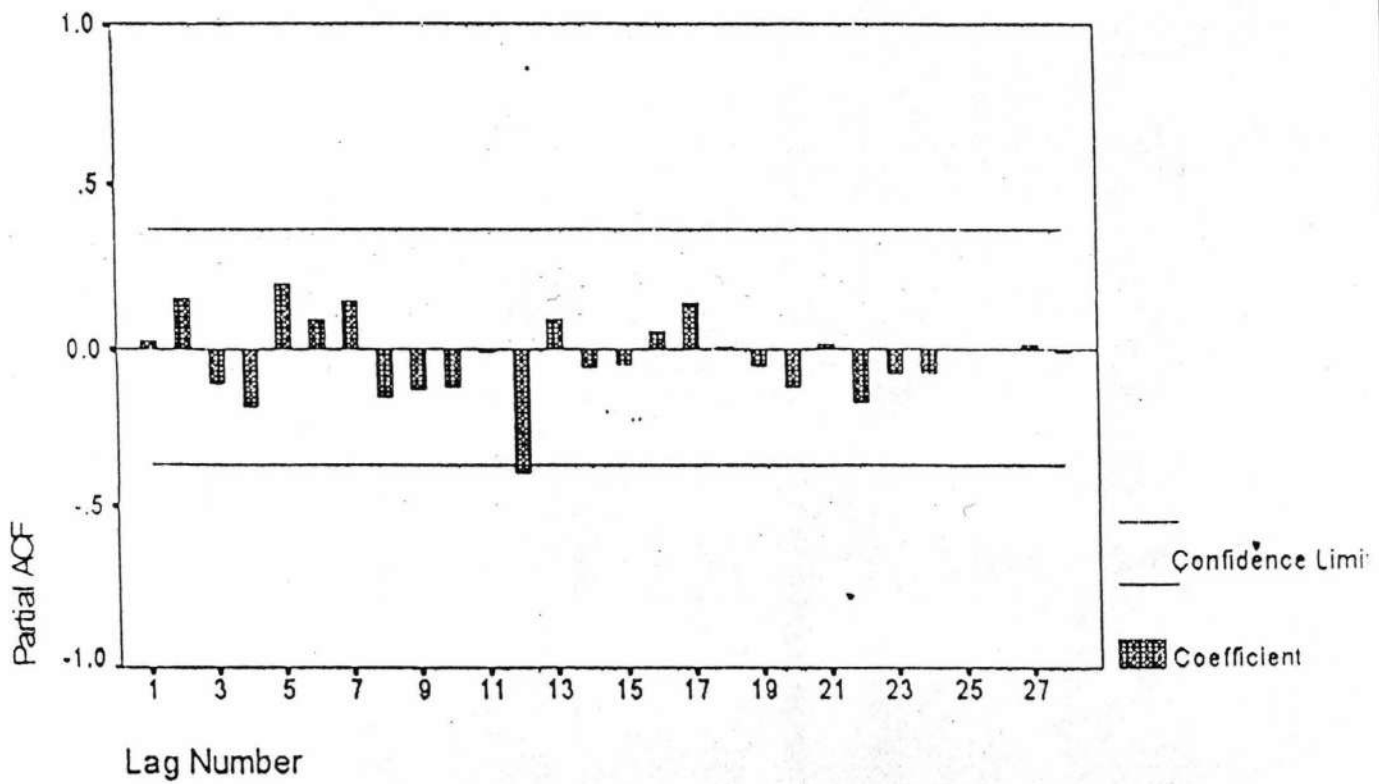
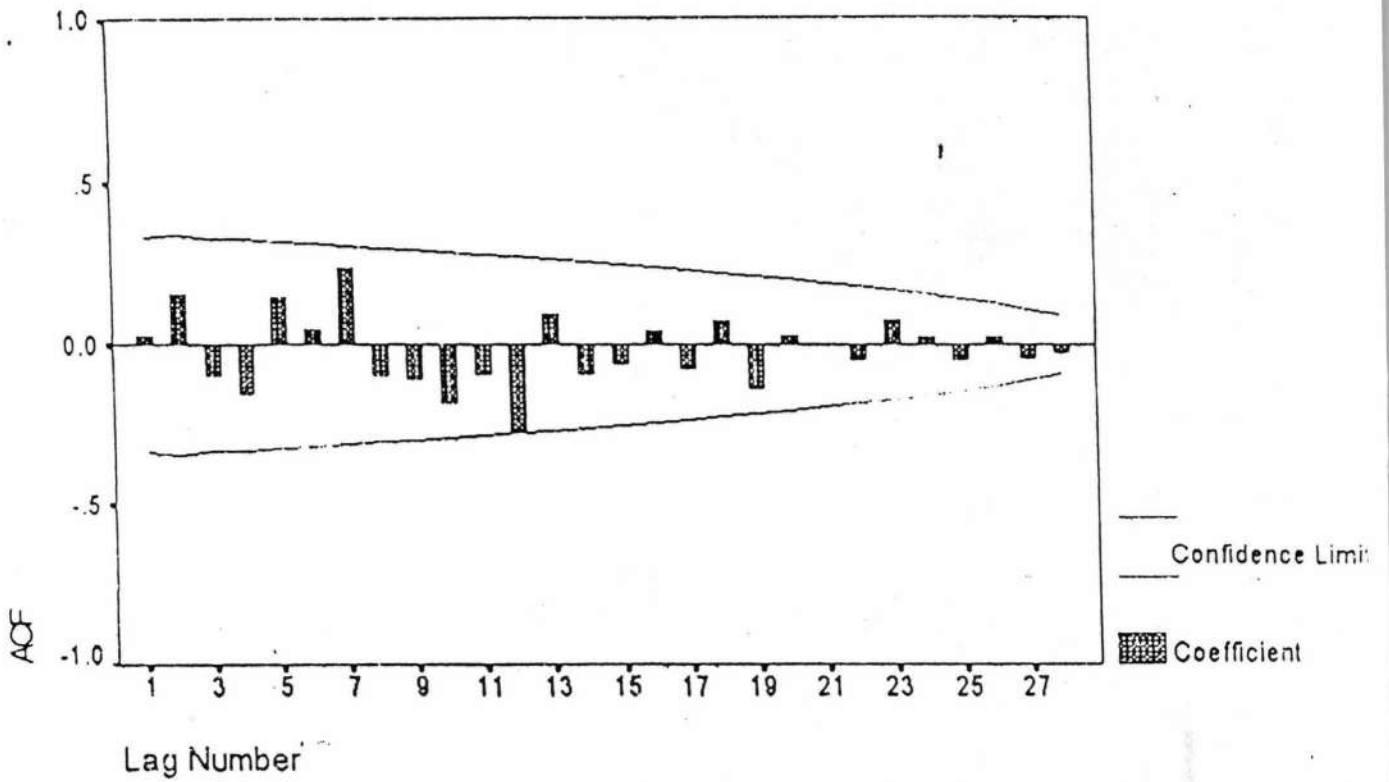
2. Sel netrofil pada pemeriksaan akhir



