

7. Lampiran

Lampiran 1. Perhitungan Densitas

	ulangan 1			densitas			rata-rata1	rata-rata2		
	b.picno	b.picno + air	b. pikno + myk	ulangan 2	b. pikno + myk	ulangan 1			ulangan 2	
mb 1	29.1	79.93	74.46	29.1	79.93	74.45	0.892386	0.89219	0.90303	0.903165
mb 2	27.91	78.06	73.36	27.91	78.06	73.37	0.906281	0.906481		
mb3	26.78	76.57	72.11	26.78	76.57	72.13	0.910424	0.910825		
11	29.1	79.93	74.43	29.1	79.93	74.44	0.891796	0.891993	0.90423	0.903829
12	27.91	78.06	73.56	27.91	78.06	73.51	0.910269	0.909272		
13	26.78	76.57	72.12	26.78	76.57	72.1	0.910625	0.910223		
21	29.1	79.93	74.51	29.1	79.93	74.43	0.89337	0.891796	0.904421	0.904365
22	27.91	78.06	73.54	27.91	78.06	73.53	0.90987	0.909671		
23	26.78	76.57	72.09	26.78	76.57	72.17	0.910022	0.911629		
31	29.1	79.93	74.48	29.1	79.93	74.5	0.89278	0.893173	0.904494	0.904556
32	27.91	78.06	73.49	27.91	78.06	73.55	0.908873	0.91007		
33	26.78	76.57	72.18	26.78	76.57	72.11	0.91183	0.910424		
41	29.1	79.93	74.5	29.1	79.93	74.48	0.893173	0.89278	0.90469	0.904626
42	27.91	78.06	73.53	27.91	78.06	73.53	0.909671	0.909671		
43	26.78	76.57	72.15	26.78	76.57	72.16	0.911227	0.911428		
51	29.1	79.93	74.51	29.1	79.93	74.46	0.89337	0.892386	0.904822	0.905295
52	27.91	78.06	73.55	27.91	78.06	73.6	0.91007	0.911067		
53	26.78	76.57	72.14	26.78	76.57	72.21	0.911026	0.912432		
61	29.1	79.93	74.49	29.1	79.93	74.47	0.892977	0.892583	0.905091	0.905429
62	27.91	78.06	73.59	27.91	78.06	73.58	0.910867	0.910668		
63	26.78	76.57	72.16	26.78	76.57	72.24	0.911428	0.913035		

berat jenis minyak = $\frac{\text{berat piknometer berisi minyak} - \text{berat piknometer kosong}}{\text{berat piknometer berisi air} - \text{berat piknometer kosong}}$

berat piknometer berisi air – berat piknometer kosong

densitas = berat jenis minyak x densitas air

Satuan densitas = (kg m^{-3})

