Lampiran 1.1

PERUSAHAAN DAERAH AIR MINUM
KOTAMADYA DATI II SURABAYA
INSTALASI PENJERNIHAN NGAGEL
TILP. : 577745

Malang, 07 Januari 1995

1. Contoh : I. Air baku , II. Air Distribusi
2. Tanggal : 07 Januari 1995
3. Jam : I. 09.00 wib, II. 09.15 wib
4. Lokasi : Instalasi Penjernihan air Ikrim Kayoon

No.	Pemeriksaan atas		(I) Hasil analisa Air Baku	Syarat-syarat air baku klas B Max yang diperbolehkan (sesuai PERMENKES No.-173/MENKES/PER/VIII/"77)	(II) Hasil Analisa Air Distribusi	Syarat-syarat air minum Maximum yang diperbolehkan (Sesuai PERMENKES RI No.:416/MENKES/PER/IX/"90)
	I. UJI FISIKA					
1.	Kekeruhan	(SKALA NTU)	70		0,25	1 - 5
	II. UJI KIMIA					
1.	Reaksi PH		7,4	6,5 – 8,5	6,9	6,5 – 8,5
2.	Sulfat	(ppm SO_4)	34,29	400	113,83	250
3.	Nitrit	(ppm NO_2)	0,33	+ 10 ppm N	0,0	10 ppm N
4.	Oksigen terlarut	(ppm O_2)	1,06	4 – 6	6,77	Diatas 5
5.	Tembaga	(ppm Cu)	2,27	1	0,004	1.0
6	Ammonium	(ppm NH_3)	6,1	(0.05 ppm N)	0,7	0,0 ppm NH_3
7.	Sulfida	(ppm H_2S)	0,05	0.0	0,02	0,05
8.	C.O.D	(ppm O_2)	33,35		13,55	
9.	B.O.D		13,5	3 - 5	6,0	
10.	Detergent Anionik	(ppm MBAS)	0,16		0,013	0,05
11	Total Coli	(CFU)	-	$1 - 10^4$	0,0	0,0

Lampiran 1.2

PERUSAHAAN DAERAH AIR MINUM
KOTAMADYA DATI II SURABAYA
INSTALASI PENJERNIHAN NGAGEL
TILP. : 577745

Malang, 26 April 1995

1. Contoh : I. Air baku , II. Air Distribusi
2. Tanggal : 25 April 1995
3. Jam : I. 07.45 wib, II. 08.00 wib
4. Lokasi : Instalasi Penjernihan air Kayoon.

No.	Pemeriksaan atas		(I) Hasil analisa Air Baku	Syarat-syarat air baku klas B Max yang diperbolehkan (sesuai PERMENKES No.-173/MENKES/PER/VIII/'77)	(II) Hasil Analisa Air Distribusi	Syarat-syarat air minum Maximum yang diperbolehkan (Sesuai PERMENKES RI No.:416/MENKES/PER/IX/'90)
	I. UJI FISIKA					
1.	Kekeruhan	(SKALA NTU)	45		0,15	1 - 5
	II. UJI KIMIA					
1.	Reaksi PH		7,6	6,5 – 8,5	7,0	6,5 – 8,5
2.	Nitrit	(ppm NO_2)	0,085	+ 10 ppm N	0,003	1,0 ppm N
3.	Oksigen terlarut	(ppm O_2)	4,23	4 – 6	5,02	Diatas 5
4.	Ammonium	(ppm NH_3)	0,4	(0.05 ppm N)	0,0	0,0 ppm NH_3
5.	Chlor bebas	(ppm Cl_2)aktif	-	0.0	1,0	1,5
6.	Detergent Anionik	(ppm MBAS)	0,264		0,035	0,05

Lampiran 1.3

PERUSAHAAN DAERAH AIR MINUM
KOTAMADYA DATI II SURABAYA
INSTALASI PENJERNIHAN NGAGEL
TILP. : 577745

Malang, 16 Oktober 1995

1. Contoh : I. Air baku , II. Air Distribusi
2. Tanggal : 16 Oktober 1995
3. Jam : I. 07.45 wib, II. 08.05 wib
4. Lokasi : Instalasi Penjernihan air Kayoon.

No.	Pemeriksaan atas		(I) Hasil analisa Air Baku	Syarat-syarat air baku klas B Max yang diperbolehkan (sesuai PERMENKES No.-173/MENKES/PER/VIII/'77)	(II) Hasil Analisa Air Distribusi	Syarat-syarat air minum Maximum yang diperbolehkan (Sesuai PERMENKES RI No.:416/MENKES/PER/IX/'90)
	I. UJI FISIKA					
1.	Kekeruhan	(SKALA NTU)	7,8		0,26	1 - 5
	II. UJI KIMIA					
1.	Reaksi PH		7,7	6,5 – 8,5	7,6	6,5 – 8,5
2.	Alkanilitas	(ppm $CaCO_3$)	96,2		91,0	500
3.	Karbondioksida bebas	(ppm CO_2)	3,43		4,14	Tak disyaratkan
4.	Nitrit	(ppm NO_2)	0,11		0,009	1,0 ppm N
5.	Oksigen terlarut	(ppm O_2)	5,3	4 – 6	6,69	Diatas 5
6.	Tembaga	(ppm CU)	0,71	1	6,89	1,0
7.	Ammonium	(ppm NH_3	0,6	(0,05 ppm N)	0,0	0,0 ppm NH_3
8.	Chlor bebas	(ppm Cl_2)aktif	-	0,0	1,2	1,5
9.	Detergent Anionik	(ppm MBAS)	0,26		0,031	0,05

Lampiran 1.4

PEMERINTAH KOTAMADYA DAERAH TK. II SURABAYA
PERUSAHAAN DAERAH AIR MINUM

HASIL ANALISA KUALITAS AIR PRODUKSI SECARA MINGGUAN
INSTALASI PENJERNIHAN KARANGPILANG I.
Tanggal Pengambilan Sampel : 14 Agustus 1996
Jam : 08.15 WIB
Bulan : Agustus 1996

NO.	Parameter	Satuan	SK. Gub.	Hasil Analisa	Keterangan
1.	TDS	ppm	1000	206	
2.	Warna	Skala TCU	15	6	
3.	DO	ppm O2	-	5,59	
4.	Amonia	ppm NH3-N	-	0,03	
5.	Nitrit	ppm NH2-N	1	0,032	
6.	Nitrat	ppm NH3-N	10	2,65	
7.	Fosfat	ppm PO4	-	0,11	
8.	Silikat	ppm STO2	-	22,15	
9.	Kalsium	ppm Ca	-	116,1	
10.	Magnesium	ppm Mg	-	27,86	
11.	Natrium	ppm Na	200	-	
12.	Kalium	ppm K	-	-	
13.	Klorida	ppm Cl	250	35,91	
14.	Sulfat	ppm SO4	400	22,04	
15.	Fluorida	ppm F	1.5	0,29	
16.	Sianida	ppm CN	0,1	-	
17.	Arsen	ppm As	0.05	-	
18.	Besi	ppm Fe	0,3	0,071	
19.	Aluminium	ppm Al	0,2	-	
20.	Krom	ppm Cr	0,05	0,02	
21.	Kadmium	ppm Cd	0,005	-	
22.	Maugau	ppm Mn	0,1	0,01	
23.	Raksa	ppm Hg	0,001	-	
24.	Zeng	ppm Zn	5	0,04	
25.	Tembaga	ppm Cn	1	0,08	
26.	Timbal	ppm Pb	0,05	-	
27.	Detergent	ppm	0,05	0,02	

PERMENKES RI : Syarat-syarat kualitas air minum maximum yang diperbolehkan sesuai PERMENKES RI No. 416/MENKES/PER/IX/90.

Lampiran 1.5

HASIL ANALISA KUALITAS AIR PRODUKSI SECARA HARIAN
INSTALASI PENJERNIHAN NGAGEL II

Minggu : I (tanggal 2 s/d 6)
Bulan : Desember 1996

No.	Parameter	Satuan	PERMINKES RI	Tanggal					Ket.
				2	3	4	5	6	
1.	Suhu	* C	Suhu udara + 3°C	27,4	28,3	27,6	27,5	27,2	
2.	Kekeruhan	Skala NTU	5	0,69	0,71	0,99	0,86	0,48	
3.	DHL	Umhes/cm	-	420	439	422	377	392	
4.	PH		5.5 – 8.5	7,0	7,0	7,3	7,3	7,1	
5.	Alkanilitas	ppm CaCO3	-	71,8	74,6	56,4	58,9	62,3	
6.	CO2 bebas	ppm CO2	-	14,4	14,9	5,13	5,35	9,42	
7.	Zat Organik	ppm KmnO4	10	5,58	6,51	4,96	5,89	5,27	
8.	Sulfida	ppm H2S	0.05	0,01	0,01	0,02	0,02	0,01	
9.	Total coli	Org/100 ml	0	0	0	0	0	0	
10.	Fecal coli	Org/100 ml	0	0	0	0	0	0	
11.	Klorin bebas	ppm Cl2	-	1,0	0,8	1,5	1,5	1,25	
12.	Detergent	Ppm MBAS	0,05	0,03	0,04	0,03	0,02	0,03	

PERMENKES RI : Syarat-syarat kualitas air minum maksimum yang diperbolehkan sesuai PERMENKES RI No. 416/MENKES/PER/IX/90

Lampiran 2.1

----------ONEWAY----------

Variable BERAT
By Variable GROUP

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	3	38.8420	12.9473	2.8021	.0537
Within Groups	36	166.3420	4.6206		
Total	39	205.1840			

Group	Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	95 Pct Conf Int for Mean
Grp 1	10	29.3400	1.7576	.5558	25.7000	31.6000	28.0827 To 30.5973
Grp 2	10	29.1400	2.5661	.8115	25.2000	32.2000	27.3043 To 30.9757
Grp 3	10	26.8900	1.4992	.4741	25.4000	30.2000	25.8175 To 27.9625
Grp 4	10	28.9500	2.3614	.8100	25.4000	32.2000	27.1177 To 30.7823
Total	40	28.5800	2.2937	.3627	25.2000	32.2000	27.8464 To 29.3136
Fixed Effects Model			2.1496	.3399			27.8907 To 29.2693
Random Effects Model				.5689			26.7694 To 30.3906

Random Effects Model - Estimate of Between Component Variance .8327

Tests for Homogeneity of Variances
Cochrans C = Max. Variance/Sum(Variances) = .3563, P = .593 (Approx.)
Bartlett-Box F = 1.200 , P = .308
Maximum Variance / Minimum Variance 2.930

Multiple Range Test

Tukey-HSD Procedure
Ranges for the .050 level -

3.81 3.81 3.81

The ranges above are table ranges.
The value actually compared with Mean(J)-Mean(I) is..
1.5200 * Range * Sqrt(1/N(I) + 1/N(J))

No two groups are significantly different at the .050 level

Homogeneous Subsets (Subsets of groups, whose highest and lowest means do not differ by more than the shortest significant range for a subset of that size)

SUBSET 1

Group	Grp 3	Grp 4	Grp 2	Grp 1
Mean	26.8900	28.9500	29.1400	29.3400

Lampiran 2.2

----------ONEWAY----------

Variable UMUR
By Variable GROUP

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	3	14.4000	4.8000	.3179	.8124
Within Groups	36	543.6000	15.1000		
Total	39	558.0000			

Group	Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	95 Pct Conf Int for Mean
Grp 1	10	50.3000	3.8887	1.2297	45.0000	55.0000	47.5182 To 53.0818
Grp 2	10	51.5000	3.7786	1.1949	45.0000	58.0000	48.7970 To 54.2030
Grp 3	10	49.9000	3.0350	.9597	45.0000	55.0000	47.7289 To 52.0711
Grp 4	10	50.3000	4.6679	1.4761	45.0000	58.0000	46.9608 To 53.6392
Total	40	50.5000	3.7826	.5981	45.0000	58.0000	49.2903 To 51.7097
Fixed Effects Model			3.8859	.6144			49.2539 To 51.7461
Random Effects Model				.6144			48.5447 To 52.4553

WARNING - Between component variance is negative
it was replaced by 0.0 in computing above random effects measures

Random Effects Model - Estimate of Between Component Variance -1.0300

Tests for Homogeneity of Variances
Cochrans C = Max. Variance/Sum(Variances) = .3607, P = .558 (Approx.)
Bartlett-Box F = .522 , P = .667
Maximum Variance / Minimum Variance 2.366

Multiple Range Test

Tukey-HSD Procedure
Ranges for the .050 level -

3.81 3.81 3.81

The ranges above are table ranges.
The value actually compared with Mean(J)-Mean(I) is..
2.7477 * Range * Sqrt(1/N(I) + 1/N(J))

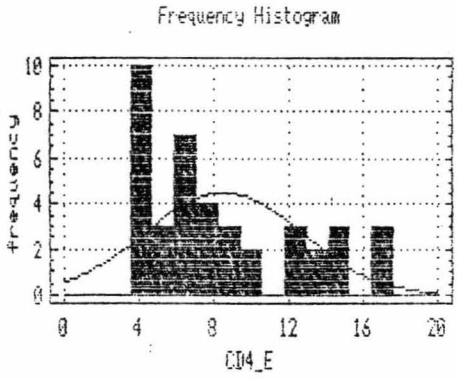
No two groups are significantly different at the .050 level

