

Lampiran 1.

Prosedur penentuan kadar gula (Apriyantono *et al.* , 1989)

a. Pembuatan kurva standar

1. 2 ml larutan glukosa standar yang mengandung 0; 0,75 ; 1,2; 3; 4,5 ; 6 ; 9; 12 mg glukosa/ml, dimasukkan dalam tabung reaksi .
2. Tambahkan 1 ml larutan fenol 5 %, kemudian dikocok,
3. Tambahkan 5 ml larutan asam sulfat pekat dengan cara menuangkan secara tegak lurus ke permukaan larutan.
4. Biarkan selama 10 menit, kocok lalu tempatkan dalam penangas air selama 15 menit.
5. Ukur absorbansi pada 490 nm (untuk hektosa).
6. Pembuatan kurva standar dari hasil pengukuran absorbansi.

b. Persiapan sampel

1. Sampel berupa sari buah diambil 5 ml, kemudian dimasukkan ke dalam erlenmeyer.
2. Ditambah 60 ml aquades dan 0,4 gr CaCO_3 setelah itu dididihkan selama 30 menit.
3. Larutan didinginkan , dipindahkan ke labu ukur 100 ml.
4. Ditambahkan Pb asetat jenuh (2,5 gr Pb asetat di tambah dengan 10 ml aquades) sampai larutan menjadi jernih.
5. Volume larutan ditepatkan sampai tanda tera dengan aquades, dikocok , kemudian disaring dengan kertas saring.
6. 0,2 gr Na oksalat kering ditambahkan untuk mengendapkan semua Pb.
7. Dicampur rata dan disaring dengan kertas saring.

c. Pengukuran sampel

1. Hasil saringan dari persiapan sampel diambil 2 ml kemudian dimasukkan dalam ke dalam tabung reaksi.
2. 1 ml larutan fenol 5 % ditambahkan kemudian dikocok.
3. 5 ml larutan asam sulfat pekat ditambahkan.
4. Larutan dibiarkan selama 10 menit, kemudian dikocok dan direndam dalam air selama 15 menit.
5. Pengukuran absorbansi pada panjang gelombang 490 nm menggunakan spektrofotometer.

Lampiran 2. Kuesioner Uji Organoleptik

Tanggal :

Umur :

Jenis kelamin :

Di hadapan saudara disajikan beberapa macam sampel dengan satu buah standar (R) .
Saudara diminta untuk membandingkan sampel-sampel tersebut dengan standar berdasarkan warna, aroma, dan teksturnya. Selanjutnya berikan komentar anda sampel mana yang paling disukai. Terima kasih.

Kriteria penilaian :

Nilai 1 : lebih jelek dari kontrol

Nilai 2 : sedikit lebih jelek dari kontrol

Nilai 3 : sama dengan kontrol

Nilai 4 : sedikit lebih baik dari kontrol

Nilai 5 : lebih baik dari kontrol

Kode Sampel	Skor warna	Skor aroma	Skor tekstur
432			
715			
127			
382			

Komentar :

Lampiran 3.

Anova dua arah pengaruh tingkat kematangan dan tingkat pengenceran sari buah pisang terhadap ketebalan nata *de banana*

1. UJI HOMOGENITAS VARIANSI

TEBAL By RASIO 1.000000

Valid cases: 12.0 Missing cases: .0 Percent missing: .0

Mean	.4160	Std Err	.0566	Min	.1800	Skewness	.0231
Median	.3980	Variance	.0385	Max	.6740	S E Skew	.6373
5% Trim	.4148	Std Dev	.1962	Range	.4940	Kurtosis	-1.9602
95% CI for Mean	(.2914, .5408)	IQR	.4055	S E Kurt	1.2322		

TEBAL

Valid cases: 48.0 Missing cases: 1.0 Percent missing: 2.0

Mean	.3744	Std Err	.0345	Min	.0380	Skewness	.1077
Median	.3280	Variance	.0571	Max	.8500	S E Skew	.3431
5% Trim	.3899	Std Dev	.2389	Range	.8120	Kurtosis	-1.2661
95% CI for Mean	(.3050, .4438)	IQR	.4120	S E Kurt	.8744		

	Statistic	df	Significance
Shapiro-Wilks	.9189	48	< .0100
K-S (Lilliefors)	.1256	48	.0558

2. ANOVA 2 ARAH

TEBAL by UMUR RASIO

UNIQUE sums of squares
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects					
UMUR	1.910	6	.318	158.315	.000
RASIO	1.412	3	.471	231.221	.000
2-Way Interactions					
UMUR RASIO	.708	9	.079	38.656	.000
Explained	2.818	15	.175	85.720	.000
Residual	.085	32	.002		
Total	2.683	47	.057		

Lampiran 4.
Anova satu arah pengaruh tingkat pengenceran sari buah terhadap ketebalan nata

Variable **TEBAL** By Variable **RASIO**

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	3	.4973	.1658	3.3365	.0278
Within Groups	44	2.1880	.0497		
Total	47	2.6853			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	12	.4160	.1962	.0566	.2914 TO .5408
Grp 2	12	.5025	.2699	.0779	.3310 TO .6740
Grp 3	12	.3562	.2504	.0723	.1972 TO .5153
Grp 4	12	.2228	.1572	.0454	.1229 TO .3227
Total	48	.3744	.2389	.0345	.3050 TO .4438

GROUP	MINIMUM	MAXIMUM
Grp 1	.1800	.6740
Grp 2	.0700	.8500
Grp 3	.0380	.7760
Grp 4	.0380	.4850
TOTAL	.0380	.8500

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
1.1219	3	44	.351

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if
 $MEAN(J) - MEAN(I) \geq .1578 * RANGE * \sqrt{(1/N(I) + 1/N(J))}$
 with the following value(s) for RANGE: 2.85