2. Hormon kortisol pada pemeriksaan awal



2. Hormon kortisol pada pemeriksaan akhir



LAMPIRAN 16 : FACTOR ANALYSIS

UNTUK KELOMPOK 1 (PEKERJA SHIFT MALAM)

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

Initial Statistics:

Variable	Communality	*	Factor	Eigenvalue	Pct of Var	Cum Pct
CORTDEL	1.00000	*	1	2.00934	40.2	40.2
LYMDEL	1.00000	*	2	1.30230	26.0	66.2
MONDEL	1.00000	*	3	.78769	15.8	82.0
NEUTD	1.00000	*	4	.49403	9.9	91.9
NKDEL	1.00000	*	5	.40664	8.1	100.0

PC extracted 2 factors.

Factor Matrix:

	Factor 1	Factor 2
CORTDEL	-.53952	-.47136
LYMDEL	-.35531	.77142
MONDEL	.77173	.00772
NEUTD	.69505	-.49010
NKDEL	.71648	.49474

Final Statistics:

Variable	Communality	*	Factor	Eigenvalue	Pct of Var	Cum Pct
CORTDEL	.51326	*	1	2.00934	40.2	40.2
LYMDEL	.72133	*	2	1.30230	26.0	66.2
MONDEL	.59563	*				
NEUTD	.72330	*				
NKDEL	.75812	*				

	Mean	Std Dev	Label
CORTDEL	-3.53250	2.08682	
LYMDEL	.13250	.32705	
MONDEL	.05875	.05592	
NEUTD	-.21375	1.31749	
NKDEL	-.14254	.15896	

Number of Cases = 8

Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	NKDEL
CORTDEL	1.00000				
LYMDEL	.03151	1.00000			
MONDEL	-.21072	-.15135	1.00000		
NEUTD	-.09364	-.41695	.41490	1.00000	
NKDEL	-.42661	.09069	.45095	.25498	1.00000

Determinant of Correlation Matrix = .4140800

Inverse of Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD
NKDEL				
CORTDEL	1.23508			
LYMDEL	-.11962	1.29214		
MONDEL	.03219	.09027	1.43533	
NEUTD	-.08663	.58116	-.41845	1.47871
NKDEL	.54532	-.35711	-.53502	-.27801
1.57718				

Kaiser-Meyer-Olkin Measure of Sampling Adequacy = .57482

Bartlett Test of Sphericity = 3.96763, Significance = .94880

Anti-image Covariance Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD
NKDEL				
CORTDEL	.80967			
LYMDEL	-.07496	.77391		
MONDEL	.01816	.04867	.69671	
NEUTD	-.04743	.30416	-.19716	.67627
NKDEL	.27995	-.17523	-.23634	-.11920
.63404				

Anti-image Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	NKDEL
CORTDEL	.58676				
LYMDEL	-.09469	.44906			
MONDEL	.02417	.06628	.67426		
NEUTD	-.06410	.42044	-.28723	.58604	
NKDEL	.39072	-.25015	-.35559	-.18204	.55026

Measures of Sampling Adequacy (MSA) are printed on the diagonal.