Homogeneous Subsets (Subsets of groups, whose highest and lowest means do not differ by more than the shortest significant range for a subset of that size)

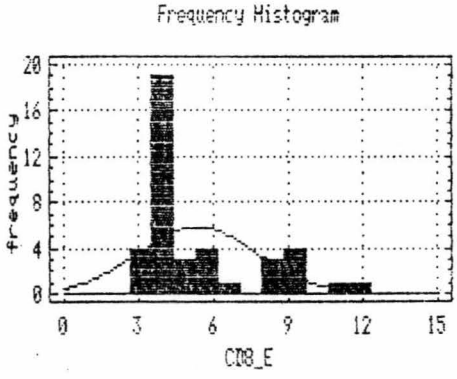
SUBSET 1

Lampiran 3.1

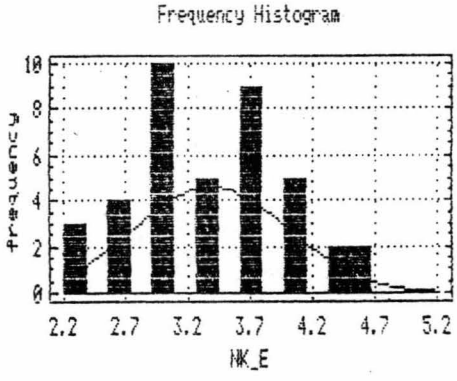
Estimated KOLMOGOROV statistic DPLUS = 0.149609
Estimated KOLMOGOROV statistic DMINUS = 0.121145
Estimated overall statistic DN = 0.149609
Approximate significance level = 0.332163



Estimated KOLMOGOROV statistic DPLUS = 0.268008
Estimated KOLMOGOROV statistic DMINUS = 0.137712
Estimated overall statistic DN = 0.268008
Approximate significance level = 6.38928E-3

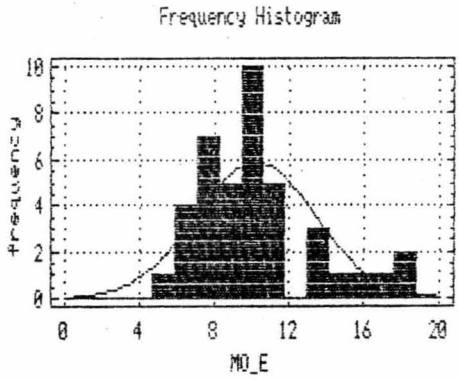


Estimated KOLMOGOROV statistic DPLUS = 0.159793
Estimated KOLMOGOROV statistic DMINUS = 0.1301
Estimated overall statistic DN = 0.159793
Approximate significance level = 0.258789



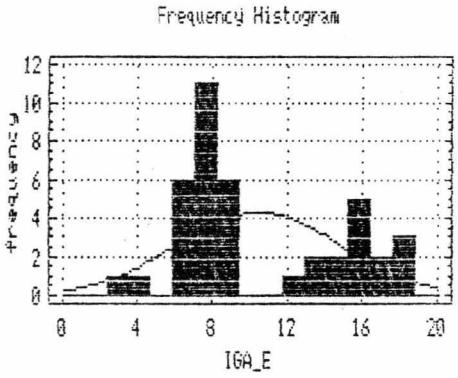
Lampiran 3.2

Estimated KOLMOGOROV statistic DPLUS = 0.160774
Estimated KOLMOGOROV statistic DMINUS = 0.0682302
Estimated overall statistic DN = 0.160774
Approximate significance level = 0.252397

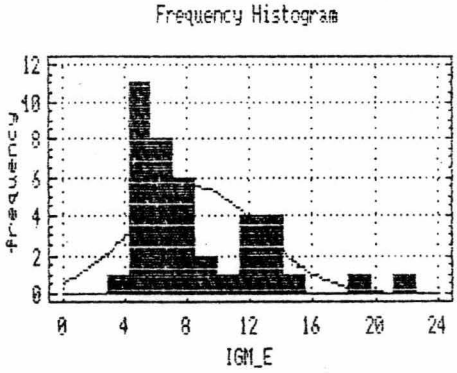


Lampiran 3.3

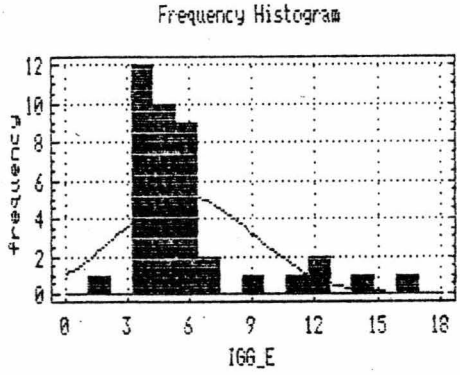
Estimated KOLMOGOROV statistic DPLUS = 0.229596
Estimated KOLMOGOROV statistic DMINUS = 0.123487
Estimated overall statistic DN = 0.229596
Approximate significance level = 0.0294808



Estimated KOLMOGOROV statistic DPLUS = 0.174047
Estimated KOLMOGOROV statistic DMINUS = 0.132122
Estimated overall statistic DN = 0.174047
Approximate significance level = 0.17712

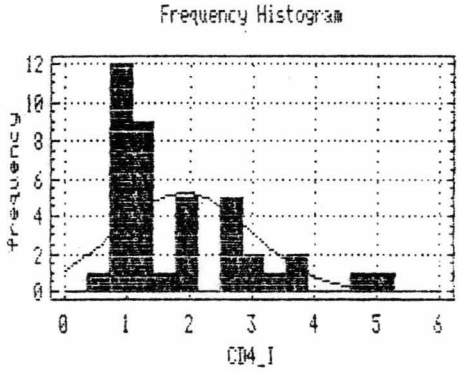


Estimated KOLMOGOROV statistic DPLUS = 0.254987
Estimated KOLMOGOROV statistic DMINUS = 0.201813
Estimated overall statistic DN = 0.254987
Approximate significance level = 0.011017

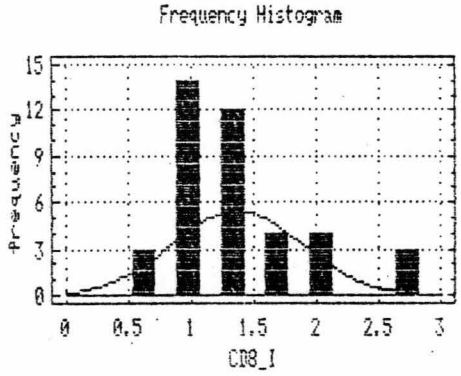


Lampiran 3.4

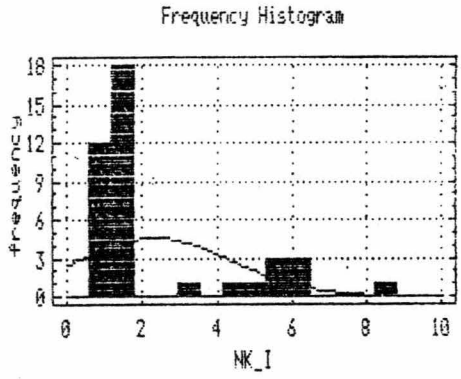
Estimated KOLMOGOROV statistic DPLUS = 0.251683
Estimated KOLMOGOROV statistic DMINUS = 0.176676
Estimated overall statistic DN = 0.251683
Approximate significance level = 0.0125957



Estimated KOLMOGOROV statistic DPLUS = 0.253146
Estimated KOLMOGOROV statistic DMINUS = 0.164178
Estimated overall statistic DN = 0.253146
Approximate significance level = 0.0118729

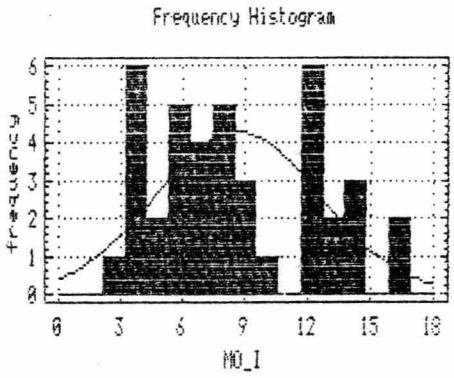


Estimated KOLMOGOROV statistic DPLUS = 0.375787
Estimated KOLMOGOROV statistic DMINUS = 0.210572
Estimated overall statistic DN = 0.375787
Approximate significance level = 2.48139E-5



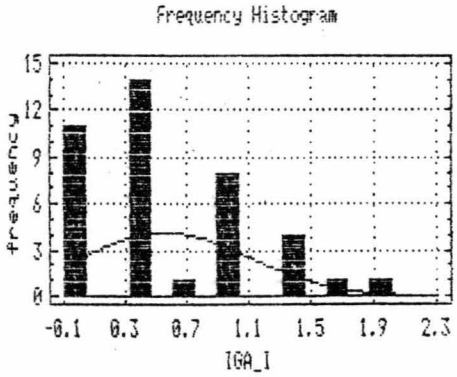
Lampiran 3.5

Estimated KOLMOGOROV statistic DPLUS = 0.117956
Estimated KOLMOGOROV statistic DMINUS = 0.106359
Estimated overall statistic DN = 0.117956
Approximate significance level = 0.63387

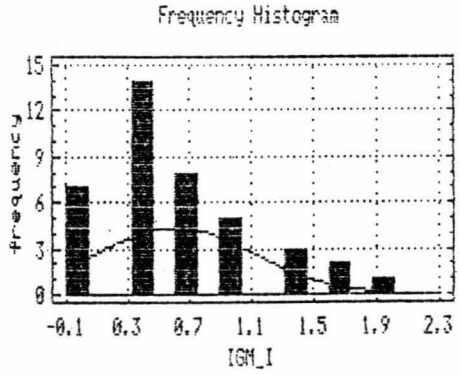


Lampiran 3.6

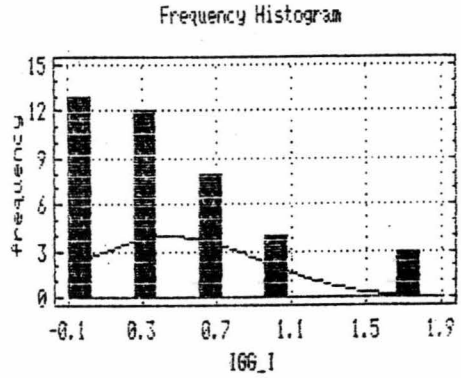
Estimated KOLMOGOROV statistic DPLUS = 0.28752
Estimated KOLMOGOROV statistic DMINUS = 0.151747
Estimated overall statistic DN = 0.28752
Approximate significance level = 2.68446E-3



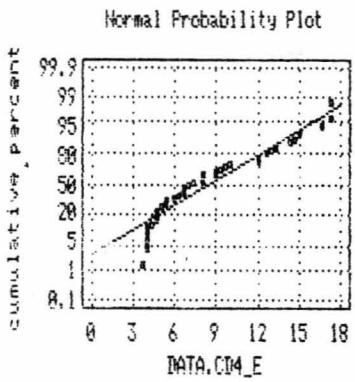
Estimated KOLMOGOROV statistic DPLUS = 0.231237
Estimated KOLMOGOROV statistic DMINUS = 0.118763
Estimated overall statistic DN = 0.231237
Approximate significance level = 0.0277506

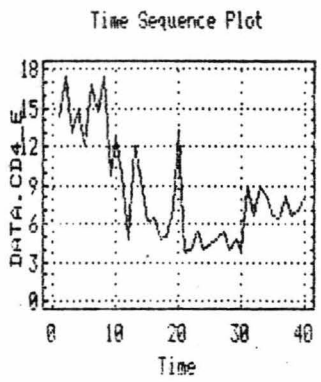


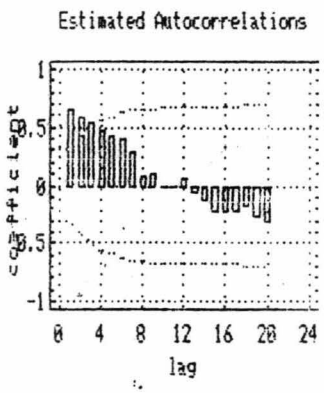
Estimated KOLMOGOROV statistic DPLUS = 0.231037
Estimated KOLMOGOROV statistic DMINUS = 0.168235
Estimated overall statistic DN = 0.231037
Approximate significance level = 0.0279566