(*) Indicates significant differences which are shown in the lower triangle

Mean RASIO	Grp 4	Grp 3	Grp 1	Grp 2
.2228				
.3562				
.4160		*		
.5025		*	*	

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1

Group	Grp 4	Grp 3
Mean	.2228	.3562

Subset 2

Group	Grp 3	Grp 1	Grp 2
Mean	.3562	.4160	.5025

Lampiran 4. (lanjutan)

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
 $MEAN(J) - MEAN(I) \geq .1576 * RANGE * \sqrt{1/N(I) + 1/N(J)}$
 with the following value(s) for RANGE:

Step	2	3	4
RANGE	2.85	3.00	3.10

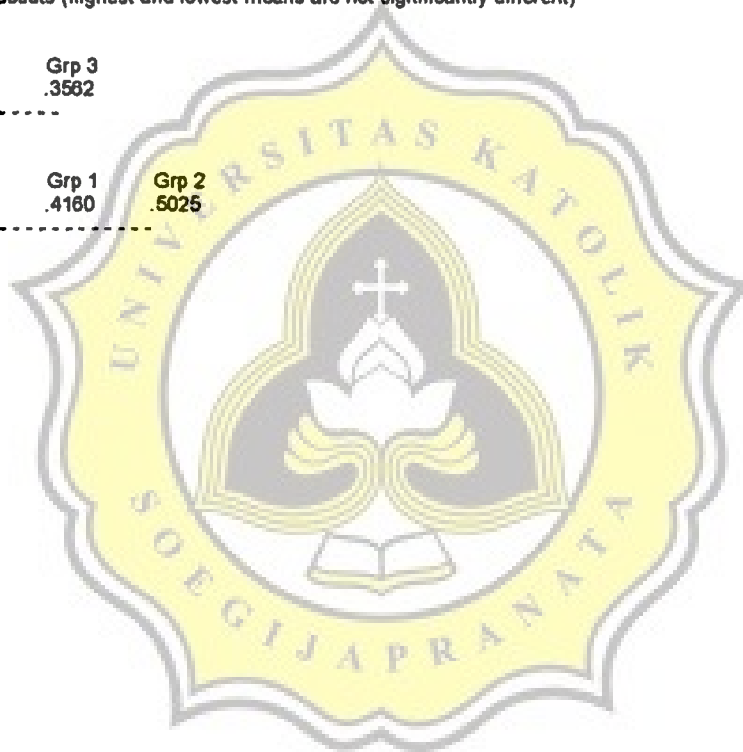
(*) Indicates significant differences which are shown in the lower triangle

Mean	RASIO				
.2228	Grp 4				
.3562	Grp 3				
.4160	Grp 1	*			
.5025	Grp 2	*	*		

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1		
Group	Grp 4	Grp 3
Mean	.2228	.3562

Subset 2			
Group	Grp 3	Grp 1	Grp 2
Mean	.3562	.4160	.5025



Lampiran 5.
Anova satu arah pengaruh tingkat kematangan pisang terhadap ketebalan nata

Variable LOGTEBAL
 By Variable UMUR

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	3	1.4611	.4870	25.8556	.0000
Within Groups	44	.8288	.0188		
Total	47	2.2900			

Group	Count	Standard Mean	Standard Deviation	Error	95 Pct	Conf Int for Mean
Grp 1	12	.2735	.0983	.0284	.2111	TO .3360
Grp 2	12	.6367	.1758	.0507	.5250	TO .7484
Grp 3	12	.7160	.1296	.0374	.6338	TO .7984
Grp 4	12	.6601	.1341	.0387	.5749	TO .7453
Total	48	.5716	.2207	.0319	.6075	TO .6357

GROUP	MINIMUM	MAXIMUM
Grp 1	.1949	.4313
Grp 2	.3847	.9220
Grp 3	.5292	.8809
Grp 4	.4743	.8210
TOTAL	.1949	.9220

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
2.5101	3	44	.071

Variable LOGTEBAL
 By Variable UMUR

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if
 $MEAN(J) - MEAN(I) > .0970 * RANGE * \sqrt{1/N(I) + 1/N(J)}$
 with the following value(s) for RANGE: 2.85

(*) Indicates significant differences which are shown in the lower triangle

Mean	UMUR
.2735	Grp 1
.6367	Grp 2
.6601	Grp 4
.7160	Grp 3

G G G G
 R r r r
 p p p p
 1 2 4 3

Lampiran 5. (lanjutan)

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1
 Group Grp 1
 Mean .2735

Subset 2
 Group Grp 2 Grp 4 Grp 3
 Mean .8367 .8601 .7160

Variable LOGTEBAL
 By Variable UMUR

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
 $MEAN(J) - MEAN(I) \geq .0970 * RANGE * \sqrt{1/N(I) + 1/N(J)}$
 with the following value(s) for RANGE:

Step 2 3 4
 RANGE 2.85 3.00 3.10

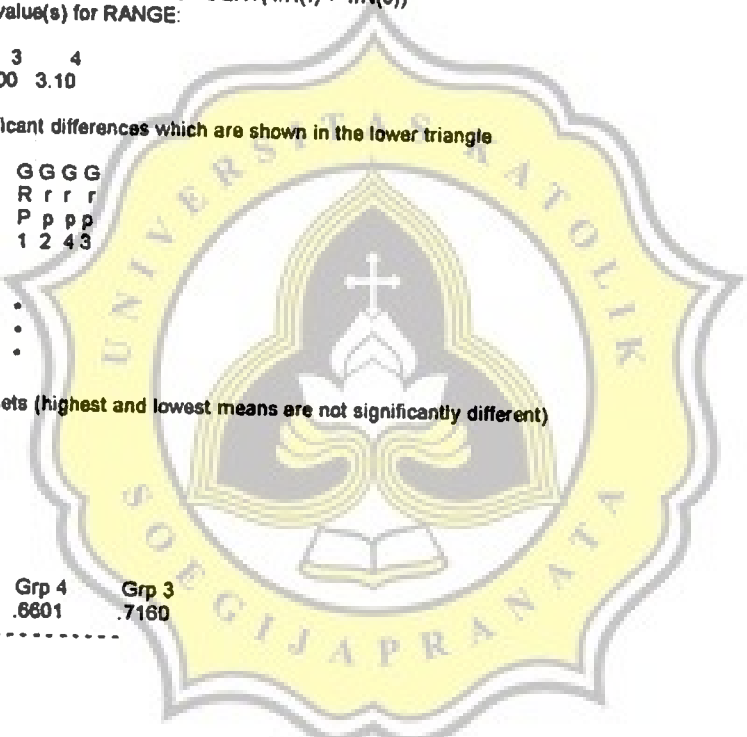
(*) Indicates significant differences which are shown in the lower triangle