1-tailed Significance of Correlation Matrix:

' . ' is printed for diagonal elements.

	CORTDEL	LYMDEL	MONDEL	NEUTD
NKDEL				
CORTDEL	.			
LYMDEL	.47048	.		
MONDEL	.30822	.36026	.	
NEUTD	.41273	.15205	.15336	.
NKDEL	.14593	.41544	.13105	.27111

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

Initial Statistics:

Variable	Communality	*	Factor	Eigenvalue	Pct of Var	Cum Pct
CORTDEL	1.00000	*	1	2.00934	40.2	40.2
LYMDEL	1.00000	*	2	1.30230	26.0	66.2
MONDEL	1.00000	*	3	.78769	15.8	82.0
NEUTD	1.00000	*	4	.49403	9.9	91.9
NKDEL	1.00000	*	5	.40664	8.1	100.0

PC extracted 2 factors.

Factor Matrix:

	Factor 1	Factor 2
MONDEL	.77173	
NKDEL	.71648	.49474
NEUTD	.69505	-.49010
CORTDEL	-.53952	-.47136
LYMDEL	-.35531	.77142

Final Statistics:

Variable	Communality	*	Factor	Eigenvalue	Pct of Var	Cum Pct
CORTDEL	.51326	*	1	2.00934	40.2	40.2
LYMDEL	.72133	*	2	1.30230	26.0	66.2
MONDEL	.59563	*				
NEUTD	.72330	*				
NKDEL	.75812	*				

Reproduced Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	
NKDEL					
CORTDEL	.51326*	.20343	.20928	.05035	
.19315					
LYMDEL	-.17192	.72133*	.11690	.20808	-
.03639					
MONDEL	-.42000	-.26825	.59563*	-.11771	-
.10580					
NEUTD	-.14398	-.62503	.53261	.72330*	-
.00054					
NKDEL	-.61976	.12708	.55675	.25552	
.75812*					

The lower left triangle contains the reproduced correlation matrix; the diagonal, reproduced communalities; and the upper right triangle residuals between the observed correlations and the reproduced correlations.

There are 8 (80.0%) residuals (above diagonal) with absolute values > 0.05.

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

EQUAMAX converged in 3 iterations.

Rotated Factor Matrix:

	Factor 1	Factor 2
NKDEL	.87001	
CORTDEL	-.71446	
MONDEL	.62173	.45725
LYMDEL	.17912	-.83021
NEUTD	.26148	.80928

Factor Transformation Matrix:

	Factor 1	Factor 2
Factor 1	.79963	.60050
Factor 2	.60050	-.79963

Factor Score Coefficient Matrix:

	Factor 1	Factor 2
CORTDEL	-.43205	.12818
LYMDEL	.21431	-.57985
MONDEL	.31067	.22589
NEUTD	.05061	.50865
NKDEL	.51326	-.08966

Covariance Matrix for Estimated Regression Factor Scores:

	Factor 1	Factor 2
Factor 1	1.00000	
Factor 2	.00000	1.00000

2 PC EXACT factor scores will be saved.

Following factor scores will be added to the working file:

Name	Label
FAC1_1	REGR factor score 1 for analysis 1
FAC2_1	REGR factor score 2 for analysis 1

UNTUK KELOMPOK 2 (PEKERJA SHIFT MALAM)

Analysis number 1 Listwise deletion of cases with missing values

	Mean	Std Dev	Label
CORTDEL	1.68571	1.48801	
LYMDEL	.02429	.33145	
MONDEL	.07286	.08731	
NEUTD	-.05000	.99923	
NKDEL	-.03290	.19890	

Number of Cases = 7

Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	NKDEL
CORTDEL	1.00000				
LYMDEL	-.34234	1.00000			
MONDEL	.00370	.06458	1.00000		
NEUTD	.24551	-.49879	.32914	1.00000	
NKDEL	-.35282	-.31526	.02178	.06254	1.00000

Determinant of Correlation Matrix = .3500535

Inverse of Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD
NKDEL				
CORTDEL	1.55112			
LYMDEL	.77434	2.02232		
MONDEL	-.06559	-.45302	1.23225	
NEUTD	-.02266	.91372	-.60576	1.64881
NKDEL	.79423	.86348	-.15491	.19014
1.54393				

Kaiser-Meyer-Olkin Measure of Sampling Adequacy = .38295

Bartlett Test of Sphericity = 3.67384, Significance = .96086

Anti-image Covariance Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD
NKDEL				
CORTDEL	.64470			
LYMDEL	.24685	.49448		
MONDEL	-.03431	-.18179	.81152	
NEUTD	-.00886	.27403	-.29815	.60650
NKDEL	.33165	.27655	-.08142	.07469
	.64770			

Anti-image Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	NKDEL
CORTDEL	.39787				
LYMDEL	.43720	.38106			
MONDEL	-.04744	-.28697	.28912		
NEUTD	-.01417	.50038	-.42497	.48611	
NKDEL	.51323	.48867	-.11231	.11917	.30142

Measures of Sampling Adequacy (MSA) are printed on the diagonal.