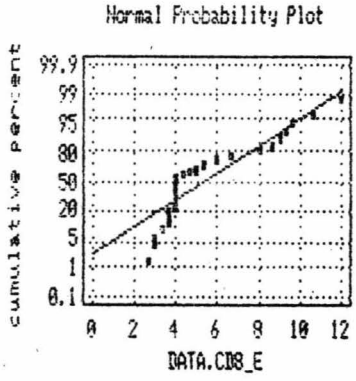


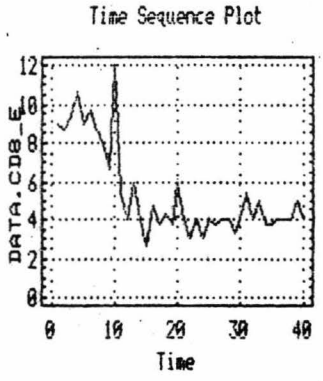
Lampiran 3.7

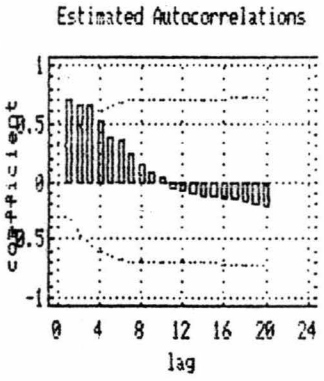

Normal Probability Plot
cumulative percent
99.9
99
95
80
50
20
5
1
0.1
0 3 6 9 12 15 18
DATA.CD4_E


Time Sequence Plot
DATA.CD4_E
18
15
12
9
6
3
0
0 10 20 30 40
Time

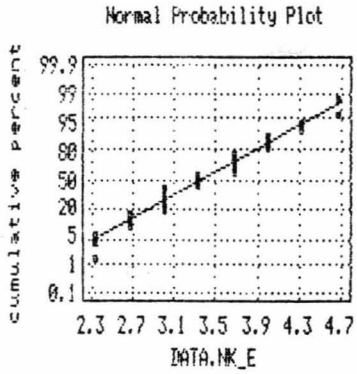

Estimated Autocorrelations
coefficient
1
0.5
0
-0.5
-1
0 4 8 12 16 20 24
lag

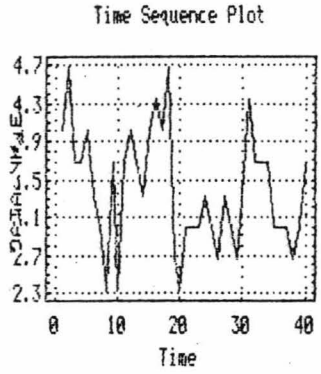

Normal Probability Plot
cumulative percent
99.9
99
95
80
50
20
5
1
0.1
0 2 4 6 8 10 12
DATA.CD8_E

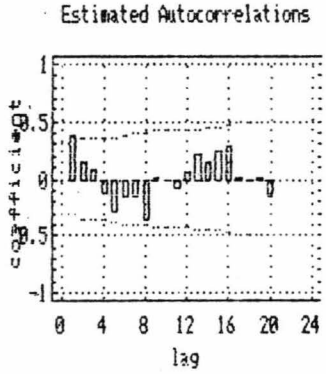

Time Sequence Plot
DATA.CD8_E
12
10
8
6
4
2
0
0 10 20 30 40
Time

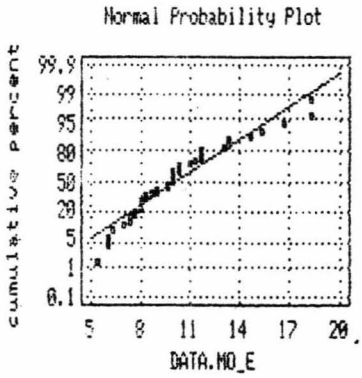

Estimated Autocorrelations
coefficient
1
0.5
0
-0.5
-1
0 4 8 12 16 20 24
lag

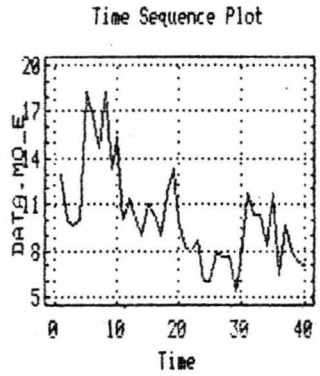
Lampiran 3.8

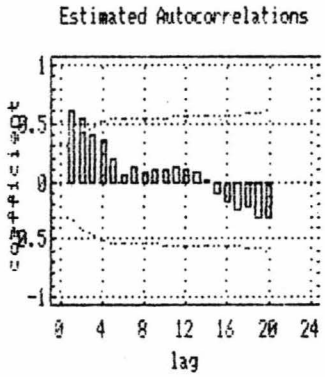

Normal Probability Plot
cumulative percent
99.9
99
95
80
50
20
5
1
0.1
2.3 2.7 3.1 3.5 3.9 4.3 4.7
DATA.NK_E


Time Sequence Plot
4.7
4.3
3.9
3.5
3.1
2.7
2.3
0 10 20 30 40
Time

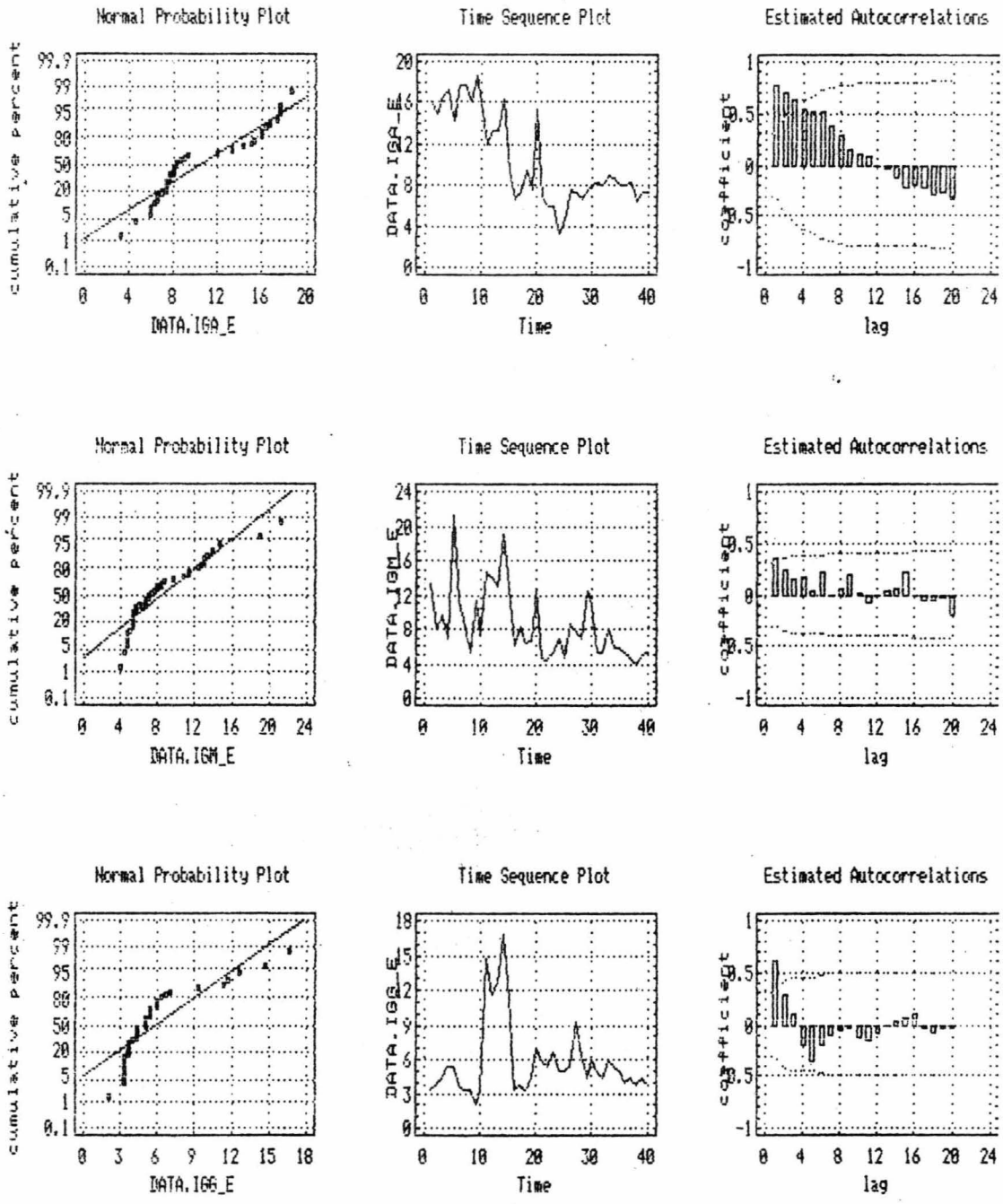

Estimated Autocorrelations
1
0.5
0
-0.5
-1
0 4 8 12 16 20 24
lag


Normal Probability Plot
cumulative percent
99.9
99
95
80
50
20
5
1
0.1
5 8 11 14 17 20
DATA.MO_E

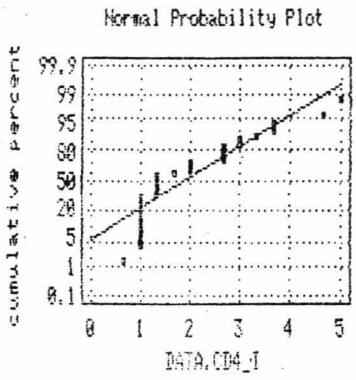

Time Sequence Plot
20
17
14
11
8
5
0 10 20 30 40
Time

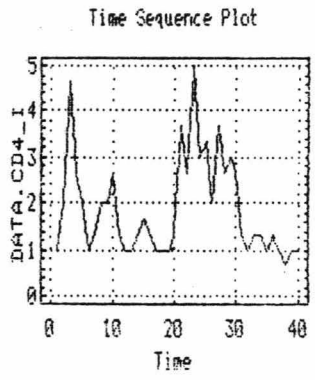

Estimated Autocorrelations
1
0.5
0
-0.5
-1
0 4 8 12 16 20 24
lag

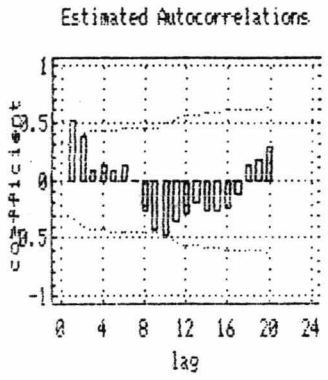
Lampiran 3.9

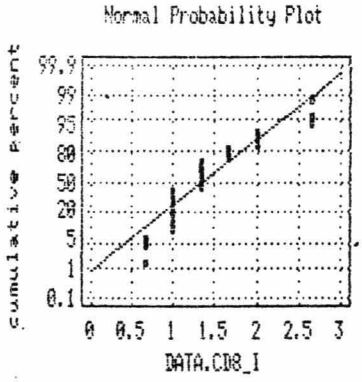

Normal Probability Plot
cumulative percent
99.9
99
95
80
50
20
5
1
0.1
0 4 8 12 16 20
DATA.IGA_E
Time Sequence Plot
DATA.IGA_E
20
16
12
8
4
0
0 10 20 30 40
Time
Estimated Autocorrelations
coefficient
1
0.5
0
-0.5
-1
0 4 8 12 16 20 24
lag
Normal Probability Plot
cumulative percent
99.9
99
95
80
50
20
5
1
0.1
0 4 8 12 16 20 24
DATA.IGM_E
Time Sequence Plot
DATA.IGM_E
24
20
16
12
8
4
0
0 10 20 30 40
Time
Estimated Autocorrelations
coefficient
1
0.5
0
-0.5
-1
0 4 8 12 16 20 24
lag
Normal Probability Plot
cumulative percent
99.9
99
95
80
50
20
5
1
0.1
0 3 6 9 12 15 18
DATA.IGG_E
Time Sequence Plot
DATA.IGG_E
18
15
12
9
6
3
0
0 10 20 30 40
Time
Estimated Autocorrelations
coefficient
1
0.5
0
-0.5
-1
0 4 8 12 16 20 24
lag