				G G G G
				R r r r
				P p p p
				1 2 4 3
Mean	UMUR			
.2735	Grp 1			
.8367	Grp 2	*		
.8601	Grp 4	*	*	
.7160	Grp 3	*	*	*

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1
 Group Grp 1
 Mean .2735

Subset 2
 Group Grp 2 Grp 4 Grp 3
 Mean .8367 .8601 .7160



Lampiran 6.

Anova satu arah pengaruh tingkat pengenceran terhadap berat nata de banana

1. UJI HOMOGENITAS VARIANSI

SQRT

Valid cases: 48.0 Missing cases: .0 Percent missing: .0

Mean	6.9775	Std Err	.3714	Min	2.4083	Skewness	-.5889
Median	7.3533	Variance	6.6221	Max	10.3392	S E Skew	.3431
5% Trim	7.0478	Std Dev	2.5733	Range	7.9309	Kurtosis	-1.0003
95% CI for Mean	(6.2302, 7.7247)	IQR			4.3423	S E Kurt	.6744

Hi-Res Chart # 10: Histogram of sqrt

Hi-Res Chart # 11: Normal q-q plot of sqrt

Hi-Res Chart # 12: Detrended normal q-q plot of sqrt

	Statistic	df	Significance
Shapiro-Wilks	.8766	48	< .0100
K-S (Lilliefors)	.1199	48	.0818

Variable SQRT
By Variable RASIO

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	3	38.5038	12.1679	1.9487	.1357
Within Groups	44	274.7350	6.2440		
Total	47	311.2386			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	12	7.5029	1.7933	.5177	6.3635 TO 8.6423
Grp 2	12	8.0400	2.8795	.8312	6.2105 TO 9.8695
Grp 3	12	6.6171	2.7415	.7914	4.8752 TO 8.3589
Grp 4	12	5.7499	2.4398	.7043	4.1997 TO 7.3000
Total	48	6.9775	2.5733	.3714	6.2302 TO 7.7247

GROUP	MINIMUM	MAXIMUM
Grp 1	4.8904	9.2852
Grp 2	3.2094	10.3392
Grp 3	2.4083	9.9499
Grp 4	2.4331	8.8204
TOTAL	2.4083	10.3392

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
.9725	3	44	.414

Lampiran 7.

Anova satu arah pengaruh tingkat kematangan pisang terhadap berat nata de banana

Variable SQRT
By Variable UMUR

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	3	231.9419	77.3140	42.8998	.0000
Within Groups	44	78.2968	1.8022		
Total	47	311.2388			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	12	3.2806	1.0059	.2804	2.6215 TO 3.8997
Grp 2	12	7.6112	1.0265	.5581	6.3872 TO 8.8353
Grp 3	12	8.9429	1.0956	.3163	8.2467 TO 9.6390
Grp 4	12	8.0951	1.1335	.3272	7.3749 TO 8.8153
Total	48	6.9775	2.5733	.3714	6.2302 TO 7.7247

GROUP	MINIMUM	MAXIMUM
Grp 1	2.4083	4.8990
Grp 2	4.7958	10.3382
Grp 3	7.1554	10.2421
Grp 4	6.7305	9.2898
TOTAL	2.4083	10.3392

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
3.8790	3	44	.015

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if
 $MEAN(J)-MEAN(I) \geq .9493 * RANGE * SQRT(1/N(I) + 1/N(J))$
 with the following value(s) for RANGE: 2.85

(*) Indicates significant differences which are shown in the lower triangle

Mean	UMUR			
3.2806	Grp 1			
7.6112	Grp 2	*		
8.0951	Grp 4	*	*	
8.9429	Grp 3	**	*	*

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1		
Group	Grp 1	
Mean	3.2806	

Subset 2		
Group	Grp 2	Grp 4
Mean	7.6112	8.0951

Subset 3		
Group	Grp 4	Grp 3
Mean	8.0951	8.9429

Lampiran 7 (lanjutan)

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
 $MEAN(J) - MEAN(I) \geq .9493 * RANGE * \sqrt{1/N(I) + 1/N(J)}$
 with the following value(s) for RANGE:

Step	2	3	4
RANGE	2.85	3.00	3.10

(*) Indicates significant differences which are shown in the lower triangle

				G	G	G
			r	r	r	r
			p	p	p	p
			1	2	4	3
Mean	UMUR					
3.2606	Grp 1					
7.8112	Grp 2	*				
8.0951	Grp 4	*				
8.9429	Grp 3	**				

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1		
Group	Grp 1	
Mean	3.2606	

Subset 2		
Group	Grp 2	Grp 4
Mean	7.8112	8.0951

Subset 3		
Group	Grp 4	Grp 3
Mean	8.0951	8.9429



Lampiran 8.