1-tailed Significance of Correlation Matrix:

' . ' is printed for diagonal elements.

	CORTDEL	LYMDEL	MONDEL	NEUTD
NKDEL				
CORTDEL	.			
LYMDEL	.22614	.		
MONDEL	.49686	.44530	.	
NEUTD	.29783	.12725	.23550	.
NKDEL	.21880	.24550	.48152	.44702

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

Initial Statistics:

Variable	Communality	*	Factor	Eigenvalue	Pct of Var	Cum Pct
CORTDEL	1.00000	*	1	1.77818	35.6	35.6
LYMDEL	1.00000	*	2	1.34407	26.9	62.4
MONDEL	1.00000	*	3	1.11852	22.4	84.8
NEUTD	1.00000	*	4	.49433	9.9	94.7
NKDEL	1.00000	*	5	.26490	5.3	100.0

PC extracted 3 factors.

Factor Matrix:

	Factor 1	Factor 2	Factor 3
NEUTD	.83403		.25653
LYMDEL	-.81668	-.21759	.41043
NKDEL	.15512	.90986	-.13648
CORTDEL	.55346	-.68059	-.21962
MONDEL	.29196		.90410

Final Statistics:

Variable	Communality	* Factor	Eigenvalue	Pct of Var	Cum Pct
CORTDEL	.81776	* 1	1.77818	35.6	35.6
LYMDEL	.88276	* 2	1.34407	26.9	62.4
MONDEL	.90586	* 3	1.11852	22.4	84.8
NEUTD	.76386	*			
NKDEL	.87054	*			

Reproduced Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD
NKDEL				
CORTDEL	.81776*	.05171	.07930	-.12608
.15060				
LYMDEL	-.39405	.88276*	-.05571	.08782
.06541				
MONDEL	-.07560	.12029	.90586*	-.14910
.04824				
NEUTD	.37158	-.58661	.47824	.76386*
.07685				
NKDEL	-.50342	-.38067	-.02646	.13939
.87054*				

The lower left triangle contains the reproduced correlation matrix; the diagonal, reproduced communalities; and the upper right triangle residuals

between the observed correlations and the reproduced correlations.

There are 9 (90.0%) residuals (above diagonal) with absolute values > 0.05.

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

EQUAMAX converged in 5 iterations.

Rotated Factor Matrix:

	Factor 1	Factor 2	Factor 3
LYMDEL	-.93128		
NEUTD	.68866		.53265
NKDEL	.32531	-.87385	
CORTDEL	.48865	.75966	
MONDEL			.95077

Factor Transformation Matrix:

	Factor 1	Factor 2	Factor 3
Factor 1	.92484	.15361	.34796
Factor 2	.14727	-.98808	.04479
	Factor 1	Factor 2	Factor 3
Factor 3	-.35070	-.00982	.93644

Factor Score Coefficient Matrix:

	Factor 1	Factor 2	Factor 3
CORTDEL	.28214	.55007	-.09825
LYMDEL	-.57728	.08581	.17656
MONDEL	-.12540	-.02444	.81595
NEUTD	.35877	.03342	.37962
NKDEL	.22316	-.65428	-.05358

Covariance Matrix for Estimated Regression Factor Scores:

	Factor 1	Factor 2	Factor 3
Factor 1	1.00000		
Factor 2	.00000	1.00000	
Factor 3	.00000	.00000	1.00000

3 PC EXACT factor scores will be saved.

Following factor scores will be added to the working file:

Name	Label
FAC1_2	REGR factor score 1 for analysis 1
FAC2_2	REGR factor score 2 for analysis 1
FAC3_2	REGR factor score 3 for analysis 1

UNTUK KELOMPOK 3 (PEKERJA NON SHIFT)

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

Analysis number 1 Listwise deletion of cases with missing values

	Mean	Std Dev	Label
CORTDEL	-2.24727	1.61311	
LYMDEL	.23564	.63489	
MONDEL	.06364	.15364	
NEUTD	-.23818	.90216	
NKDEL	-.15893	.21052	

Number of Cases = 11

Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	NKDEL
CORTDEL	1.00000				
LYMDEL	-.39556	1.00000			
MONDEL	-.18928	-.06935	1.00000		
NEUTD	.28822	-.30721	-.34455	1.00000	
NKDEL	.69956	-.04785	-.29875	.01353	1.00000

Determinant of Correlation Matrix = .2348196

Inverse of Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	NKDEL
CORTDEL	2.90763				
LYMDEL	.84428	1.40899			
MONDEL	-.21967	.21158	1.33995		
NEUTD	-.62661	.26869	.58246	1.45564	
NKDEL	-2.05080	-.46363	.55623	.60551	2.57045