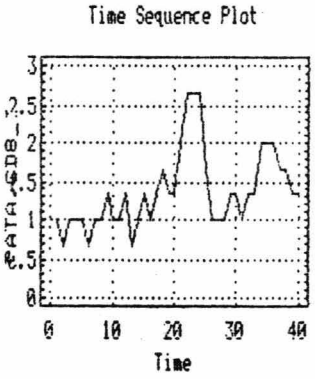
Lampiran 3.10

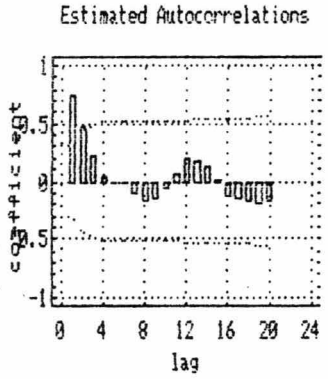




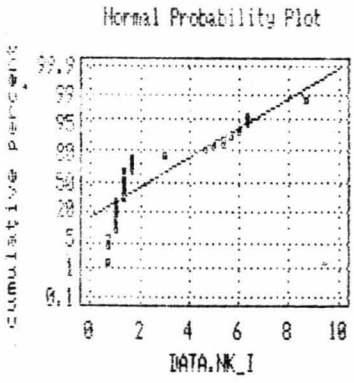


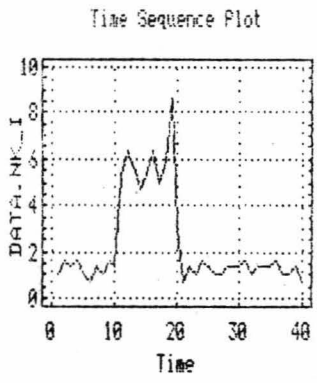


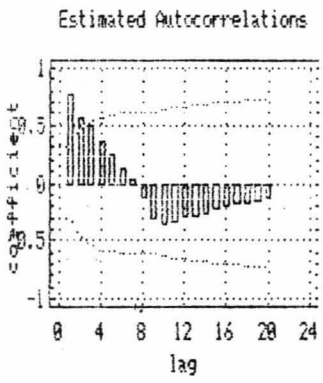


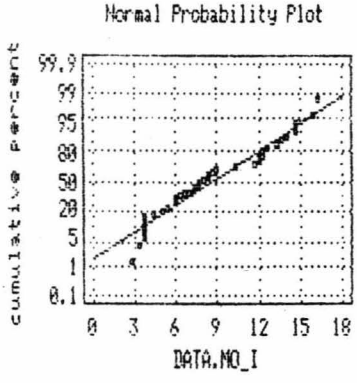


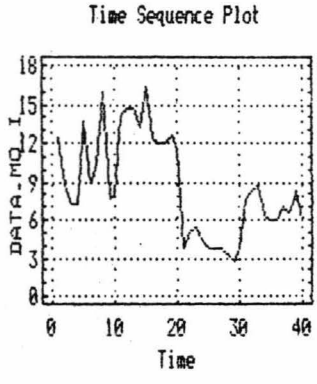
Lampiran 3.11

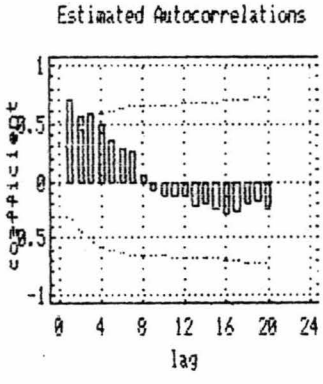




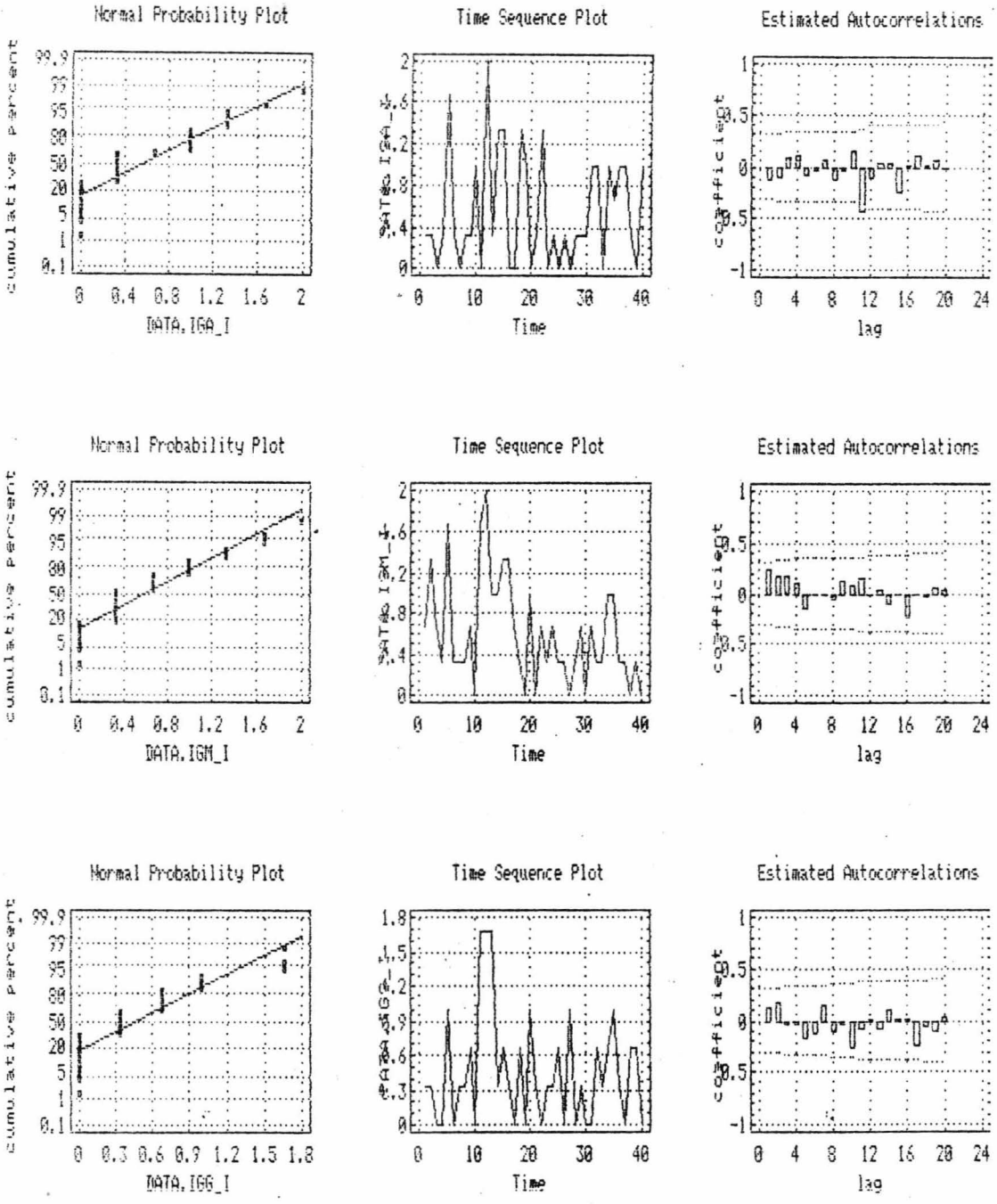








Lampiran 3.12



UJI HOMOGENITAS DATA (antar pengamat I & pengamat II)

```
MAN IGA_I IGA_E IGM_I IGM_E IGG_I IGG_E CD4_I CD4_E CD8_I CD8_E NK_I NK_E MO_I MO_E
 BY amat(1,2)/pri cell (all)/pri homo (all)/pri signif (all)/disc/desig.

      120 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.

- - - - - - - - - -
            CELL NUMBER
              1   2
Variable
 AMAT         1   2
```

Cell Means and Standard Deviations

Variable .. IGA_I

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	.560	.533	60	.422	.698
AMAT	pengamat 2	.594	.484	60	.469	.719
For entire sample		.577	.507	120	.485	.669

Variable .. IGA_E

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	10.089	4.017	60	9.051	11.126
AMAT	pengamat 2	10.250	4.151	60	9.178	11.322
For entire sample		10.169	4.068	120	9.434	10.905

Variable .. IGM_I

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	.516	.474	60	.393	.638
AMAT	pengamat 2	.611	.593	60	.458	.764
For entire sample		.564	.537	120	.466	.661

Variable .. IGM_E

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	7.118	4.211	60	6.030	8.206
AMAT	pengamat 2	7.405	4.677	60	6.197	8.614
For entire sample		7.262	4.434	120	6.460	8.063

Lampiran 4.2

Variable .. IGG_I

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	.406	.431	60	.294	.517
AMAT	pengamat 2	.500	.493	60	.372	.627
For entire sample		.453	.464	120	.369	.537

Variable .. IGG_E

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	5.639	3.230	60	4.804	6.473
AMAT	pengamat 2	5.777	3.510	60	4.871	6.684
For entire sample		5.708	3.360	120	5.101	6.315

Variable .. CD4_I

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	1.589	1.000	60	1.330	1.847
AMAT	pengamat 2	1.739	1.216	60	1.425	2.053
For entire sample		1.664	1.111	120	1.463	1.865

Variable .. CD4_E

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	7.522	4.011	60	6.486	8.558
AMAT	pengamat 2	7.800	4.609	60	6.610	8.991
For entire sample		7.661	4.305	120	6.883	8.439

Variable .. CD8_I

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	1.200	.525	60	1.064	1.336
AMAT	pengamat 2	1.217	.591	60	1.064	1.369
For entire sample		1.208	.557	120	1.108	1.309

Variable .. CD8_E

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	5.473	2.200	60	4.905	6.041
AMAT	pengamat 2	5.528	2.282	60	4.939	6.117
For entire sample		5.500	2.232	120	5.097	5.904

Variable .. NK_I

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	1.883	1.814	60	1.414	2.352
AMAT	pengamat 2	1.934	1.878	60	1.448	2.419
For entire sample		1.908	1.839	120	1.576	2.241

Lampiran 4.3

- - - - - - - - - - -

Variable .. NK_E

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	3.506	1.316	60	3.166	3.846
AMAT	pengamat 2	3.383	1.313	60	3.044	3.723
For entire sample		3.445	1.310	120	3.208	3.682

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Variable .. MO_I

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	7.428	3.735	60	6.463	8.393
AMAT	pengamat 2	7.805	4.041	60	6.762	8.849
For entire sample		7.617	3.880	120	6.915	8.318

- - - - - - - - - - -

Variable .. MO_E

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
AMAT	pengamat 1	9.544	3.028	60	8.762	10.326
AMAT	pengamat 2	9.600	3.244	60	8.762	10.438
For entire sample		9.572	3.125	120	9.007	10.137

Lampiran 4.4

* * * * * ANALYSIS OF VARIANCE -- DESIGN 1 * * * * *

EFFECT .. AMAT

Multivariate Tests of Significance (S = 1, M = 6 , N = 51 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.03469	.26950	14.00	105.00	.996
Hotellings	.03593	.26950	14.00	105.00	.996
Wilks	.96531	.26950	14.00	105.00	.996
Roys	.03469				

Eigenvalues and Canonical Correlations

Root No.	Eigenvalue	Pct.	Cum. Pct.	Canon Cor.
1	.03593	100.00000	100.00000	.18624

Univariate F-tests with (1,118) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
IGA_I	.03536	30.59747	.03536	.25930	.13638	.713
IGA_E	.78085	1968.90570	.78085	16.68564	.04680	.829
IGM_I	.27265	33.99768	.27265	.28812	.94633	.333
IGM_E	2.47394	2336.89819	2.47394	19.80422	.12492	.724
IGG_I	.26508	25.33567	.26508	.21471	1.23460	.269
IGG_E	.57685	1342.55227	.57685	11.37756	.05070	.822
CD4_I	.67500	146.32924	.67500	1.24008	.54432	.462
CD4_E	2.32130	2202.86041	2.32130	18.66831	.12434	.725
CD8_I	.00817	36.91737	.00817	.31286	.02611	.872
CD8_E	.09130	592.67278	.09130	5.02265	.01818	.893
NK_I	.07651	402.21202	.07651	3.40858	.02245	.881
NK_E	.44896	203.87103	.44896	1.72772	.25986	.611
MO_I	4.28274	1786.77036	4.28274	15.14212	.28284	.596
MO_E	.09352	1161.71586	.09352	9.84505	.00950	.923

Averaged F-test with (14,1652) D. F.

VARIABLES	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
1 to 14	12.40225	12271.63604	.88587	7.42835	.11926	1.000

Lampiran 4.5

* * * * * ANALYSIS OF VARIANCE -- DESIGN 1 * * * * *

EFFECT .. CONSTANT

Multivariate Tests of Significance (S = 1, M = 6 , N = 51 1/2)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.96952	238.54340	14.00	105.00	.000
Hotellings	31.80579	238.54340	14.00	105.00	.000
Wilks	.03048	238.54340	14.00	105.00	.000
Roys	.96752				

Eigenvalues and Canonical Correlations

Root No.	Eigenvalue	Pct.	Cum. Pct.	Canon Cor.
1	31.80579	100.00000	100.00000	.98464

Univariate F-tests with (1,118) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
IGA_I	39.97456	30.59747	39.97456	.25930	154.16301	.000
IGA_E	12409.8408	1968.90570	12409.8408	16.68564	743.74371	.000
IGM_I	38.10387	33.99768	38.10387	.28812	132.25188	.000
IGM_E	6327.96155	2336.89819	6327.96155	19.80422	319.52589	.000
IGG_I	24.58885	25.33567	24.58885	.21471	114.52175	.000
IGG_E	3909.75167	1342.55227	3909.75167	11.37756	343.63705	.000
CD4_I	332.20097	146.32924	332.20097	1.24008	267.88710	.000
CD4_E	7043.37020	2202.86041	7043.37020	18.66831	377.29022	.000
CD8_I	175.18417	36.91737	175.18417	.31286	559.94603	.000
CD8_E	3630.55003	592.67278	3630.55003	5.02265	722.83546	.000
NK_I	436.97017	402.21202	436.97017	3.40858	128.19726	.000
NK_E	1423.88741	203.87103	1423.88741	1.72772	824.14220	.000
MO_I	6961.48100	1786.77036	6961.48100	15.14212	459.74277	.000
MO_E	10994.9735	1161.71586	10994.9735	9.84505	1116.80224	.000

Averaged F-test with (14,1652) D. F.