Anova satu arah pengaruh kombinasi perlakuan (tingkat kematangan & tingkat pengenceran) terhadap berat nata

Variable BERAT By Variable KOMBINAS

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	15	49096.3398	3273.0893	114.2284	.0000
Within Groups	32	916.9165	28.6538		
Total	47	50013.2562			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	23.1333	1.0283	.5925	20.5838 TO 25.8829
Grp 2	3	11.0333	.6351	.3687	9.4557 TO 12.6110
Grp 3	3	6.0667	.2517	.1453	5.4415 TO 6.6918
Grp 4	3	6.0333	.0907	.0524	5.7779 TO 6.2287
Grp 5	3	74.6000	10.4326	6.0233	48.6838 TO 100.5164
Grp 6	3	94.2667	11.0799	6.3970	86.7425 TO 121.7909
Grp 7	3	52.3333	10.1478	5.8587	27.1251 TO 77.5416
Grp 8	3	24.1333	1.1016	.6360	21.3970 TO 26.8697
Grp 9	3	54.3000	5.1118	2.9513	41.6018 TO 66.9984
Grp10	3	100.7000	5.3329	3.0760	87.4522 TO 113.9478
Grp11	3	93.1333	5.0817	2.9339	80.6098 TO 105.7570
Grp12	3	78.1667	1.4224	.8212	72.6331 TO 79.7002
Grp13	3	84.9333	1.2662	.7311	81.7878 TO 88.0789
Grp14	3	82.9667	1.2662	.7311	79.8211 TO 86.1122
Grp15	3	51.1667	5.6624	3.2692	37.1002 TO 65.2331
Grp16	3	47.7867	1.8583	1.0729	43.1503 TO 52.3830
Total	48	55.1690	32.6207	4.7084	45.6969 TO 64.6410

GROUP	MINIMUM	MAXIMUM
Grp 1	22.0000	24.0000
Grp 2	10.3000	11.4000
Grp 3	5.8000	6.3000
Grp 4	5.9200	6.1000
Grp 5	68.6000	88.4000
Grp 6	86.2000	106.9000
Grp 7	42.8000	63.0000
Grp 8	23.0000	25.2000
Grp 9	51.2000	60.2000
Grp10	94.7000	104.9000
Grp11	90.1000	99.0000
Grp12	75.2000	77.8000
Grp13	83.8000	86.3000
Grp14	81.6000	84.1000
Grp15	45.3000	56.6000
Grp16	45.7000	49.3000
TOTAL	5.8000	106.9000

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
4.7840	15	32	.000

Lampiran 8. (lanjutan)

Multiple Range Tests: Duncan test with significance level .05

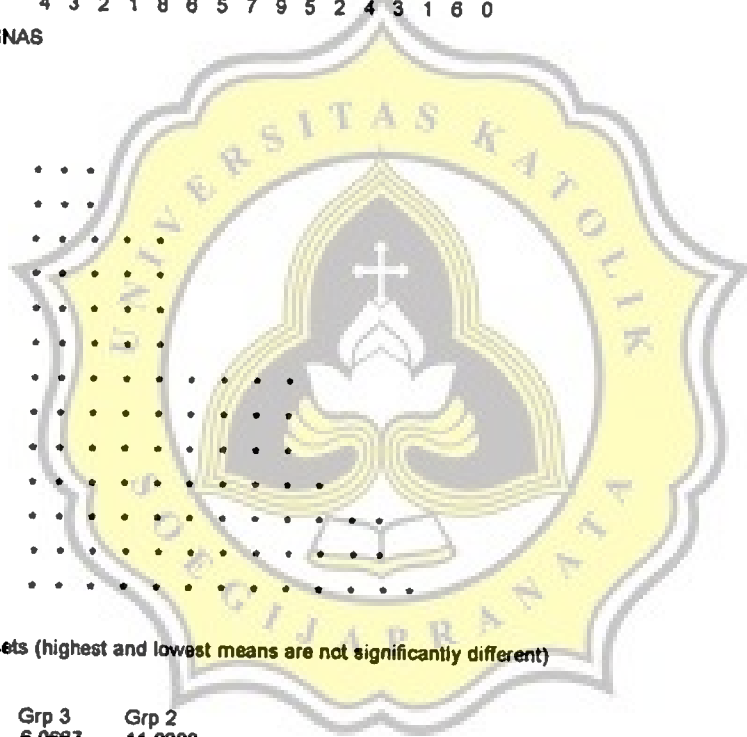
The difference between two means is significant if
 $MEAN(J) - MEAN(I) \geq 3.7851 \cdot RANGE \cdot \sqrt{1/N(I) + 1/N(J)}$
 with the following value(s) for RANGE:

Step	2	3	4	5	6	7	8	9	10	11
RANGE	2.88	3.03	3.13	3.19	3.24	3.29	3.32	3.35	3.37	3.39
Step	12	13	14	15	16					
RANGE	3.40	3.42	3.43	3.44	3.45					

(*) Indicates significant differences which are shown in the lower triangle

G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
r	r	r	r	r	r	r	r	r	r	r	r	r	r	r	
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
				1	1			1	1	1	1			1	
4	3	2	1	8	6	5	7	9	5	2	4	3	1	6	0

Mean	KOMBINAS
6.0033	Grp 4
6.0667	Grp 3
11.0333	Grp 2
23.1333	Grp 1
24.1333	Grp 8
47.7667	Grp 16
51.1667	Grp 15
52.3333	Grp 7
54.3000	Grp 9
74.6000	Grp 5
76.1667	Grp 12
82.9667	Grp 14
84.9333	Grp 13
93.1333	Grp 11
94.2667	Grp 6
100.7000	Grp 1



Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1	Group	Grp 4	Grp 3	Grp 2
Mean		6.0033	6.0667	11.0333

Subset 2	Group	Grp 1	Grp 8
Mean		23.1333	24.1333

Subset 3	Group	Grp 16	Grp 15	Grp 7	Grp 9
Mean		47.7667	51.1667	52.3333	54.3000

Lampiran 8. (lanjutan)

Subset 4			
Group	Grp 5	Grp12	Grp14
Mean	74.6000	76.1667	82.9667

Subset 5			
Group	Grp12	Grp14	Grp13
Mean	76.1667	82.9667	84.9333

Subset 6			
Group	Grp13	Grp11	Grp 6
Mean	84.9333	93.1333	94.2667

Subset 7			
Group	Grp11	Grp 6	Grp10
Mean	93.1333	94.2667	100.7000



Lampiran 9.