Densitas air = $1 (\text{kg m}^{-3})$

Lampiran 2. Perhitungan Warna

	460	550	620	670	PI	rata-rata
01	0.2158	0.0685	0.0032	0.0601	1.795032	1.046151
02	0.1738	0.0543	0.0027	0.0991	-1.46909	
03	0.252	0.0671	0.0023	0.0405	2.81251	
04	0.1937	0.0593	0.0041	0.0405	2.267803	2.077055
05	0.2158	0.0655	0.0025	0.0531	1.951892	
06	0.2011	0.0641	0.0039	0.051	2.011469	
11	0.2212	0.0901	0.0388	0.0595	4.808078	4.345096
12	0.2699	0.0813	0.0308	0.0682	3.437261	
13	0.2452	0.0856	0.0444	0.0589	4.789948	
14	0.2494	0.0895	0.0438	0.0615	4.895836	4.236735
15	0.2568	0.0745	0.0392	0.0634	3.563202	
16	0.2404	0.0781	0.0354	0.0525	4.251166	
21	0.2825	0.0777	0.0476	0.0435	5.287835	5.380792
22	0.326	0.0915	0.0528	0.0574	5.73609	
23	0.265	0.0856	0.0497	0.0574	5.11845	
24	0.3179	0.0683	0.0466	0.0621	3.588081	4.788839
25	0.2919	0.0854	0.0485	0.0531	5.332291	
26	0.3386	0.0903	0.0526	0.0612	5.446144	
31	0.3397	0.0796	0.0645	0.0365	6.585133	5.950593
32	0.3193	0.0664	0.0482	0.0327	5.181537	
33	0.3442	0.0753	0.0532	0.0319	6.085108	
34	0.3103	0.0691	0.0559	0.0315	5.743037	6.425989
35	0.3097	0.0825	0.0523	0.0354	6.307963	
36	0.2984	0.0895	0.0586	0.0321	7.226966	
41	0.4496	0.1579	0.0545	0.125	6.781014	6.114628
42	0.4122	0.1515	0.0626	0.1255	6.592208	
43	0.4678	0.1216	0.0714	0.125	4.970662	
44	0.4576	0.1654	0.0706	0.1243	8.016884	6.757589
45	0.4234	0.1589	0.0531	0.1251	6.753596	
46	0.4513	0.1403	0.0525	0.1245	5.502287	
51	0.4845	0.1537	0.0757	0.1859	3.971975	6.04665
52	0.5112	0.1468	0.0801	0.1434	6.103768	
53	0.4474	0.1626	0.092	0.1354	8.064206	
54	0.4935	0.1654	0.0831	0.1459	7.359955	6.857258
55	0.4852	0.1612	0.0952	0.1531	7.148948	
56	0.4918	0.1597	0.0813	0.1605	6.062872	
61	0.3002	0.1393	0.0669	0.0889	7.838788	7.664694
62	0.3281	0.1213	0.0653	0.0779	7.174659	
63	0.3545	0.1257	0.0725	0.0749	7.981235	
64	0.3145	0.1385	0.0598	0.0612	9.071235	8.419271
65	0.3232	0.1293	0.0657	0.0712	8.120298	
66	0.3451	0.1254	0.0677	0.0693	8.066279	

Photometric Index (PI) : $1,29 (A_{460}) + 69,7 (A_{550}) + 41,2 (A_{620}) - 56,4 (A_{670})$

Keterangan :

(A₄₆₀) = Absorbansi dengan panjang gelombang 460

(A₅₅₀) = Absorbansi dengan panjang gelombang 550

(A₆₂₀) = Absorbansi dengan panjang gelombang 620

(A₆₇₀) = Absorbansi dengan panjang gelombang 670



Lampiran 3. Perhitungan TBA

mb	UJI TBA								
	ulangan 1			ulangan 2			TBA 1	TBA 2	TBA
	I	II	III	I	II	III			
	0.0007	0.0149	0.0085	0.005	0.0011	0.0098	0.06266	0.04134	0.052
10	0.0503	0.0499	0.0419	0.035	0.054	0.0609	0.36946	0.38974	0.3796
20	0.0464	0.0669	0.0591	0.0721	0.0563	0.0409	0.44824	0.44018	0.44421
30	0.0561	0.0589	0.0632	0.0624	0.077	0.0573	0.46332	0.51142	0.48737
40	0.0681	0.0586	0.0618	0.0587	0.0696	0.0753	0.4901	0.52936	0.50973
50	0.0983	0.0873	0.0746	0.0754	0.0801	0.0773	0.67652	0.60528	0.6409
60	0.0965	0.097	0.0901	0.0886	0.0972	0.0982	0.73736	0.7384	0.73788

Angka TBA = absorbansi x 7,8

Lampiran 4. Perhitungan Asam Lemak Bebas

MB	UJI ASAM LEMAK BEBAS								
	ULANGAN 1			ULANGAN 2			% FFA 1	% FFA 2	FFA
	I	II	III	I	II	III			
	1.2	1.1	1	1.1	1.2	1.2	0.099858	0.10591	0.102884
10	1.15	1.25	1.2	1.25	1.2	1.25	0.108936	0.111962	0.110449
20	1.3	1.4	1.3	1.5	1.6	1.4	0.12104	0.13617	0.128605
30	1.3	1.5	1.6	1.7	1.6	1.7	0.133144	0.1513	0.142222
40	1.8	2.1	2.1	2.3	2.4	2.4	0.18156	0.214846	0.198203
50	2.2	2.4	2.6	2.3	2.6	2.6	0.217872	0.22695	0.222411
60	2.7	2.5	2.6	2.8	2.6	2.75	0.236028	0.246619	0.241324