Kaiser-Meyer-Olkin Measure of Sampling Adequacy = .44835

Bartlett Test of Sphericity = 10.86703, Significance = .36797

Anti-image Covariance Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	NKDEL
CORTDEL	.34392				
LYMDEL	.20608	.70973			
MONDEL	-.05638	.11207	.74629		
NEUTD	-.14805	.13101	.29862	.68698	
NKDEL	-.27439	-.12801	.16149	.16183	.38904

Anti-image Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	NKDEL
CORTDEL	.47600				
LYMDEL	.41712	.46882			
MONDEL	-.11129	.15399	.45327		
NEUTD	-.30458	.18762	.41706	.42563	
NKDEL	-.75015	-.24362	.29971	.31304	.41776

Measures of Sampling Adequacy (MSA) are printed on the diagonal.

1-tailed Significance of Correlation Matrix:

' . ' is printed for diagonal elements.

	CORTDEL	LYMDEL	MONDEL	NEUTD	NKDEL
CORTDEL	.				
LYMDEL	.11426	.			
MONDEL	.28862	.41972	.		
NEUTD	.19503	.17906	.14972	.	
NKDEL	.00828	.44445	.18609	.48425	.

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

Initial Statistics:

Variable	Communality	*	Factor	Eigenvalue	Pct of Var	Cum Pct
CORTDEL	1.00000	*	1	2.08105	41.6	41.6
LYMDEL	1.00000	*	2	1.17403	23.5	65.1
MONDEL	1.00000	*	3	1.08899	21.8	86.9
NEUTD	1.00000	*	4	.46691	9.3	96.2
NKDEL	1.00000	*	5	.18902	3.8	100.0

PC extracted 3 factors.

Factor Matrix:

	Factor 1	Factor 2	Factor 3
CORTDEL	.88076		.32862
NKDEL	.73549	.55538	.26674
NEUTD	.53810	-.51773	-.53058
LYMDEL	-.47577	.71238	-.33301
MONDEL	-.49845	-.29118	.71933

Final Statistics:

Variable	Communality	*	Factor	Eigenvalue	Pct of Var	Cum Pct
CORTDEL	.88900	*	1	2.08105	41.6	41.6
LYMDEL	.84473	*	2	1.17403	23.5	65.1
MONDEL	.85068	*	3	1.08899	21.8	86.9
NEUTD	.83911	*				
NKDEL	.92055	*				

Reproduced Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	
NKDEL					
CORTDEL	.88900*	.08123	.03448	.02621	-
.07619					
LYMDEL	-.47679	.84473*	.14048	.14093	-
.00474					
MONDEL	-.22376	-.20983	.85068*	.15458	
.03769					
NEUTD	.26202	-.44814	-.49913	.83911*	
.04683					
NKDEL	.77575	-.04311	-.33644	-.03330	
.92055*					

The lower left triangle contains the reproduced correlation matrix; the diagonal, reproduced communalities; and the upper right triangle residuals; between the observed correlations and the reproduced correlations.

There are 5 (50.0%) residuals (above diagonal) with absolute values > 0.05.

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

EQUAMAX converged in 6 iterations.

Rotated Factor Matrix:

	Factor 1	Factor 2	Factor 3
NKDEL	.95018		.10336
CORTDEL	.83855	.41107	.12987
LYMDEL	-.13076	-.90845	
MONDEL	-.24086	.21960	-.86281
NEUTD		.54221	.73525

Factor Transformation Matrix:

	Factor 1	Factor 2	Factor 3
Factor 1	.76092	.43965	.47719
Factor 2	.51134	-.85905	-.02391

	Factor 1	Factor 2	Factor 3
Factor 3	.39941	.26219	-.87848

Factor Score Coefficient Matrix:

	Factor 1	Factor 2	Factor 3
CORTDEL	.47417	.21211	-.06461
LYMDEL	.01417	-.70195	.14503
MONDEL	-.04524	.28095	-.68864
NEUTD	-.22335	.36476	.56194
NKDEL	.60865	-.18677	-.05784

Covariance Matrix for Estimated Regression Factor Scores:

	Factor 1	Factor 2	Factor 3
Factor 1	1.00000		
Factor 2	.00000	1.00000	
Factor 3	.00000	.00000	1.00000

3 PC EXACT factor scores will be saved.

Following factor scores will be added to the working file:

Name	Label
FAC1_3	REGR factor score 1 for analysis 1
FAC2_3	REGR factor score 2 for analysis 1
FAC3_3	REGR factor score 3 for analysis 1

UNTUK KELOMPOK 4 (PEKERJA NON SHIFT)

Analysis number 1 Listwise deletion of cases with missing values

	Mean	Std Dev	Label
CORTDEL	3.79250	2.80632	
LYMDEL	-.25000	.35562	
MONDEL	-.03500	.12662	
NEUTD	-1.29250	1.45122	
NKDEL	-.17990	.12225	

Number of Cases = 4

Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	NKDEL
CORTDEL	1.00000				
LYMDEL	-.99150	1.00000			
MONDEL	-.91184	.95714	1.00000		
NEUTD	-.93884	.89818	.76505	1.00000	
NKDEL	.69459	-.77570	-.91877	-.54671	1.00000

Determinant of Correlation Matrix = .0000000

>Warning # 11301

>The correlation matrix cannot be inverted.