Anova satu arah pengaruh kombinasi perlakuan (tingkat kematangan & tingkat pengnceran) terhadap ketebalan nata

Variable TEBAL By Variable KOMBINAS

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	15	2.8182	.1745	85.7109	.0000
Within Groups	32	.0652	.0020		
Total	47	2.6833			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	.1840	.0035	.0020	.1754 TO .1926
Grp 2	3	.0717	.0015	.0009	.0679 TO .0755
Grp 3	3	.0397	.0006	.0003	.0382 TO .0411
Grp 4	3	.0393	.0012	.0007	.0365 TO .0422
Grp 5	3	.5443	.0489	.0282	.4228 TO .6658
Grp 6	3	.6863	.1431	.0826	.3309 TO 1.0418
Grp 7	3	.3480	.0453	.0262	.2355 TO .4605
Grp 8	3	.1580	.0139	.0080	.1216 TO .1904
Grp 9	3	.2900	.0156	.0090	.2512 TO .3288
Grp10	3	.6667	.0190	.0110	.6194 TO .7139
Grp11	3	.7100	.0574	.0331	.5875 TO .8525
Grp12	3	.4457	.0429	.0247	.3382 TO .5521
Grp13	3	.6457	.0248	.0143	.5841 TO .7072
Grp14	3	.5853	.0012	.0007	.5825 TO .5882
Grp15	3	.3273	.0012	.0007	.3245 TO .3302
Grp16	3	.2503	.0333	.0192	.1677 TO .3330
Total	48	.3744	.2388	.0345	.3050 TO .4438

GROUP	MINIMUM	MAXIMUM
Grp 1	.1800	.1860
Grp 2	.0700	.0730
Grp 3	.0390	.0400
Grp 4	.0380	.0400
Grp 5	.4880	.6780
Grp 6	.5850	.8500
Grp 7	.3000	.3900
Grp 8	.1480	.1720
Grp 9	.2800	.3080
Grp10	.6480	.6680
Grp11	.6720	.7760
Grp12	.4000	.4850
Grp13	.6280	.6740
Grp14	.5840	.5880
Grp15	.3280	.3280
Grp16	.2250	.2880
TOTAL	.0380	.8500



Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
7.8704	15	32	.000

Lampiran 9. (lanjutan)

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
 $MEAN(J) - MEAN(I) \geq .0319 * RANGE * \sqrt{1/N(I) + 1/N(J)}$
 with the following value(s) for RANGE:

Step	2	3	4	5	6	7	8	9	10	11
RANGE	2.88	3.03	3.13	3.19	3.24	3.29	3.32	3.35	3.37	3.39
Step	12	13	14	15	16					
RANGE	3.40	3.42	3.43	3.44	3.45					

(*) Indicates significant differences which are shown in the lower triangle

```

G G G G G G G G G G G G G G
r r r r r r r r r r r r r r r
P P P P P P P P P P P P P P
          1 1 1 1 1 1 1
4 3 2 8 1 6 9 5 7 2 5 4 3 0 8 1
  
```

Mean KOMBINAS

.0393	Grp 4																		
.0397	Grp 3																		
.0717	Grp 2																		
.1560	Grp 8	.	.	.															
.1840	Grp 1	.	.	.															
.2503	Grp16	.	.	.	.										
.2900	Grp 9	.	.	.	.	.								
.3273	Grp15	.	.	.	.	.	.						
.3480	Grp 7	.	.	.	.	.	.	.				
.4457	Grp12	.	.	.	.	.	.	.	.		
.5443	Grp 5	.	.	.	.	.	.	.	.	.
.5853	Grp14	.	.	.	.	.	.	.	.	.	.
.6457	Grp13	.	.	.	.	.	.	.	.	.	.	.
.6667	Grp10	.	.	.	.	.	.	.	.	.	.	.	.
.6663	Grp 6	.	.	.	.	.	.	.	.	.	.	.	.	.
.7100	Grp11	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1

Group	Grp 4	Grp 3	Grp 2
Mean	.0393	.0397	.0717

Subset 2

Group	Grp 8	Grp 1
Mean	.1560	.1840

Subset 3

Group	Grp 1	Grp16
Mean	.1840	.2503

Subset 4

Group	Grp16	Grp 9	Grp15
Mean	.2503	.2900	.3273

Lampiran 9. (lanjutan)

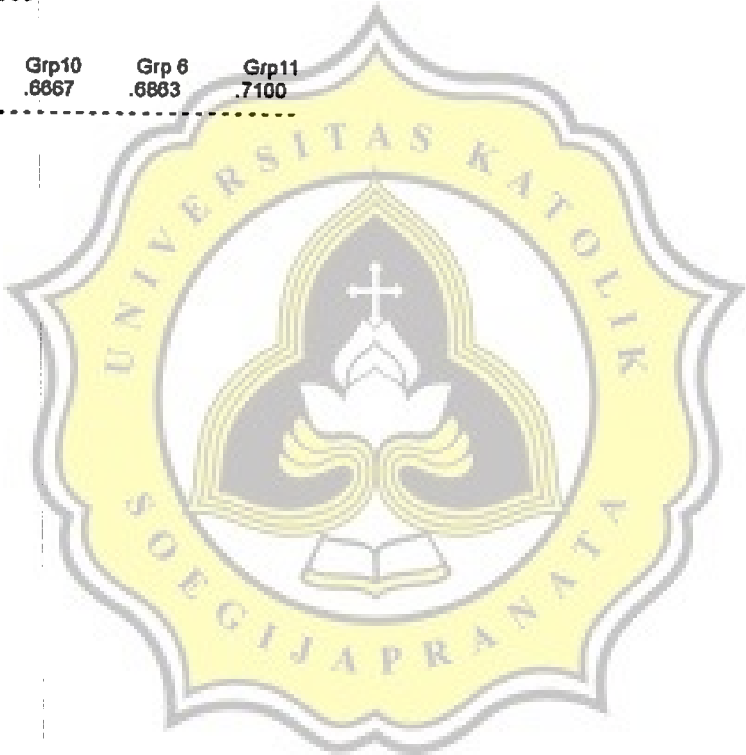
Subset 5			
Group	Grp 9	Grp15	Grp 7
Mean	.2800	.3273	.3480