$$\% \text{ FFA} = \frac{\text{ml NaOH} \times \text{N} \times \text{Berat mol asam lemak}}{\text{berat sampel} \times 1000} \times 100$$

keterangan :

ml NaOH = jumlah NaOH yang digunakan untuk titrasi

N = Normalitas NaOH

Berat molekul asam lemak = 256

Lampiran 5. Perhitungan kadar lemak

UJI LEMAK													Rata-rata
ULANGAN 1						ULANGAN 2							
	k. saring	+sampel	stlh shoxlet	awal	akhir	k. saring	+sampel	stlh shoxlet	awal	akhir	kdr lemak 1	kdr lemak 2	
11	0.66293	2.04958	1.61156	1.38665	1.06863	0.67129	2.15032	1.61753	1.47903	1.14624	22.9344103	22.500558	21.8594
12	0.68906	2.21307	1.59733	1.52401	1.20827	0.66374	2.29206	1.78532	1.62832	1.17158	20.7177118	28.049769	
13	0.69376	2.08222	1.55538	1.38846	1.08616	0.67187	2.05485	1.53753	1.38298	1.17298	21.7723233	15.184601	
21	0.65786	2.37311	1.66543	1.71525	1.35757	0.66544	2.55167	1.59442	1.88623	1.49626	20.8529369	20.674573	22.6664
22	0.65186	2.51148	1.26748	1.85962	1.43562	0.68932	2.26892	1.44565	1.5796	1.21586	22.8003571	23.027349	
23	0.69499	2.73148	1.84996	2.03649	1.55469	0.68845	2.76963	1.68764	2.08118	1.56119	23.6583533	24.985345	
31	0.66394	2.22925	1.69157	1.56531	1.19763	0.64825	2.24435	1.91993	1.5961	1.19568	23.4892769	25.087401	23.1095
32	0.66231	2.30221	1.78048	1.6399	1.29817	0.68108	1.94523	1.44628	1.26415	0.9252	20.8384658	26.812483	
33	0.66026	2.59864	2.05087	1.93838	1.45061	0.69399	2.14314	1.59246	1.44915	1.19894	25.1637966	17.265984	
41	0.68376	2.47884	1.85345	1.79508	1.36969	0.68605	2.17705	1.65758	1.491	1.15632	23.6975511	22.44668	23.4986
42	0.67521	2.453	1.92767	1.77779	1.35246	0.67395	2.30968	1.73549	1.63573	1.26154	23.924648	22.876025	
43	0.68198	2.66511	1.96574	1.98313	1.51376	0.67474	2.93885	2.18689	2.26411	1.71215	23.6681408	24.378674	
51	0.66445	2.01983	1.67374	1.35538	1.00629	0.64756	2.27488	1.86724	1.62732	1.23668	25.7558766	24.005113	23.7532
52	0.66084	2.08235	1.72814	1.42151	1.0673	0.65198	2.41956	1.98231	1.76758	1.33013	24.917869	24.748526	
53	0.62679	1.72507	1.40739	1.09828	0.86806	0.65648	1.76825	1.46221	1.11177	0.86573	20.9618676	22.130477	
61	0.67439	2.66477	2.09654	1.99038	1.50015	0.68599	2.19033	1.74084	1.50434	1.12584	24.6299702	25.160536	24.2722
62	0.69083	2.74307	2.14097	2.05224	1.55014	0.58557	2.32984	1.82356	1.74427	1.32563	24.4659494	24.000871	
63	0.67094	2.41556	1.90564	1.74462	1.3347	0.66196	2.53667	1.98899	1.87471	1.42703	23.4962341	23.87996	

$$\% \text{ kadar lemak} = \frac{\text{berat sampel awal} - \text{berat sampel akhir}}{\text{berat sampel awal}} \times 100\%$$

Lampiran 6. Standar Minyak Goreng

Karakteristik	Standar
Densitas *	0,899-928 Kg M ⁻³
Kadar air **	0,3 %
Asam Lemak Bebas **	0,3 %
TBA ***	1,296 malonaldehid/kg bahan
Smoke Point ****	170°C

Keterangan :

- * : (Maiti *et al.*, 1988).
- ** : SNI
- *** : (Legowo *et a.*, 2004)
- **** : (Rosell, 2001)