VARIABLES	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
1 to 14	53748.83882	12271.63604	3839.20277	7.42835	516.83109	.000

Lampiran 5.1

```
MANOVA IGA_I IGG_I IGM_I CD4_I CD8_I NK_I MD_I BY group(1,2)/pri cell (all)/pri homo (all)/pri signif (all)/disc/desig.

      20 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.

- - - - - - - - - -
            CELL NUMBER
             1    2
Variable
 GROUP       1    2

Cell Means and Standard Deviations
Variable .. IGA_I
    FACTOR          CODE                Mean  Std. Dev.        N  95 percent Conf. Interval

 GROUP          ABG-K                 -.134       .672       10      -.614       .346
 GROUP          LAG-K                  .268       .814       10      -.315       .851
For entire sample                      .067       .755       20      -.286       .420

- - - - - - - - - -
Variable .. IGG_I
    FACTOR          CODE                Mean  Std. Dev.        N  95 percent Conf. Interval

 GROUP          ABG-K                  .000       .351       10      -.251       .251
 GROUP          LAG-K                 -.166       .393       10      -.447       .115
For entire sample                      -.083       .373       20      -.257       .091

- - - - - - - - - -
Variable .. IGM_I
    FACTOR          CODE                Mean  Std. Dev.        N  95 percent Conf. Interval

 GROUP          ABG-K                 -.300       .485       10      -.647       .047
 GROUP          LAG-K                 -.367       .595       10      -.793       .059
For entire sample                      -.334       .530       20      -.581      -.086

- - - - - - - - - -
Variable .. CD4_I
    FACTOR          CODE                Mean  Std. Dev.        N  95 percent Conf. Interval

 GROUP          ABG-K                 1.034       .869       10       .412      1.656
 GROUP          LAG-K                -1.367      1.083       10     -2.142      -.592
For entire sample                      -.166      1.559       20      -.896       .563

- - - - - - - - - -
Variable .. CD8_I
    FACTOR          CODE                Mean  Std. Dev.        N  95 percent Conf. Interval

 GROUP          ABG-K                  .767       .772       10       .215      1.319
 GROUP          LAG-K                 -.232       .225       10      -.393      -.071
For entire sample                      .267       .754       20      -.085       .620
```

Lampiran 5.2

Variable .. NK_I

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
GROUP	ABS-K	-.068	.305	10	-.286	.150
GROUP	LAS-K	-.567	.525	10	-.942	-.192
For entire sample		-.318	.490	20	-.547	-.088

- - - - - - - - - - -

Variable .. MO_I

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
GROUP	ABS-K	-6.132	3.375	10	-8.546	-3.718
GROUP	LAS-K	-6.267	3.478	10	-8.755	-3.779
For entire sample		-6.199	3.336	20	-7.761	-4.638

Lampiran 5.3

* * * * * ANALYSIS OF VARIANCE -- DESIGN 1 * * * * *

EFFECT .. GROUP

Multivariate Tests of Significance (S = 1, M = 2 1/2, N = 5)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.78338	6.19955	7.00	12.00	.003
Hotellings	3.61640	6.19955	7.00	12.00	.003
Wilks	.21662	6.19955	7.00	12.00	.003
Roys	.78338				

Eigenvalues and Canonical Correlations

Root No.	Eigenvalue	Pct.	Cum. Pct.	Canon Cor.
1	3.61640	100.00000	100.00000	.88509

Univariate F-tests with (1,18) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
IGA_I	.80802	10.02680	.80802	.55704	1.45055	.244
IGG_I	.13778	2.50024	.13778	.13890	.99192	.332
IGM_I	.02244	5.31121	.02244	.29507	.07607	.786
CD4_I	28.82401	17.34845	28.82401	.96380	29.90654	.000
CD8_I	4.99001	5.81677	4.99001	.32315	15.44158	.001
NK_I	1.24501	3.31697	1.24501	.18428	6.75619	.018
MO_I	.09113	211.37097	.09113	11.74283	.00776	.931

Averaged F-test with (7,126) D. F.

VARIABLES	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
1 to 7	36.11839	255.69141	5.15977	2.02930	2.54264	.018

Lampiran 5.4

* * * * * ANALYSIS OF VARIANCE -- DESIGN 1 * * * * *

EFFECT .. CONSTANT

Multivariate Tests of Significance (S = 1, M = 2 1/2, N = 5)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.91890	19.42245	7.00	12.00	.000
Hotellings	11.32976	19.42245	7.00	12.00	.000
Wilks	.08110	19.42245	7.00	12.00	.000
Roys	.91890				

Eigenvalues and Canonical Correlations

Root No.	Eigenvalue	Pct.	Cum. Pct.	Canon Cor.
1	11.32976	100.00000	100.00000	.95859

Univariate F-tests with (1,18) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
IGA_I	.08978	10.02680	.08978	.55704	.16117	.693
IGG_I	.13778	2.50024	.13778	.13890	.99192	.332
IGM_I	2.22445	5.31121	2.22445	.29507	7.53877	.013
CD4_I	.55444	17.34843	.55444	.96380	.57527	.458
CD8_I	1.43112	5.81677	1.43112	.32315	4.42862	.050
NK_I	2.01613	3.31697	2.01613	.18428	10.94078	.004
MO_I	768.67600	211.37097	768.67600	11.74283	65.45917	.000

Averaged F-test with (7,126) D. F.

VARIABLES	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
1 to 7	775.12970	255.69141	110.73281	2.02930	54.56708	.000

Lampiran 6.1

```
MAN  IGA_E IGM_E IGG_E CD4_E CD8_E NK_E MO_E BY group(1,2)/pri cell (all)/pri homo (all)/pri signif (all)/disc/desig.

      20 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.

- - - - - - - - - -
            CELL NUMBER
              1    2
Variable
 GROUP        1    2

Cell Means and Standard Deviations
Variable .. IGA_E
    FACTOR          CODE              Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP          ABS-K             -10.100      1.634      10   -11.269     -8.931
 GROUP          LAS-K             -10.000      1.476      10   -11.056     -8.944
For entire sample                 -10.050      1.516      20   -10.760     -9.340

- - - - - - - - - -
Variable .. IGM_E
    FACTOR          CODE              Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP          ABS-K              -3.041      5.915      10    -7.272      1.190
 GROUP          LAS-K              -8.575      4.624      10   -11.883     -5.267
For entire sample                  -5.808      5.896      20    -8.567     -3.049

- - - - - - - - - -
Variable .. IGG_E
    FACTOR          CODE              Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP          ABS-K              2.167      1.793      10      .884      3.450
 GROUP          LAS-K             -1.063      1.041      10    -1.808      -.318
For entire sample                   .552      2.187      20     -.471      1.575

- - - - - - - - - -
Variable .. CD4_E
    FACTOR          CODE              Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP          ABS-K              -9.867      2.698      10   -11.797     -7.937
 GROUP          LAS-K             -11.402      2.733      10   -13.357     -9.447
For entire sample                 -10.635      2.758      20   -11.925     -9.344

- - - - - - - - - -
Variable .. CD8_E
    FACTOR          CODE              Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP          ABS-K              -5.468      1.467      10    -6.517     -4.419
 GROUP          LAS-K              -5.034      1.536      10    -6.133     -3.935
For entire sample                  -5.251      1.479      20    -5.943     -4.559
```

Lampiran 6.2

Variable .. NK_E

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
GROUP	ABS-K	-.434	.847	10	-1.040	.172
GROUP	LAS-K	-1.667	.970	10	-2.361	-.973
For entire sample		-1.051	1.089	20	-1.560	-.541

- - - - - - - - - -

Variable .. MO_E

FACTOR	CODE	Mean	Std. Dev.	N	95 percent Conf. Interval	
GROUP	ABS-K	-6.633	3.662	10	-9.252	-4.014
GROUP	LAS-K	-7.533	3.586	10	-10.099	-4.967
For entire sample		-7.083	3.558	20	-8.748	-5.418

Lampiran 6.3

* * * * * ANALYSIS OF VARIANCE -- DESIGN 1 * * * * *

EFFECT .. GROUP

Multivariate Tests of Significance (S = 1, M = 2 1/2, N = 5)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.65816	3.30063	7.00	12.00	.034
Hotellings	1.92537	3.30063	7.00	12.00	.034
Wilks	.34184	3.30063	7.00	12.00	.034
Roys	.65816				

Eigenvalues and Canonical Correlations

Root No.	Eigenvalue	Pct.	Cum. Pct.	Canon Cor.
1	1.92537	100.00000	100.00000	.81127

Univariate F-tests with (1,18) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
IGA_E	.05000	43.63360	.05000	2.42409	.02063	.887
IGM_E	153.12578	507.34253	153.12578	28.18570	5.43275	.032
IGG_E	52.16450	38.68182	52.16450	2.14899	24.27396	.000
CD4_E	11.78113	132.73397	11.78113	7.37411	1.59763	.222
CD8_E	.94178	40.60060	.94178	2.25559	.41753	.526
NK_E	7.60145	14.93225	7.60145	.82957	9.16312	.007
MO_E	4.05000	236.43462	4.05000	13.13526	.30833	.586

Averaged F-test with (7,126) D. F.

VARIABLES	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
1 to 7	229.71463	1014.35939	32.81638	8.05047	4.07633	.000

Lampiran 6.4

* * * * * ANALYSIS OF VARIANCE -- DESIGN 1 * * * * *

EFFECT .. CONSTANT

Multivariate Tests of Significance (S = 1, M = 2 1/2, N = 5)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.99470	321.71059	7.00	12.00	.000
Hotellings	187.66451	321.71059	7.00	12.00	.000
Wilks	.00530	321.71059	7.00	12.00	.000
Roys	.99470				

Eigenvalues and Canonical Correlations

Root No.	Eigenvalue	Pct.	Cum. Pct.	Canon Cor.
1	187.66451	100.00000	100.00000	.99735

Univariate F-tests with (1,18) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
IGA_E	2020.05000	43.63360	2020.05000	2.42409	833.32337	.000
IGM_E	674.65728	507.34253	674.65728	28.18570	23.93616	.000
IGG_E	6.09408	38.68182	6.09408	2.14899	2.83579	.109
CD4_E	2261.85182	132.73397	2261.85182	7.37411	306.72882	.000
CD8_E	551.46002	40.60060	551.46002	2.25559	244.48604	.000
NK_E	22.07101	14.93225	22.07101	.82957	26.60337	.000
MO_E	1003.37778	236.43462	1003.37778	13.13526	76.38814	.000

Averaged F-test with (7,126) D. F.

VARIABLES	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
1 to 7	6539.56198	1014.35939	934.22314	8.05047	116.04577	.000

Lampiran 7.1

dsc group group(1,2)/VAR IGA_I IGM_I IGG_I CD4_I CD8_I NK_I MD_I /met rao/PIN=0.5/POUT=0.5/ana all/stat all.

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

On groups defined by GROUP

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

Number of Cases by Group

	Number of Cases		
GROUP	Unweighted	Weighted	Label
1	10	10.0	ABS-K
2	10	10.0	LAS-K
Total	20	20.0	

Group Means

GROUP	IGA_I	IGM_I	IGG_I	CD4_I	CD8_I	NK_I	MD_I
1	-.13400	-.30000	.00000	1.03400	.76700	-.06800	-6.13200
2	.26800	-.36700	-.16600	-1.36700	-.23200	-.56700	-6.26700
Total	.06700	-.33350	-.08300	-.16650	.26750	-.31750	-6.19950

Group Standard Deviations

GROUP	IGA_I	IGM_I	IGG_I	CD4_I	CD8_I	NK_I	MD_I
1	.67150	.48536	.35103	.86906	.77184	.30521	3.37462
2	.81433	.59545	.39317	1.08274	.22489	.52479	3.47816
Total	.73515	.52983	.37262	1.55889	.75417	.49000	3.33610

Wilks' Lambda (U-statistic) and univariate F-ratio
with 1 and 18 degrees of freedom

Variable	Wilks' Lambda	F	Significance
IGA_I	.92542	1.451	.2440
IGM_I	.99579	.7607E-01	.7858
IGG_I	.94777	.9919	.3325
CD4_I	.37573	29.91	.0000
CD8_I	.53825	15.44	.0010
NK_I	.72709	6.756	.0181
MD_I	.99957	.7760E-02	.9308

Lampiran 7.2

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

On groups defined by GROUP

Analysis number      1

Stepwise variable selection

     Selection rule:  Maximize Rao's V
     Maximum number of steps.....                14
     Minimum Tolerance Level.....              .00100
     Maximum significance of F to enter.....   .50000
     Minimum significance of F to remove.....  .50000
     Minimum increase in Rao's V.............  .00000

Canonical Discriminant Functions

     Maximum number of functions.....            1
     Minimum cumulative percent of variance...  100.00
     Maximum significance of Wilks' Lambda....  1.0000

Prior probability for each group is  .50000

---------- Variables not in the analysis after step   0 ----------

                     Minimum   Signif. of
Variable  Tolerance  Tolerance  F to enter      Rao's V
IGA_I     1.0000000  1.0000000     .2440       1.450549
IGM_I     1.0000000  1.0000000     .7858
IGG_I     1.0000000  1.0000000     .3325       .9919208
CD4_I     1.0000000  1.0000000     .0000       29.90654
CD8_I     1.0000000  1.0000000     .0010       15.44157
NK_I      1.0000000  1.0000000     .0181       6.756193
MO_I      1.0000000  1.0000000     .9308

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

At step   1, CD4_I    was included in the analysis.