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

Initial Statistics:

Variable	Communality	* Factor	Eigenvalue	Pct of Var	Cum Pct
CORTDEL	1.00000	* 1	4.37646	87.5	87.5
LYMDEL	1.00000	* 2	.55135	11.0	98.6
MONDEL	1.00000	* 3	.07219	1.4	100.0
NEUTD	1.00000	* 4	.00000	.0	100.0

Variable	Communality	* Factor	Eigenvalue	Pct of Var	Cum Pct
NKDEL	1.00000	* 5	.00000	.0	100.0

PC extracted 1 factors.

Factor Matrix:

	Factor 1
LYMDEL	.99162
CORTDEL	-.97426
MONDEL	.97399
NEUTD	.89098
NKDEL	-.83753

Final Statistics:

Variable	Communality	* Factor	Eigenvalue	Pct of Var	Cum Pct
CORTDEL	.94918	* 1	4.37646	87.5	87.5
LYMDEL	.98331	*			
MONDEL	.94866	*			
NEUTD	.79385	*			
NKDEL	.70146	*			

Reproduced Correlation Matrix:

	CORTDEL	LYMDEL	MONDEL	NEUTD	
NKDEL					
CORTDEL	.94918*	-.02540	.03708	-.07079	-
LYMDEL	-.96609	.98331*	-.00868	.01466	
MONDEL	-.94892	.96583	.94866*	-.10276	-
NEUTD	-.86805	.88351	.86781	.79385*	
NKDEL	.81597	-.83051	-.81575	-.74623	

The lower left triangle contains the reproduced correlation matrix; the diagonal, reproduced communalities; and the upper right triangle residuals

between the observed correlations and the reproduced correlations.

There are 6 (60.0%) residuals (above diagonal) with absolute values > 0.05.

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

>Warning # 11310

>Only one factor was extracted. The solution cannot be rotated.

>Warning # 11385

>Only one factor was extracted. No rotation plot can be produced.

Factor Score Coefficient Matrix:

	Factor 1
CORTDEL	-.22261
LYMDEL	.22658
MONDEL	.22255
NEUTD	.20359
NKDEL	-.19137

Covariance Matrix for Estimated Regression Factor Scores:

	Factor 1
Factor 1	1.00000

1 PC EXACT factor scores will be saved.

Following factor scores will be added to the working file:

Name	Label
FAC1_4	REGR factor score 1 for analysis 1

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Gresik - Jatim

Data Kehadiran Karyawan / Cloking

Tanggal 02-03-98 s/d 06-03-98

Reportname : BHSPS12

Tanggal : 13-03-98

Hal : 1

Noreg	N a m a	Jabatan	Grp	Tgl	Sft	Masuk	Keluar
A3022	SUGINO	OPRT.TENUN	B	02-03-98	M	21.51	6.03
			B	03-03-98	M	21.51	6.03
			B	04-03-98	M	21.53	6.02
			B	05-03-98	M	21.53	6.00
			B	06-03-98	M	21.55	6.04
			B	02-03-98	M	21.48	6.03
A3315	SUGENG PRAJUDI	OPRT.TENUN	B	03-03-98	M	21.45	6.02
			B	04-03-98	M	21.51	6.03
			B	05-03-98	M	21.49	6.04
			B	06-03-98	M	21.45	6.04
			B	02-03-98	M	21.53	6.03
			B	03-03-98	M	21.49	6.04
A2409	TAKIM	OPRT.PEMB.TENUN	B	04-03-98	M	21.53	6.03
			B	05-03-98	M	21.55	6.03
			B	06-03-98	M	21.54	6.04
			B	02-03-98	M	21.54	6.02
			B	03-03-98	M	21.52	6.03
			B	04-03-98	M	21.50	6.02
A3356	DWI NURCAHYO	OPRT.PEMB.TENUN	B	05-03-98	M	21.52	6.02
			B	06-03-98	M	21.52	6.03
			B	02-03-98	M	21.54	6.03
			B	03-03-98	M	21.52	6.02
			B	04-03-98	M	21.50	6.01
			B	05-03-98	M	21.52	5.01
A3360	M.SAIFUDIN	OPRT.PEMB.TENUN	B	06-03-98	M	21.52	6.01
			B	02-03-98	M	21.54	6.03
			B	03-03-98	M	21.52	6.02
			B	04-03-98	M	21.50	6.01
			B	05-03-98	M	21.52	5.01
			B	06-03-98	M	21.52	6.01
A3447	KHUSNUL ARIFIN	OPRT.PEMB.TENUN	B	02-03-98	M	21.48	6.00
			B	03-03-98	M	22.05	6.00
			B	04-03-98	M	21.56	6.00
			B	05-03-98	M	21.49	6.00
			B	06-03-98	M	21.45	6.02