Lampiran 7. Standar Keripik Nangka

Karakteristik	Standar
Kadar Lemak	0,30%
Kadar Air	5%

Lampiran 8. Hasil Uji BHA

Lampiran 9. Perhitungan Uji BHA

$$\text{ppm BHA} = \frac{\text{luas area sampel} \times \text{standar BHA (ppm)}}{\text{luas area standar} \times \text{berat sampel (gram)}}$$

a. 100 ppm

Ulangan 1 :

$$\text{ppm BHA} = \frac{758}{1410772} \times 100(\text{ppm}) = 0,00107 \text{ ppm}$$

50 (gram)

Ulangan 2

$$\text{ppm BHA} = \frac{600}{1410772} \times 100(\text{ppm}) = 0,00085 \text{ ppm}$$

50 (gram)

b. 50 ppm

Ulangan 1

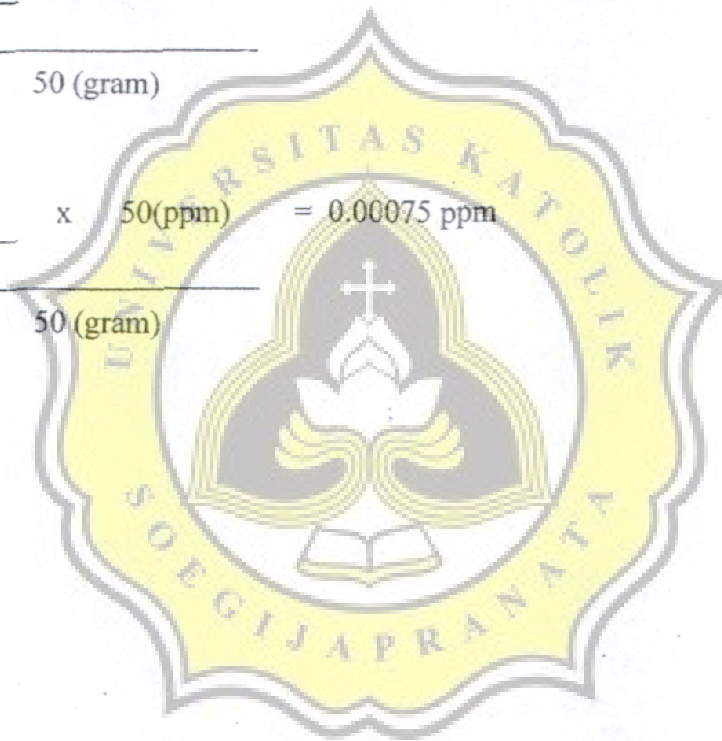
$$\text{ppm BHA} = \frac{758}{803753} \times 50(\text{ppm}) = 0,00094 \text{ ppm}$$

50 (gram)

Ulangan 2

$$\text{ppm BHA} = \frac{600}{803753} \times 50(\text{ppm}) = 0,00075 \text{ ppm}$$

50 (gram)



Lampiran 10. Kuisisioner Analisa Warna Keripik Nangka

**KUESIONER ANALISA KERIPIK NANGKA TERHADAP
KONSUMEN**

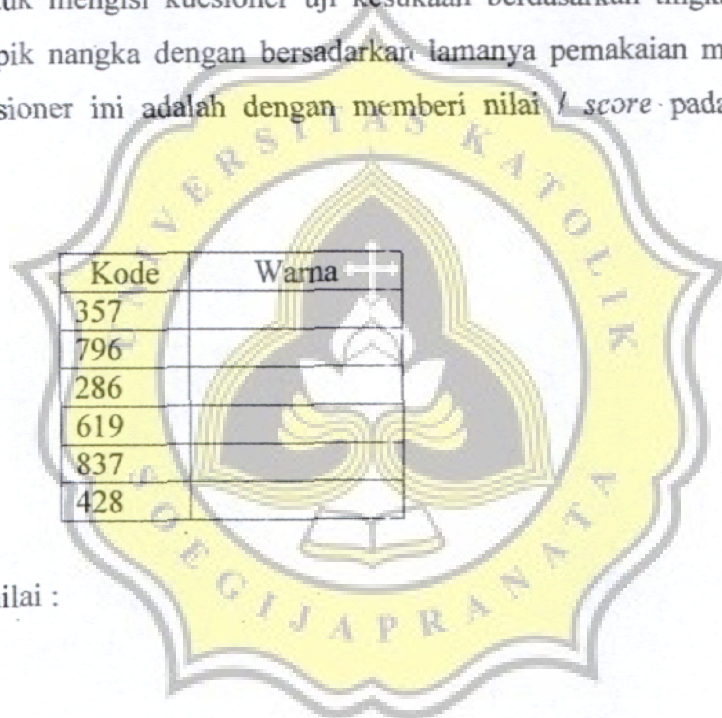
Nama Panelis :