Subset 6	
Group	Grp12
Mean	.4457

Subset 7		
Group	Grp 5	Grp14
Mean	.5443	.5853

Subset 8		
Group	Grp14	Grp13
Mean	.5853	.6457

Subset 9				
Group	Grp13	Grp10	Grp 6	Grp11
Mean	.6457	.6867	.6863	.7100



Lampiran 10.

Anova satu arah penerimaan konsumen terhadap nata *de banana*.

Variable AROMA By Variable KODE

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	4	8.5763	1.6441	2.8973	.0247
Within Groups	126	71.5000	.5675		
Total	130	78.0763			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	26	3.1538	.7317	.1435	2.8583 TO 3.4494
Grp 2	28	3.0385	.7200	.1412	2.7476 TO 3.3293
Grp 3	28	2.8846	.7656	.1501	2.5754 TO 3.1939
Grp 4	26	2.5000	1.1045	.2166	2.0539 TO 2.9461
Grp 5	27	3.0000	.0000	.0000	3.0000 TO 3.0000
Total	131	2.9180	.7750	.0677	2.7821 TO 3.0500

GROUP	MINIMUM	MAXIMUM
Grp 1	2.0000	5.0000
Grp 2	2.0000	5.0000
Grp 3	1.0000	4.0000
Grp 4	1.0000	4.0000
Grp 5	3.0000	3.0000
TOTAL	1.0000	5.0000

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
14.1053	4	126	.000

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if
 $MEAN(J)-MEAN(I) \geq .5327 * RANGE * SQRT(1/N(I) + 1/N(J))$
 with the following value(s) for RANGE: 2.80

(*) Indicates significant differences which are shown in the lower triangle

```

G G G G G
r r r r r
p p p p p
4 3 5 2 1
    
```

Mean	KODE
2.5000	Grp 4
2.8846	Grp 3
3.0000	Grp 5
3.0385	Grp 2
3.1538	Grp 1

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
 $MEAN(J)-MEAN(I) \geq .5327 * RANGE * SQRT(1/N(I) + 1/N(J))$
 with the following value(s) for RANGE:

Step	2	3	4	5
RANGE	2.80	2.95	3.04	3.11

Lampiran 10. (lanjutan)

(*) Indicates significant differences which are shown in the lower triangle

		G	G	G	G	G
		r	r	r	r	r
		p	p	p	p	p
		4	3	5	2	1
Mean	KODE					
2.5000	Grp 4					
2.8848	Grp 3					
3.0000	Grp 5					*
3.0385	Grp 2					*
3.4538	Grp 1					*

Variable TEKSTUR By Variable KODE

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	4	88.2607	22.0652	33.1585	.0000
Within Groups	128	83.8482	.6654		
Total	130	172.1089			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	28	3.3077	.9282	.1820	2.9328 TO 3.6828
Grp 2	26	3.6923	.9282	.1820	3.3174 TO 4.0672
Grp 3	28	2.2308	1.1066	.2170	1.7838 TO 2.6777
Grp 4	26	1.3848	.6373	.1250	1.1272 TO 1.6420
Grp 5	27	3.0000	.0000	.0000	3.0000 TO 3.0000
Total	131	2.7252	1.1506	.1005	2.5263 TO 2.9241

GROUP	MINIMUM	MAXIMUM
Grp 1	2.0000	5.0000
Grp 2	2.0000	5.0000
Grp 3	1.0000	5.0000
Grp 4	1.0000	3.0000
Grp 5	3.0000	3.0000
TOTAL	1.0000	5.0000

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
14.7631	4	128	.000

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if
 $MEAN(J) - MEAN(I) \geq .5768 * RANGE * \sqrt{1/N(I) + 1/N(J)}$
 with the following value(s) for RANGE: 2.80

(*) Indicates significant differences which are shown in the lower triangle

		G	G	G	G	G
		r	r	r	r	r
		p	p	p	p	p
		4	3	5	1	2
Mean	KODE					
1.3848	Grp 4					
2.2308	Grp 3					*
3.0000	Grp 5					**
3.3077	Grp 1					***
3.6923	Grp 2					***

Lampiran 10. (lanjutan)

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
 $MEAN(J)-MEAN(I) \geq .5768 * RANGE * \sqrt{1/N(I) + 1/N(J)}$
 with the following value(s) for RANGE:

Step 2 3 4 5
 RANGE 2.80 2.95 3.04 3.11

(*) Indicates significant differences which are shown in the lower triangle

```

          G G G G
          r r r r r
          p p p p p
          4 3 5 1 2

Mean  KODE
1.3848 Grp 4
2.2308 Grp 3 *
3.0000 Grp 5 **
3.3077 Grp 1 **
3.8923 Grp 2 ***
    
```

Variable WARNA By Variable KODE

Analysis of Variance						
Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.	
Between Groups	4	51.7481	12.9370	22.9587	.0000	
Within Groups	126	71.0000	.5635			
Total	130	122.7481				