                              Degrees of Freedom  Signif.   Between Groups
Wilks' Lambda        .37573       1    1       18.0
Equivalent F       29.9065            1       18.0   .0000
RAO'S V            29.90654           1              .0000 (APPROX.)

---------- Variables in the analysis after step   1 ----------
                   Signif. of
Variable  Tolerance  F to remove      Rao's V
CD4_I     1.0000000     .0000
```

Lampiran 7.3

```
---------- Variables not in the analysis after step   1 ----------

                    Minimum   Signif. of
Variable  Tolerance Tolerance F to enter       Rao's V
IGA_I      .9872032 .9872032     .7298
IGM_I      .9909179 .9909179     .6395
IGG_I      .9887671 .9887671     .3585        32.41711
CD8_I      .9970261 .9970261     .0219        47.83420
NK_I       .9612466 .9612466     .3678        32.31866
MO_I       .8685510 .8685510     .2031        34.84380

F statistics and significances between pairs of groups after step   1
Each F statistic has   1 and       18.0 degrees of freedom.

              Group       1
                   ABS-K
   Group
      2  LAS-K         29.907
                        .0000

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

At step   2, CD8_I    was included in the analysis.

                              Degrees of Freedom  Signif.  Between Groups
Wilks' Lambda      .  .27341       2    1       18.0
Equivalent F          22.5884            2       17.0   .0000
RAO'S V               47.83420           2              .0000 (APPROX.)

---------- Variables in the analysis after step   2 ----------
                    Signif. of
Variable  Tolerance F to remove      Rao's V
CD4_I      .9970261     .0008
CD8_I      .9970261     .0219

---------- Variables not in the analysis after step   2 ----------

                    Minimum   Signif. of
Variable  Tolerance Tolerance F to enter       Rao's V
IGA_I      .9374266 .9374266     .4472        50.33269
IGM_I      .9756876 .9756876     .5195
IGG_I      .9843583 .9843583     .5292
NK_I       .9306870 .9306870     .2645        53.33622
MO_I       .7754500 .7754500     .6686

F statistics and significances between pairs of groups after step   2
Each F statistic has   2 and       17.0 degrees of freedom.

              Group       1
                   ABS-K
   Group
      2  LAS-K         22.588
                        .0000
```


* *

Lampiran 7.4

At step 3, NK_I was included in the analysis.

		Degrees of Freedom		Signif.	Between Groups
Wilks' Lambda	.25233	3	1	18.0	
Equivalent F	15.8033	3	16.0	.0000	
RAO'S V	53.33622	3		.0000 (APPROX.)	

---------------- Variables in the analysis after step 3 ----------------

Variable	Tolerance	Signif. of F to remove	Rao's V
CD4_I	.9607087	.0073	
CD8_I	.9653239	.0199	
NK_I	.9306870	.2645	

---------------- Variables not in the analysis after step 3 ----------------

Variable	Tolerance	Minimum Tolerance	Signif. of F to enter	Rao's V
IGA_I	.9374249	.9182214	.4806	55.82480
IGM_I	.9736852	.9287769	.5180	
IGG_I	.9744453	.9213145	.4887	55.73209
MO_I	.5790211	.5790211	.2904	59.04733

F statistics and significances between pairs of groups after step 3
Each F statistic has 3 and 16.0 degrees of freedom.

Group	Group 1 ABS-K
2 LAS-K	15.803 .0000

* *

At step 4, MO_I was included in the analysis.

		Degrees of Freedom		Signif.	Between Groups
Wilks' Lambda	.23362	4	1	18.0	
Equivalent F	12.3015	4	15.0	.0001	
RAO'S V	59.04733	4		.0000 (APPROX.)	

---------------- Variables in the analysis after step 4 ----------------

Variable	Tolerance	Signif. of F to remove	Rao's V
CD4_I	.8640891	.0055	
CD8_I	.8901042	.0886	
NK_I	.6949350	.1462	
MO_I	.5790211	.2904	

Lampiran 7.5 ---Variables not in the analysis after step 4 ----------------

Variable	Tolerance	Minimum Tolerance	Signif. of F to enter	Rao's V
IGA_I	.9253873	.5715858	.4410	62.50811
IGM_I	.8564349	.5092959	.7842	
IGG_I	.9363953	.5565304	.6468	

F statistics and significances between pairs of groups after step 4
Each F statistic has 4 and 15.0 degrees of freedom.

Group		1 ABS-K
2	LAS-K	12.302
		.0001

* *

At step 5, IGA_I was included in the analysis.

		Degrees of Freedom			Signif.	Between Groups
Wilks' Lambda	.22358	5	1	18.0		
Equivalent F	9.72348		5	14.0	.0004	
RAO'S V	62.50811		5		.0000 (APPROX.)	

---------------- Variables in the analysis after step 5 ----------------

Variable	Tolerance	Signif. of F to remove	Rao's V
IGA_I	.9253873	.4410	
CD4_I	.8608762	.0114	
CD8_I	.8600084	.0823	
NK_I	.6927440	.1571	
MO_I	.5715858	.2792	

---------------- Variables not in the analysis after step 5 ----------------

Variable	Tolerance	Minimum Tolerance	Signif. of F to enter	Rao's V
IGM_I	.8080564	.4906337	.9312	
IGG_I	.8843469	.5540309	.5359	

F statistics and significances between pairs of groups after step 5
Each F statistic has 5 and 14.0 degrees of freedom.

Group		1 ABS-K
2	LAS-K	9.7235
		.0004

F level or tolerance or VIN insufficient for further computation.

Summary Table

Step	Action Entered	Removed	Vars In	Wilks' Lambda	Sig.	Rao's V	Sig.	Change in V	Sig.	Label
1	CD4_I		1	.37573	.0000	29.90654	.0000	29.90654	.0000	
2	CD8_I		2	.27341	.0000	47.83420	.0000	17.92766	.0000	
3	NK_I		3	.25233	.0000	53.33622	.0000	5.50202	.0190	
4	MO_I		4	.23362	.0001	59.04733	.0000	5.71112	.0169	
5	IGA_I		5	.22358	.0004	62.50811	.0000	3.46078	.0628	

Classification Function Coefficients
(Fisher's Linear Discriminant Functions)

GROUP =	1 ABS-K	2 LAS-K
IGA_I	-.1477079	1.011056
CD4_I	.3036042	-2.401495
CD8_I	3.773741	.3690073
NK_I	-3.779934	-7.946833
MO_I	-.9490625	-1.395318
(constant)	-5.345580	-9.052402

Canonical Discriminant Functions

Function	Eigenvalue	Percent of Variance	Cumulative Percent	Canonical Correlation	After Function	Wilks' Lambda	Chi-squared	D.F.	Significance
					0	.2235800	23.219	5	.0003
1*	3.47267	100.00	100.00	.8811470					

* marks the 1 canonical discriminant functions remaining in the analysis.

Standardized Canonical Discriminant Function Coefficients

	FUNC 1
IGA_I	-.24460
CD4_I	.75109
CD8_I	.54740
NK_I	.50590
MO_I	.43250

Structure Matrix:

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

	FUNC 1
CD4_I	.69170
CD8_I	.49702
NK_I	.32876
IGA_I	-.15233
IGG_I	-.06227
MO_I	.01114
IGM_I	.00997

Lampiran 7.7

Unstandardized Canonical Discriminant Function Coefficients

	FUNC 1
IGA_I	-.3277268
CD4_I	.7650679
CD8_I	.9629417
NK_I	1.178500
MO_I	.1262120
(constant)	1.048380

Canonical Discriminant Functions evaluated at Group Means (Group Centroids)

Group	FUNC 1
1	1.76788
2	-1.76788

Test of equality of group covariance matrices using Box's M

The ranks and natural logarithms of determinants printed are those of the group covariance matrices.

Group Label	Rank	Log Determinant
1 ABS-K	5	-3.348707
2 LAS-K	5	-3.466072
Pooled Within-Groups Covariance Matrix	5	-1.678453

Box's M	Approximate F	Degrees of freedom		Significance
31.121	1.4361	15,	1304.5	.1224

On groups defined by GROUP

Analysis number 2
Direct method: All variables passing the tolerance test are entered.
Minimum Tolerance Level..... .00100

Canonical Discriminant Functions

Maximum number of functions..... 1
Minimum cumulative percent of variance... 100.00
Maximum significance of Wilks' Lambda.... 1.0000

Prior probability for each group is .50000

Classification Function Coefficients
(Fisher's Linear Discriminant Functions)

GROUP =	1 ABS-K	2 LAS-K
IGA_I	-.1173927	1.341299
IGM_I	.9883471	1.265270
IGG_I	1.130643	-1.008718
CD4_I	.2992906	-2.408482
CD8_I	3.993001	.5620070
NK_I	-3.997886	-8.228340
MO_I	-1.051955	-1.467894
(constant)	-8.600032	-9.237811

Canonical Discriminant Functions

Function	Eigenvalue	Percent of Variance	Cumulative Percent	Canonical Correlation	After Function	Wilks' Lambda	Chi-squared	D.F.	Significance
					0	.2166189	22.179	7	.0024
1*	3.61640	100.00	100.00	.8850882					

* marks the 1 canonical discriminant functions remaining in the analysis.

Standardized Canonical Discriminant Function Coefficients

	FUNC 1
IGA_I	-.30173
IGM_I	-.04169
IGG_I	.22098
CD4_I	.73674
CD8_I	.54055
NK_I	.50331
MO_I	.39503

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

	FUNC 1
CD4_I	.67761
CD8_I	.48705
NK_I	.32216
IGA_I	-.14928
IGG_I	.12344
IGM_I	.03418
MO_I	.01092

Unstandardized Canonical Discriminant Function Coefficients

	FUNC 1
IGA_I	-.4042723
IGM_I	-.7674836E-01
IGG_I	.5929178
CD4_I	.7504514
CD8_I	.9508903
NK_I	1.172458
MO_I	.1152762
(constant)	1.008200

Canonical Discriminant Functions evaluated at Group Means (Group Centroids)

Group	FUNC 1
1	1.80410
2	-1.80410

Test of equality of group covariance matrices using Box's M

The ranks and natural logarithms of determinants printed are those of the group covariance matrices.

Group Label	Rank	Log Determinant
1 ABS-K	7	-8.764303
2 LAS-K	7	-8.414953
Pooled Within-Groups Covariance Matrix	7	-5.310769

Box's M	Approximate F	Degrees of freedom		Significance
59.019	1.1919	28,	1129.0	.2260

Lampiran 7.10 ---------- DISCRIMINANT ANALYSIS ----------

On groups defined by GROUP

Analysis number.. 1

Number of Canonical Discriminant Functions.. 1

List of the 5 Variables used..

Variable	Label
IGA_I	
CD4_I	
CD8_I	
NK_I	
MO_I	

Classification Results -

Actual Group	No. of Cases	Predicted Group Membership 1	2
Group 1 ABS-K	10	10 100.0%	0 .0%
Group 2 LAS-K	10	0 .0%	10 100.0%

Percent of "grouped" cases correctly classified: 100.00%

Classification Processing Summary

20 Cases were processed.
0 Cases were excluded for missing or out-of-range group codes.
0 Cases had at least one missing discriminating variable.
20 Cases were used for printed output.

Lampiran 7.11 ---------- DISCRIMINANT ANALYSIS ----------

On groups defined by GROUP

Analysis number.. 2

Number of Canonical Discriminant Functions.. 1

List of the 7 Variables used..

Variable	Label
IGA_I	
IGM_I	
IGG_I	
CD4_I	
CD8_I	
NK_I	
MO_I	

Classification Results -

Actual Group	No. of Cases	Predicted Group Membership 1	2
Group 1	10	10	0
ABS-K		100.0%	.0%
Group 2	10	0	10
LAS-K		.0%	100.0%

Percent of "grouped" cases correctly classified: 100.00%

Classification Processing Summary

20 Cases were processed.
0 Cases were excluded for missing or out-of-range group codes.
0 Cases had at least one missing discriminating variable.
20 Cases were used for printed output.

Lampiran 8.1