PT.Behaester
Jl.Mayjen.Sungkono,14
Gresik - Jatim

Data Kehadiran Karyawan / Cloking

Tanggal 02-03-98 s/d 06-03-98

Reportname : BHSPS12

Tanggal : 13-03-98

Hal : 1

Noreg	N a m a	Jabatan	Grp	Tgl	Sft	Masuk	Keluar
A2873	IMAM SANTOSO	OPRT.PEMB.TENUN	B	02-03-98	M	21.50	6.03
			B	03-03-98	M	21.52	6.04
			B	04-03-98	M	21.54	6.03
			B	05-03-98	M	21.50	6.04
			B	06-03-98	M	21.54	6.04
			B	02-03-98	M	21.52	6.01
A3358	ABD.CHAWIM	OPRT.PEMB.TENUN	B	03-03-98	M	21.50	6.01
			B	04-03-98	M	21.50	6.01
			B	05-03-98	M	21.53	6.01
			B	06-03-98	M	21.52	6.03

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Data Kehadiran Karyawan / Cloking

Reportname : BHSPS12

Tanggal : 16-03-98

Tanggal 09-03-98 s/d 13-03-98

Hal : 1

Noreg	Nama	Jabatan	Grp	Tgl	Sft	Masuk	Keluar
A2368	MUSTAKIM	OPRT.TENUN	C	09-03-98	M	21.51	6.02
			C	10-03-98	M	21.52	6.02
			C	11-03-98	M	21.52	6.03
			C	12-03-98	M	21.48	6.03
			C	13-03-98	M	21.48	6.03
A2418	HUDIN HARIONO	OPRT.TENUN	C	09-03-98	M	21.52	6.01
			C	10-03-98	M	21.53	6.02
			C	11-03-98	M	21.55	6.01
			C	12-03-98	M	21.51	6.01
A3163	WAHJU PERMANA	OPRT.TENUN	C	13-03-98	M	21.51	6.02
			C	09-03-98	M	21.54	6.01
			C	10-03-98	M	21.55	6.01
			C	11-03-98	M	21.53	6.01
			C	12-03-98	M	21.50	6.01
A2710	MULYADI	OPRT.PEMB.TENUN	C	13-03-98	M	21.49	6.06
			C	09-03-98	M	21.52	6.03
			C	10-03-98	M	21.54	6.03
			C	11-03-98	M	21.51	6.02
			C	12-03-98	M	21.49	6.02
A3089	SUGENG WALUYO	OPRT.PEMB.TENUN	C	13-03-98	M	21.45	6.06
			C	09-03-98	M	21.50	6.02
			C	10-03-98	M	21.54	6.01
			C	11-03-98	M	21.53	6.01
			C	12-03-98	M	21.53	6.01
A3323	TOHIR	OPRT.PEMB.TENUN	C	13-03-98	M	21.53	6.06
			C	09-03-98	M	21.47	6.02
			C	10-03-98	M	21.52	6.02
			C	11-03-98	M	21.51	6.02
			C	12-03-98	M	21.52	6.02
A3148	NUR SHOLBH	OPRT.MTC.TENUN	C	13-03-98	M	21.52	6.06
			C	09-03-98	M	21.56	6.03
			C	10-03-98	M	21.49	6.03
			C	11-03-98	M	21.58	6.03
			C	12-03-98	M	21.54	6.03
C	13-03-98	M	21.43	6.06			

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Data Kehadiran Karyawan / Cloking