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	26	2.7692	.7648	.1500	2.4604 TO 3.0781
Grp 2	26	3.1154	1.0706	.2100	2.6830 TO 3.5478
Grp 3	26	2.1538	.8806	.1727	1.7982 TO 2.5095
Grp 4	26	1.4231	.5778	.1133	1.1897 TO 1.6565
Grp 5	27	3.0000	.0000	.0000	3.0000 TO 3.0000
Total	131	2.4962	.9717	.0849	2.3282 TO 2.6641

GROUP	MINIMUM	MAXIMUM
Grp 1	1.0000	4.0000
Grp 2	1.0000	5.0000
Grp 3	1.0000	5.0000
Grp 4	1.0000	3.0000
Grp 5	3.0000	3.0000
TOTAL	1.0000	5.0000

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
12.6590	4	126	.000

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if
 $MEAN(J)-MEAN(I) \geq .5308 * RANGE * \sqrt{1/N(I) + 1/N(J)}$
 with the following value(s) for RANGE: 2.80

Lampiran 10. (lanjutan)

(*) Indicates significant differences which are shown in the lower triangle

		G G G G G
		r r r r r
		p p p p p
		4 3 1 5 2
Mean	KODE	
1.4231	Grp 4	
2.1538	Grp 3	.
2.7692	Grp 1	..
3.0000	Grp 5	..
3.1154	Grp 2	..

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
 $MEAN(J) - MEAN(I) \geq .5308 * RANGE * \sqrt{1/N(I) + 1/N(J)}$
 with the following value(s) for RANGE:

Step	2	3	4	5
RANGE	2.80	2.95	3.04	3.11

(*) Indicates significant differences which are shown in the lower triangle

		G G G G G
		r r r r r
		p p p p p
		4 3 1 5 2
Mean	KODE	
1.4231	Grp 4	
2.1538	Grp 3	.
2.7692	Grp 1	..
3.0000	Grp 5	..
3.1154	Grp 2	..



Lampiran 11. Analisis regresi untuk kurva standar glukosa

Equation Number 1 Dependent Variable.. NABS Predicted Value
Block Number 1. Method: Enter KONS
Variable(s) Entered on Step Number
1.. KONS

Multiple R .99809
R Square .99618
Adjusted R Square .99480
Standard Error .02086

Analysis of Variance

	DF	Sum of Squares	Mean Square
Regression	1	.34017	.34017
Residual	3	.00131	.00044

F = 781.38588 Signif F = .0001

Variable	B	SE B	Beta	T	Sig T
KONS	.132037	.004723	.998086	27.953	.0001
(Constant)	-.026795	.017323		-1.547	.2197



Lampiran 12.

Uji korelasi antara konsentrasi glukosa dan ketebalan nata

Variable	Cases	Mean	Std Dev
KONS	48	1.2084	.4833
TEBAL	48	.3744	.2389

Correlation Coefficients		
	KONS	TEBAL
KONS	1.0000 (48) P=.	-.1151 (48) P=.436
TEBAL	-.1151 (48) P=.436	1.0000 (48) P=.



Lampiran 13.

Uji Kruskal-Wallis konsentrasi glukosa pada berbagai tingkat pengenceran sari buah pisang

	N	Mean	Std Dev	Minimum	Maximum
KONS	65	1.215384803	.490826752	.589897	2.268667
RASIO	65	2.476922989	1.133408785	1.000000	4.000000

KONS by RASIO

Mean Rank	Cases
51.74	17 RASIO = 1
32.41	16 RASIO = 2
19.88	16 RASIO = 3
26.81	16 RASIO = 4
65	Total

Chi-Square	D.F.	Significance	Chi-Square	D.F.	Significance
26.1305	3	.0000	26.1556	3	.0000



Lampiran 14.

Uji Kolmogorov-Smirnov (2-Sampel Test) konsentrasi glukosa pada berbagai tingkat pengenceran sari buah pisang

KONS by RASIQ(1&2)

Cases
 17 RASIO = 1.000000
 16 RASIO = 2.000000
 --
 33 Total

Most extreme differences			K-S Z	2-Tailed P
Absolute	Positive	Negative		
.64708	.05882	-.64708	1.858	.002

KONS by RASIQ(1&3)

Cases
 17 RASIO = 1.000000
 16 RASIO = 3.000000
 --
 33 Total

Most extreme differences			K-S Z	2-Tailed P
Absolute	Positive	Negative		
.94118	.05882	-.94118	2.702	.000

KONS by RASIQ(1&4)

Cases
 17 RASIO = 1.000000
 16 RASIO = 4.000000
 --
 33 Total

Most extreme differences			K-S Z	2-Tailed P
Absolute	Positive	Negative		
.63235	.00000	-.63235	1.815	.003

KONS by RASIQ(2&3)

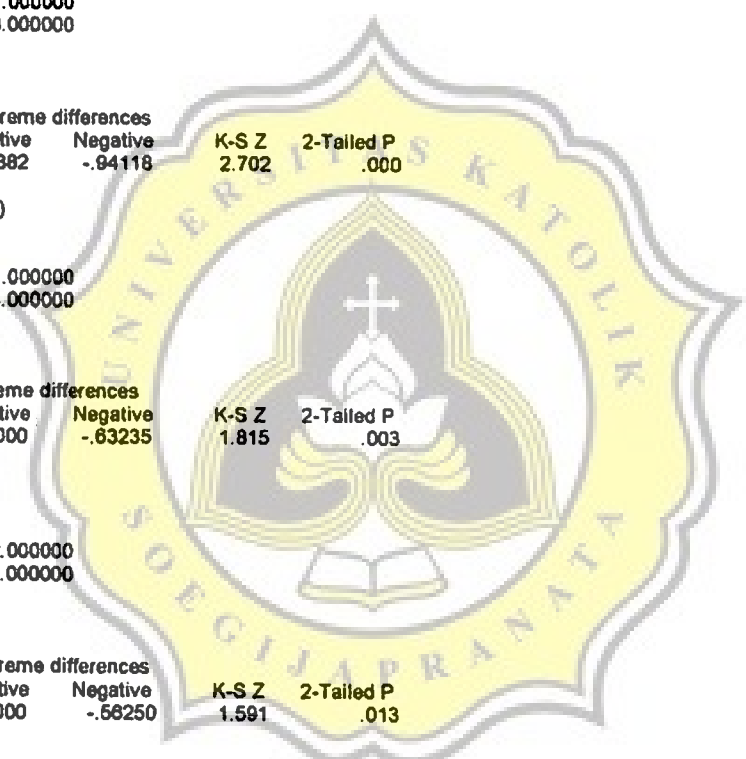
Cases
 16 RASIO = 2.000000
 16 RASIO = 3.000000
 --
 32 Total