```
dsc group group(1,2)/VAR IGA_E IGM_E IGG_E CD4_E CD8_E NK_E MO_E /met rao/PIN=0.5/POUT=0.5/ana all/stat all.
```

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

On groups defined by GROUP

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

Number of Cases by Group

GROUP	Number of Cases Unweighted	Weighted	Label
1	10	10.0	ABS-K
2	10	10.0	LAS-K
Total	20	20.0	

Group Means

GROUP	IGA_E	IGM_E	IGG_E	CD4_E	CD8_E	NK_E	MO_E
1	-10.10000	-3.04100	2.16700	-9.86700	-5.46800	-.43400	-6.63300
2	-10.00000	-8.57500	-1.06300	-11.40200	-5.03400	-1.66700	-7.53300
Total	-10.05000	-5.80800	.55200	-10.63450	-5.25100	-1.05050	-7.08300

Group Standard Deviations

GROUP	IGA_E	IGM_E	IGG_E	CD4_E	CD8_E	NK_E	MO_E
1	1.63398	5.91502	1.79296	2.69771	1.46670	.84743	3.66175
2	1.47590	4.62427	1.04080	2.73323	1.53622	.97005	3.58638
Total	1.51629	5.89589	2.18664	2.75791	1.47866	1.08903	3.55768

Wilks' Lambda (U-statistic) and univariate F-ratio
with 1 and 18 degrees of freedom

Variable	Wilks' Lambda	F	Significance
IGA_E	.99886	.2063E-01	.8874
IGM_E	.76816	5.433	.0316
IGG_E	.42579	24.27	.0001
CD4_E	.91848	1.598	.2224
CD8_E	.97733	.4175	.5263
NK_E	.66266	9.163	.0072
MO_E	.98316	.3083	.5855

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

On groups defined by GROUP

Analysis number 1

Stepwise variable selection

Selection rule: Maximize Rao's V
Maximum number of steps..... 14
Minimum Tolerance Level..... .00100
Maximum significance of F to enter..... .50000
Minimum significance of F to remove..... .50000
Minimum increase in Rao's V..... .00000

Canonical Discriminant Functions

Maximum number of functions..... 1
Minimum cumulative percent of variance... 100.00
Maximum significance of Wilks' Lambda.... 1.0000

Prior probability for each group is .50000

---------- Variables not in the analysis after step 0 ----------

Variable	Tolerance	Minimum Tolerance	Signif. of F to enter	Rao's V
IGA_E	1.0000000	1.0000000	.8374	
IGM_E	1.0000000	1.0000000	.0316	5.432748
IGG_E	1.0000000	1.0000000	.0001	24.27396
CD4_E	1.0000000	1.0000000	.2224	1.597634
CD8_E	1.0000000	1.0000000	.5263	
NK_E	1.0000000	1.0000000	.0072	9.163121
MO_E	1.0000000	1.0000000	.5855	

At step 1, IGG_E was included in the analysis.

		Degrees of Freedom		Signif.	Between Groups
Wilks' Lambda	.42579	1	1	18.0	
Equivalent F	24.2740		1	18.0	.0001
RAO'S V	24.27396		1		.0000 (APPROX.)

---------- Variables in the analysis after step 1 ----------

Variable	Tolerance	Signif. of F to remove	Rao's V
IGG_E	1.0000000	.0001	

Lampiran 8.3

---------- Variables not in the analysis after step 1 ----------

Variable	Tolerance	Minimum Tolerance	Signif. of F to enter	Rao's V
IGA_E	.9889358	.9867359	.6783	
IGM_E	.8261997	.8261997	.8491	
CD4_E	.9980000	.9980000	.5165	
CD8_E	.8836838	.8836838	.1350	30.39891
NK_E	.8314952	.8314952	.4942	25.48775
MO_E	.9969643	.9969643	.8591	

F statistics and significances between pairs of groups after step 1
Each F statistic has 1 and 18.0 degrees of freedom.

	Group	1
		ABG-K
Group		
2	LAG-K	24.274
		.0001

****

At step 2, CD8_E was included in the analysis.

		Degrees of Freedom		Signif.	Between Groups
Wilks' Lambda	.37191	2	1	18.0	
Equivalent F	14.3550		2	17.0	.0002
RAO'S V	30.39891		2		.0000 (APPROX.)

---------- Variables in the analysis after step 2 ----------

Variable	Tolerance	Signif. of F to remove	Rao's V
IGG_E	.8836838	.0001	
CD8_E	.8836838	.1350	

---------- Variables not in the analysis after step 2 ----------

Variable	Tolerance	Minimum Tolerance	Signif. of F to enter	Rao's V
IGA_E	.9653991	.8626521	.5508	
IGM_E	.7848376	.6952175	.8850	
CD4_E	.9076512	.8036840	.2967	33.91928
NK_E	.7920069	.7014201	.7447	
MO_E	.9531227	.8448237	.8919	

F statistics and significances between pairs of groups after step 2
Each F statistic has 2 and 17.0 degrees of freedom.

	Group	1
		ABG-K
Group		
2	LAG-K	14.355
		.0002

****

At step 3, CD4_E was included in the analysis.

		Degrees of Freedom		Signif.	Between Groups
Wilks' Lambda	.34669	3	1	18.0	
Equivalent F	10.0502		3	16.0	.0006
RAO'S V	33.91928		3		.0000 (APPROX.)

---------- Variables in the analysis after step 3 ----------

Variable	Tolerance	Signif. of F to remove	Rao's V
IGG_E	.8801376	.0002	
CD4_E	.9076512	.2967	
CD8_E	.8036840	.0947	

---------- Variables not in the analysis after step 3 ----------

Variable	Tolerance	Minimum Tolerance	Signif. of F to enter	Rao's V
IGA_E	.9366507	.7989673	.6935	
IGM_E	.7336725	.6924057	.9028	
NK_E	.7883766	.6960907	.8121	
MO_E	.9456255	.7788537	.9688	

F statistics and significances between pairs of groups after step 3
Each F statistic has 3 and 16.0 degrees of freedom.

	Group 1
	ABS-K
Group	
2 LAS-K	10.050
	.0006

F level or tolerance or VIN insufficient for further computation.

Summary Table

Step	Action Entered	Removed	Vars In	Wilks' Lambda	Sig.	Rao's V	Sig.	Change in V	Sig.	Label
1	IGG_E		1	.42579	.0001	24.27396	.0000	24.27396	.0000	
2	CD8_E		2	.37191	.0002	30.39891	.0000	6.12494	.0133	
3	CD4_E		3	.34669	.0006	33.91928	.0000	3.52038	.0606	

Classification Function Coefficients
(Fisher's Linear Discriminant Functions)

GROUP =	1 ABS-K	2 LAS-K
IGG_E	1.984846	.1692467
CD4_E	-.9632977	-1.287634
CD8_E	-2.566233	-1.594771
(constant)	-14.61224	-11.95803

Canonical Discriminant Functions

Function	Eigenvalue	Percent of Variance	Cumulative Percent	Canonical Correlation	After Function	Wilks' Lambda	Chi-squared	D.F.	Significance
					0	.3466920	17.479	3	.0006
1*	1.88440	100.00	100.00	.8082747					

* marks the 1 canonical discriminant functions remaining in the analysis.

Standardized Canonical Discriminant Function Coefficients

	FUNC 1
IGG_E	1.02188
CD4_E	.33813
CD8_E	-.56017

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

	FUNC 1
IGG_E	.84395
NK_E	.45111
IGM_E	.36622
CD4_E	.21703
CD8_E	-.11095
MO_E	.10769
IGA_E	.09955

Unstandardized Canonical Discriminant Function Coefficients

	FUNC 1
IGG_E	.6970785
CD4_E	.1245251
CD8_E	-.3729818
(constant)	-1.019053

Canonical Discriminant Functions evaluated at Group Means (Group Centroids)

Group	FUNC 1
1	1.30229
2	-1.30229

Test of equality of group covariance matrices using Box's M
The ranks and natural logarithms of determinants printed are those of the group covariance matrices.

Group Label	Rank	Log Determinant
1 ABS-K	3	3.730940
2 LAS-K	3	2.662472
Pooled Within-Groups Covariance Matrix	3	3.355833

Box's M	Approximate F	Degrees of freedom		Significance
2.8643	.38997	6,	2347.5	.8858

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

On groups defined by GROUP

Analysis number 2
Direct method: All variables passing the tolerance test are entered.
Minimum Tolerance Level..... .00100

Canonical Discriminant Functions

Maximum number of functions..... 1
Minimum cumulative percent of variance... 100.00
Maximum significance of Wilks' Lambda.... 1.0000

Prior probability for each group is .50000

Classification Function Coefficients
(Fisher's Linear.Discriminant Functions)

GROUP =	1 ABS-K	2 LAS-K
IGA_E	-7.961999	-7.734222
IGM_E	-.2892646	-.2634061
IGG_E	7.607958	5.797042
CD4_E	-2.049665	-2.333317
CD8_E	-6.310064	-5.341552
NK_E	-9.832443	-10.11078
MO_E	-2.870866	-2.874697
(constant)	-88.60290	-83.41429

Canonical Discriminant Functions

Function	Eigenvalue	Percent of Variance	Cumulative Percent	Canonical Correlation	After Function	Wilks' Lambda	Chi-squared	D.F.	Significance
					0	.3418376	15.565	7	.0294
1*	1.92537	100.00	100.00	.8112721					

* marks the 1 canonical discriminant functions remaining in the analysis.

Standardized Canonical Discriminant Function Coefficients

	FUNC 1
IGA_E	-.13470
IGM_E	-.05214
IGG_E	1.00834
CD4_E	.29257
CD8_E	-.55249
NK_E	.09629
MO_E	.00527

Structure Matrix:

Lampiran 8.7

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

	FUNC 1
IGG_E	.83691
NK_E	.51420
IGM_E	.39593
CD4_E	.21471
CD8_E	-.10976
MO_E	.09432
IGA_E	-.02440

Unstandardized Canonical Discriminant Function Coefficients

	FUNC 1
IGA_E	-.8651716E-01
IGM_E	-.9821908E-02
IGG_E	.6878448
CD4_E	.1077400
CD8_E	-.3678723
NK_E	.1057226
MO_E	.1455133E-02
(constant)	-1.970802

Canonical Discriminant Functions evaluated at Group Means (Group Centroids)

Group	FUNC 1
1	1.31637
2	-1.31637

Test of equality of group covariance matrices using Box's M

The ranks and natural logarithms of determinants printed are those of the group covariance matrices.

Group Label	Rank	Log Determinant
1 ABG-K	7	8.119088
2 LAS-K	7	5.637300
Pooled Within-Groups Covariance Matrix	7	8.168191

Box's M	Approximate F	Degrees of freedom		Significance
23.220	.46874	28,	1129.0	.9919

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

On groups defined by GROUP

Analysis number.. 1

Number of Canonical Discriminant Functions.. 1

List of the 3 Variables used..

Variable	Label
IGG_E	
CD4_E	
CD8_E	

Classification Results -

Actual Group	No. of Cases	Predicted Group Membership 1	2
Group 1	10	9	1
ABS-K		90.0%	10.0%
Group 2	10	1	9
LAS-K		10.0%	90.0%

Percent of "grouped" cases correctly classified: 90.00%

Classification Processing Summary

20 Cases were processed.
0 Cases were excluded for missing or out-of-range group codes.
0 Cases had at least one missing discriminating variable.
20 Cases were used for printed output.

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

On groups defined by GROUP

Analysis number.. 2

Number of Canonical Discriminant Functions.. 1

List of the 7 Variables used..

Variable	Label
IGA_E	
IGM_E	
IGG_E	
CD4_E	
CD8_E	
NK_E	
MO_E	

Classification Results -

Actual Group	No. of Cases	Predicted Group Membership 1	2
Group 1 ABS-K	10	9 90.0%	1 10.0%
Group 2 LAS-K	10	1 10.0%	9 90.0%

Percent of "grouped" cases correctly classified: 90.00%

Classification Processing Summary

20 Cases were processed.
0 Cases were excluded for missing or out-of-range group codes.
0 Cases had at least one missing discriminating variable.
20 Cases were used for printed output.

```
MAN  IGA_I CD4_I CD8_I NK_I MO_I BY group(1,2)/pri cell (all)/pri homo (all)/pri signif (all)/disc/desig.

      20 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.