Reportname : BHSPS12

Tanggal : 21-03-98

Tanggal 16-03-98 s/d 20-03-98

Hal : 1

Noreg	Nama	Jabatan	Grp	Tgl	Sft	Masuk	Keluar
A1792	WARAS	OPRT.TENUN	A	17-03-98	M	21.47	6.00
			A	18-03-98	M	21.52	6.00
			A	19-03-98	M	21.49	6.00
A3386	DARNO	OPRT.PEMB.TENUN	A	20-03-98	M	21.46	6.01
			A	16-03-98	M	21.41	6.02
			A	17-03-98	M	21.45	6.02
A			A	18-03-98	M	21.44	6.02
			A	19-03-98	M	21.47	6.02
			A	20-03-98	M	21.49	6.02
A1127	SETIA BADI	OPRT.TENUN	N	16-03-98	N	7.15	15.31
			N	17-03-98	N	7.16	15.31
			N	18-03-98	N	7.14	15.31
			N	19-03-98	N	7.12	15.31
			N	20-03-98	N	7.12	16.01
A3141	IMAM ROFII	OPRT.TENUN	N	16-03-98	N	7.15	15.31
			N	17-03-98	N	7.10	0.00
			N	18-03-98	N	7.10	0.00
			N	19-03-98	N	0.00	15.31
			N	20-03-98	N	7.08	16.01
A1768	ARIF RACHMAN H	OPRT.DOPFER	N	16-03-98	P	5.57	14.00
			N	17-03-98	P	5.47	14.04
			N	18-03-98	P	5.46	14.04
			N	19-03-98	P	5.45	14.04
			N	20-03-98	P	5.48	16.02
A2151	IMAM SYAFI'I	OPRT.DOPFER	N	16-03-98	P	5.54	14.03
			N	17-03-98	P	5.55	14.04
			N	18-03-98	P	5.54	14.04
			N	19-03-98	P	5.53	14.02
			N	20-03-98	P	5.56	15.57
A2292	KHUS SHOLBH KH	OPRT.DOPFER	N	16-03-98	P	5.55	14.00
			N	17-03-98	P	5.55	14.00
			N	18-03-98	P	5.55	14.00
			N	19-03-98	P	5.45	9.22
			N	20-03-98	P	5.55	15.58
A2749	RUSDIANTO	OPRT.DOPFER	N	16-03-98	P	5.53	14.03
			N	17-03-98	P	5.56	14.04
			N	18-03-98	P	5.58	14.04
			N	19-03-98	P	6.06	14.03
			N	20-03-98	P	5.59	15.59
A1124	SUWANDI	OPRT.PERBAIKAN TENUN	N	16-03-98	N	7.15	15.31
			N	17-03-98	N	7.20	15.30
			N	18-03-98	N	7.17	15.31
			N	19-03-98	N	7.16	15.31
			N	20-03-98	N	7.17	16.00

PT. Behaestex
 Jl. Mayjen. Sungkono, 14
 Gresik - Jatim

Data Kehadiran Karyawan / Cloking
 Tanggal 23-03-98 s/d 27-03-98

Reportname : BHSPS12
 Tanggal : 28-03-98
 Hal : 1

NoReg	Nama	Jabatan	Grp	Tgl	Sft	Masuk	Keluar
A2010	SURYADI YANTORO	OPRT.MTC.TENUN	B	24-03-98	M	21.45	6.00
			B	25-03-98	M	21.47	6.00
			B	26-03-98	M	21.47	6.00
			B	27-03-98	M	21.48	6.02
A0970	SADIKIN	KR.PALET	N	23-03-98	N	7.09	15.31
			N	24-03-98	N	7.09	15.32
			N	25-03-98	N	7.11	15.31
			N	26-03-98	N	7.14	15.31
			N	27-03-98	N	7.10	16.02
A1746	EDDY NASRULLAH	OPRT.PALET.	N	23-03-98	N	7.13	15.31
			N	24-03-98	N	7.06	15.31
			N	25-03-98	N	7.11	15.31
			N	26-03-98	N	7.09	15.31
A2981	FAUZI NUR ROFIQ	OPRT.PERBAIKAN BEAM	N	27-03-98	N	7.18	16.01
			N	23-03-98	N	7.03	15.31
			N	24-03-98	N	7.21	15.32
			N	25-03-98		0.00	15.32
A2076	WARSONO	OPRT.PACKING	N	26-03-98	N	7.16	15.31
			N	27-03-98	N	7.28	16.01
			N	23-03-98	N	7.09	15.32
			N	24-03-98	N	7.11	15.32
A3331	MUKHAMAD YONG	OPRT.PACKING	N	25-03-98	N	7.25	15.30
			N	26-03-98	N	7.11	15.30
			N	27-03-98	N	7.17	16.00
			N	23-03-98	N	7.01	15.35
A1618	NASIR	OPRT.SUPLAY PAKAN	N	24-03-98	N	7.07	15.34
			N	25-03-98	N	7.10	15.34
			N	26-03-98	N	7.09	15.34
			N	27-03-98	N	7.04	16.03
A1709	KHOIRIL	OPRT.SUPLAY PAKAN	N	23-03-98	P	5.56	14.02
			N	24-03-98	P	5.56	14.03
			N	25-03-98	P	5.51	14.00
			N	26-03-98	P	5.56	14.03
A2685	HERI SUGAHYONO	OPRT.SUPLAY PAKAN	N	27-03-98	P	5.54	14.03
			N	23-03-98	P	5.49	14.03
			N	24-03-98	P	5.56	14.03
			N	25-03-98	P	5.53	14.02
A2817	SUPADI	OPRT.SUPLAY PAKAN	N	26-03-98	P	5.56	14.01
			N	23-03-98	P	5.56	14.03
			N	24-03-98	P	5.56	14.03
			N	26-03-98	P	5.56	14.03
A3009	MUKHAMAD	OPRT.SUPLAY PAKAN	N	27-03-98	P	5.54	14.03
			N	23-03-98	P	5.56	14.02
			N	24-03-98	P	5.58	14.03
			N	25-03-98	P	5.54	14.02
			N	26-03-98	P	5.57	14.02
			N	27-03-98	P	5.54	14.02
			N	23-03-98	P	5.55	14.03
			N	24-03-98	P	5.56	14.04
			N	25-03-98	P	5.54	14.03
			N	26-03-98	P	5.55	14.04
			N	27-03-98	P	5.54	14.03