Most extreme differences			K-S Z	2-Tailed P
Absolute	Positive	Negative		
.56250	.00000	-.56250	1.591	.013

KONS by RASIQ(2&4)

Cases
 16 RASIO = 2.000000
 16 RASIO = 4.000000
 --
 32 Total

Most extreme differences			K-S Z	2-Tailed P
Absolute	Positive	Negative		
.37500	.18750	-.37500	1.061	.211



Lampiran 14. (lanjutan)

KONS by RASIO(3&4)

Cases

16 RASIO = 3.000000

16 RASIO = 4.000000

—
32 Total

Most extreme differences				
Absolute	Positive	Negative	K-S Z	2-Tailed P
.50000	.50000	-.25000	1.414	.037



Lampiran 15.

Uji Kruskal-Wallis konsentrasi glukosa pada berbagai tingkat kematangan pisang

	N	Mean	Std Dev	Minimum	Maximum
KONS	64	1.199076653	.476418376	.569697	2.266667
UMUR	64	2.500000000	1.128872301	1.000000	4.000000

Kruskal-Wallis 1-Way Anova

KONS
by UMUR

Mean Rank	Cases
37.44	16 UMUR = 1
33.78	16 UMUR = 2
44.06	16 UMUR = 3
14.72	16 UMUR = 4
	64 Total

Chi-Square	D.F.	Significance	Corrected for ties Chi-Square	D.F.	Significance
21.8639	3	.0001	21.9845	3	.0001



Lampiran 16.
Uji Kolmogorov-Smirnov (2-Sample Test) konsentrasi glukosa pada
berbagai tingkat kematangan pisang

KONS by UMUR(1&2)

Cases
 17 UMUR = 1.000000
 16 UMUR = 2.000000
 -
 33 Total

Most extreme differences			K-S Z	2-Tailed P
Absolute	Positive	Negative		
.40441	.17279	-.40441	1.161	.135

KONS by UMUR(1&3)

Cases
 17 UMUR = 1.000000
 16 UMUR = 3.000000
 -
 33 Total

Most extreme differences			K-S Z	2-Tailed P
Absolute	Positive	Negative		
.47059	.47059	-.29412	1.351	.052

KONS by UMUR(1&4)

Cases
 17 UMUR = 1.000000
 16 UMUR = 4.000000
 -
 33 Total

Most extreme differences			K-S Z	2-Tailed P
Absolute	Positive	Negative		
.68750	.00000	-.68750	1.974	.001

KONS by UMUR(2&3)

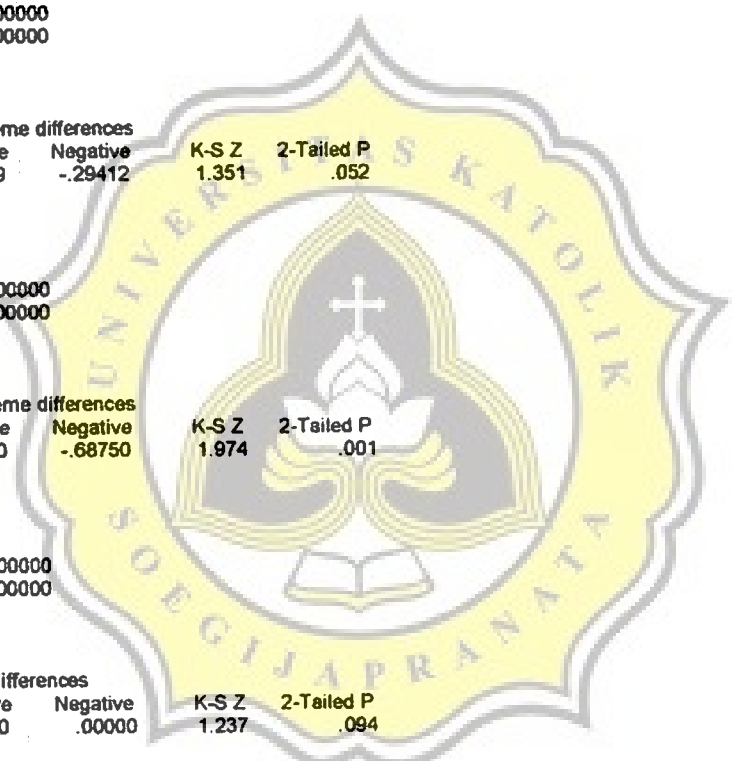
Cases
 16 UMUR = 2.000000
 16 UMUR = 3.000000
 -
 32 Total

Most extreme differences			K-S Z	2-Tailed P
Absolute	Positive	Negative		
.43750	.43750	.00000	1.237	.094

KONS by UMUR(2&4)

Cases
 16 UMUR = 2.000000
 16 UMUR = 4.000000
 -
 32 Total

Most extreme differences			K-S Z	2-Tailed P
Absolute	Positive	Negative		
.68750	.00000	-.68750	1.945	.001



Lampiran 16. (lanjutan)

KONS. by UMUR(3&4)

Cases
16 UMUR = 3.000000
16 UMUR = 4.000000
—
32 Total

	Most extreme	differences		
Absolute	Positive	Negative	K-S Z	2-Tailed P
.81250	.00000	-.81250	2.298	.000