- - - - - - - - - -
            CELL NUMBER
             1    2
Variable
 GROUP       1    2

Cell Means and Standard Deviations
Variable .. IGA_I
    FACTOR          CODE              Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP          ABS-K                .020       .099      10      -.051       .091
 GROUP          LAS-K                .271       .823      10      -.318       .860
For entire sample                    .145       .585      20      -.128       .419

- - - - - - - - - -
Variable .. CD4_I
    FACTOR          CODE              Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP          ABS-K                .314       .264      10       .125       .503
 GROUP          LAS-K               3.283      2.600      10      1.423      5.143
For entire sample                    1.798      2.357      20       .695      2.901

- - - - - - - - - -
Variable .. CD8_I
    FACTOR          CODE              Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP          ABS-K               2.894      2.913      10       .811      4.978
 GROUP          LAS-K               -.086       .083      10      -.145      -.026
For entire sample                    1.404      2.522      20       .224      2.585

- - - - - - - - - -
Variable .. NK_I
    FACTOR          CODE              Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP          ABS-K                .257      1.154      10      -.568      1.082
 GROUP          LAS-K               4.506      4.170      10      1.523      7.489
For entire sample                    2.381      3.690      20       .654      4.109

- - - - - - - - - -
Variable .. MO_I
    FACTOR          CODE              Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP          ABS-K               5.820      3.203      10      3.529      8.111
 GROUP          LAS-K               8.744      4.853      10      5.273     12.216
For entire sample                    7.282      4.274      20      5.282      9.282
```

* * * * * ANALYSIS OF VARIANCE -- DESIGN 1 * * * * *

EFFECT .. GROUP

Multivariate Tests of Significance (S = 1, M = 1 1/2, N = 6)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.68481	6.08363	5.00	14.00	.003
Hotellings	2.17272	6.08363	5.00	14.00	.003
Wilks	.31519	6.08363	5.00	14.00	.003
Roys	.68481				

Eigenvalues and Canonical Correlations

Root No.	Eigenvalue	Pct.	Cum. Pct.	Canon Cor.
1	2.17272	100.00000	100.00000	.82753

Univariate F-tests with (1,18) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
IGA_I	.31543	6.18981	.31543	.34388	.91728	.351
CD4_I	44.07234	61.47611	44.07234	3.41534	12.90423	.002
CD8_I	44.40406	76.41731	44.40406	4.24541	10.45932	.005
NK_I	90.26230	168.50796	90.26230	9.36155	9.64181	.006
MO_I	42.77247	304.29379	42.77247	16.90521	2.53014	.129

Averaged F-test with (5,90) D. F.

VARIABLES	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
1 to 5	221.82660	616.88499	44.36532	6.85428	6.47265	.000

```
MAN  IGG_E CD4_E CD8_E BY group(1,2)/pri cell (all)/pri homo (all)/pri signif (all)/disc/desig.

      20 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.

- - - - - - - - - - -
            CELL NUMBER
              1    2
Variable
 GROUP        1    2

Cell Means and Standard Deviations
Variable .. IGG_E
    FACTOR          CODE                Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP           ABG-K                 4.301      3.559      10      1.755      6.847
 GROUP           LAG-K                 -.180       .176      10      -.306      -.054
For entire sample                      2.061      3.361      20       .488      3.634

- - - - - - - - - - -
Variable .. CD4_E
    FACTOR          CODE                Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP           ABG-K                 9.505      2.599      10     7.646     11.364
 GROUP           LAG-K                14.682      3.519      10    12.164     17.199
For entire sample                     12.093      4.015      20    10.214     13.972

- - - - - - - - - - -
Variable .. CD8_E
    FACTOR          CODE                Mean  Std. Dev.       N  95 percent Conf. Interval

 GROUP           ABG-K                14.032      3.764      10    11.340     16.725
 GROUP           LAG-K                 8.028      2.450      10     6.276      9.781
For entire sample                     11.030      4.364      20     8.988     13.072
```

* * * * * ANALYSIS OF VARIANCE -- DESIGN 1 * * * * *

EFFECT .. GROUP

Multivariate Tests of Significance (S = 1, M = 1/2, N = 7)

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Pillais	.81419	23.36973	3.00	16.00	.000
Hotellings	4.38182	23.36973	3.00	16.00	.000
Wilks	.18581	23.36973	3.00	16.00	.000
Roys	.81419				

Eigenvalues and Canonical Correlations

Root No.	Eigenvalue	Pct.	Cum. Pct.	Canon Cor.
1	4.38182	100.00000	100.00000	.90232

Univariate F-tests with (1,18) D. F.

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
IGG_E	100.39996	114.26173	100.39996	6.34788	15.81631	.001
CD4_E	133.99342	172.25511	133.99342	9.56973	14.00180	.001
CD8_E	180.24516	181.52124	180.24516	10.08451	17.87346	.001

Averaged F-test with (3,54) D. F.

VARIABLES	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
1 to 3	414.63855	468.03813	138.21285	8.66737	15.94634	.000

Lampiran 11.1

TEKNIK PEMBUATAN SEDIAAN HISTOLOGI

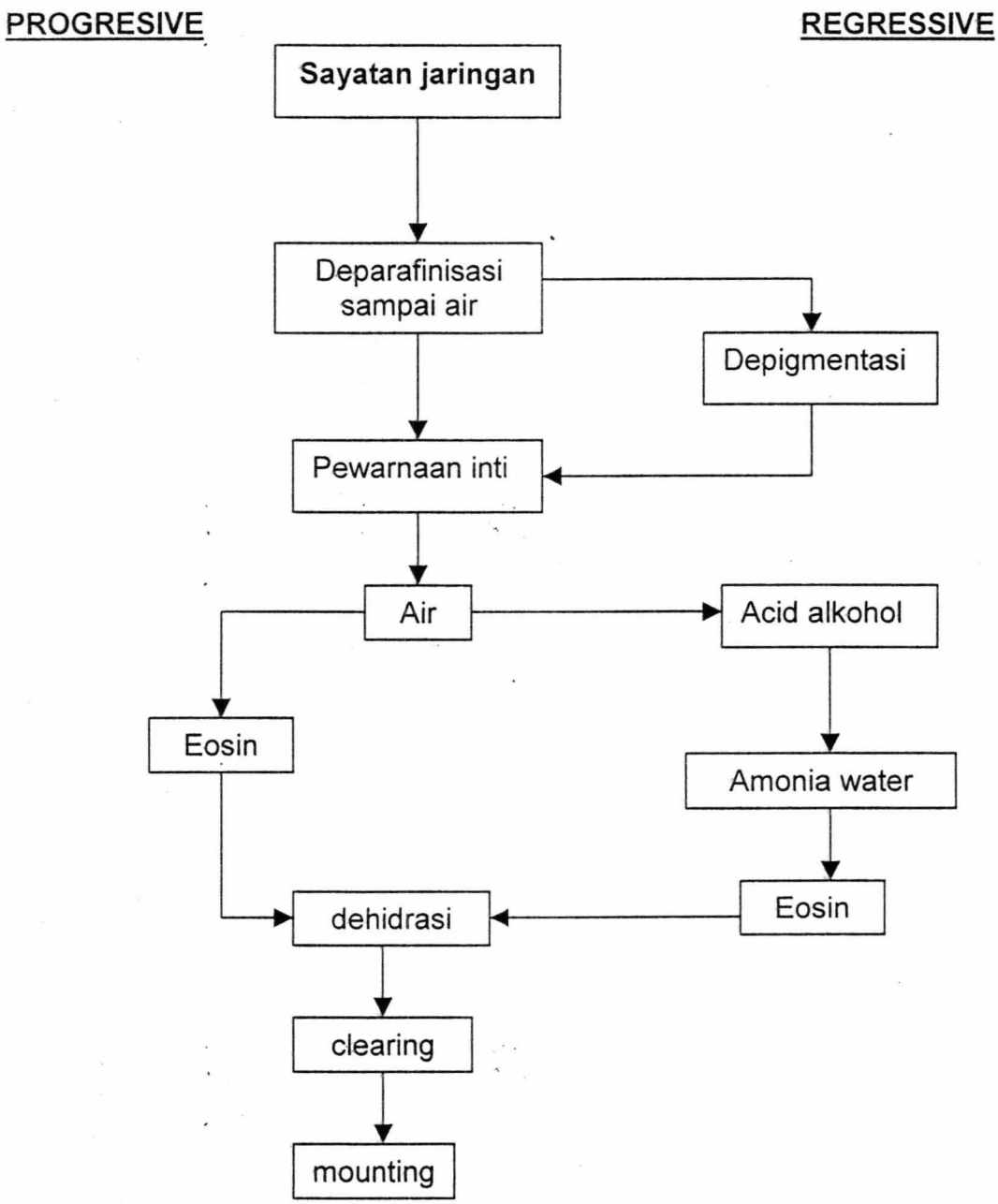
➢ **Pembuatan sediaan rutin, tahap-tahap yang harus dilakukan:**

1. Pengambilan bahan: paling lambat 4 jam posmortem, untuk menghindari degenerasi oleh autolisis. Pemotongan dilakukan dengan menggunakan pisau tajam dan tidak boleh ditekan saat memotongnya (tebal 2-5 mm).
2. Fiksasi: bertujuan untuk menghindari terjadinya perubahan-perubahan posmortem, mengeraskan bahan agar mudah melakukan pemotongan, membunuh kuman penyakit yang mungkin masih ada, menonjolkan perbedaan refraksi komponen-komponen jaringan, meningkatkan affinitas protoplasma terhadap bahan-bahan cat tertentu. Bahan yang sering dipakai adalah buffer formalin, bouin, zenker, carnoy dll.
3. Dehidrasi: memasukkan bahan kedalam alkohol dengan konsentrasi yang meningkat mulai 70% sampai absolut.
4. Clearing: agar bahan menjadi transparat, misalnya: xylol, toluol, chloroform benzene atau cedar oil.
5. Embedding: merupakan suatu penyangga agar bahan dapat dipotong dengan mikrotom tanpa menimbulkan distorsi yang berarti terhadap susunan jaringan. Untuk itu diperlukan proses infiltrasi ke dalam jaringan dengan menggunakan parafin.
6. Sectioning: menggunakan mikrotom. Hasil irisannya disebut ribbon, ditempel pada gelas obyek yang sudah diberi perekat dengan putih telur+ gliserin atau polilisin, dikeringkan di dalm oven.
7. Staining: berguna untuk meningkatkan kontras alamiah untuk menonjolkan sel, komonen jaringan dan bahan extrinsik yang hendak diteliti. Untuk itu dilakukan deparafinisasi dengan xylol, hidrasi menggunakan alkohol dari konsentrasi tinggi ke rendah dan akhirnya di masukkan ke dalam air, dan siap untuk dilakukan pengecatan.
8. Mounting: setelah selesai proses pengecatan, kelebihan bahan caat dihilangkan dengan air atau alkohol. Dehidrasi alkohol degan konsentrasi

Lampiran 11.2

yang meningkat, kemudian masukkan ke dalam xylol, tetesi dengan enthelan dan tutup dengan gelas penutup.

➢ **Skema pewarnaan HAEMATOKSILIN-EOSIN (rutin)**



Lampiran 12.1

TEKNIK PEMBUATAN IMUNOHISTOKIMIA

1. Pembuatan preparat segar, yaitu:
   a. Sampel yang telah dipotong dan ditempel pada gelas obyektif direndam dalam aceton 10 menit, dikeringkan di udara terbuka.
   b. Rendam dalam PBS selama 5 menit.
   c. Beri tanda dengan pena parafin.
   d. Tetesi dengan $H_2 O_2$ 3% selama 2 menit, cuci dengan PBS (3x) @ 2-3 menit.
   e. Tetesi dengan antibodi primer selam 30 menit, kemudian cuci dengan PBS (3x) @ 2-3 menit.
   f. Tetesi dengan antibodi sekunder (*Biotinilated antibody label/ link Ab*) selama 15 menit, cuci dengan PBS (3x) @ 2-3 menit. Buat larutan chromogen (3,3' diaminobenzidine tetrahydrochloride), 2 ml larutan substrat + 1 tetes $H_2 O_2$ 3% dan simpan di lemari pendingin.
   g. Tetesi dengan avidin/streptavidin selama 15 menit, kemudian cuci PBS (3x) @ 2-3 menit.
   h. Tetesi chromogen selama 15 menit, cuci PBS (3x) @ 2-3 menit.
   i. Rendam dengan hematoksilin dari Meyer (tidak mengandung alkohol) 5-8 menit, cuci dengan air kran dan rendam sampai berwarna biru.
   j. Tetesi entelan dan tutup dengan gelas penutup.
   k. Lakukan pemeriksaan dengan mikroskop cahaya pada pembesaran 400x.

2. Pembuatan preparat dengan menggunakan parafin, yaitu:
   a. Deparafinisasi: 2-3x rendam xylol @ 5-6 menit (parafin pada sediaan hilang); 2-3x rendam alkohol menit dan 2- absolut @ 3 menit; 2-3x rendam alkohol 95% @ 2-3 menit; 2-3x rendam alkohol 80% @ 2-3 3x alkohol 70% @ 2-3 menit , kemudian rendam dengan air.
   b. Rendam dalam air.
   c. Keringkan dengan tissue, beri tanda dengan pena parafin.
   d. Rendam dalam PBS selama 5 menit.

Lampiran 12.2

e. Tetesi trypsin 0.1% selama 6 menit dalam suhu 37°C, cuci PBS (3x) @ 2-3 menit.
f. Tetesi dengan $H_2 O_2$ 3% selama 2 menit, cuci dengan PBS (3x) @ 2-3 menit.
g. Selanjutnya sama seperti pembuatan sediaan segar di atas (e-k).

3. Sediaan hapusan (fiksasi buffer formalin/ aceton)
   a. Rendam dengan PBS selama 5 menit.
   b. Buat larutan antibodi monoklonal.
   c. Tetesi dengan H_2O_2 3% selama 2 menit, cuci PBS (3x) @ 2-3 menit.
   d. Selanjutnya sama seperti pembuatan sediaan segar di atas (e-k).