Jenis Kelamin : L / P

Umur :

Tanggal :

Saudara diminta untuk mengisi kuisisioner uji kesukaan berdasarkan tingkat penerimaan terhadap produk kripik nangka dengan berdasarkan lamanya pemakaian minyak goreng. Cara pengisian kuisisioner ini adalah dengan memberi nilai / score pada kolom yang tersedia.



Kode	Warna
357	
796	
286	
619	
837	
428	

Keterangan score / nilai :

- 1 = Kuning muda
- 2 = Kuning
- 3 = Kuning tua
- 4 = Kuning kecoklatan
- 5 = Coklat

Lampiran 10 Data SPSS.

plore

SAMPEL

Tests of Normality

SAMPEL	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
1.00	.186	6	.200*	.860	6	.233
2.00	.349	6	.021	.759	6	.030
3.00	.162	6	.200*	.917	6	.462
4.00	.194	6	.200*	.925	6	.493
5.00	.236	6	.200*	.825	6	.098
6.00	.271	6	.190	.876	6	.298

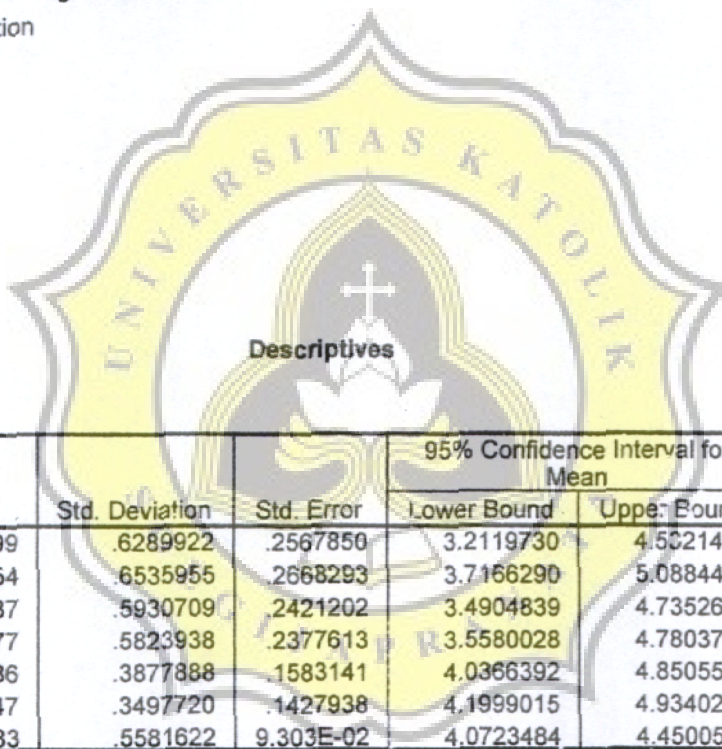
*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

AIR

eway

AIR



	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
.00	6	3.8720599	.6289922	.2567850	3.2119730	4.5321467
.00	6	4.4025354	.6535955	.2668293	3.7166290	5.0884419
.00	6	4.1128737	.5930709	.2421202	3.4904839	4.7352634
.00	6	4.1691877	.5823938	.2377613	3.5580028	4.7803725
.00	6	4.4435986	.3877888	.1583141	4.0366392	4.8505580
.00	6	4.5669647	.3497720	.1427938	4.1999015	4.9340278
total	36	4.2612033	.5581622	9.303E-02	4.0723484	4.4500583

Descriptives

AIR

	Minimum	Maximum
.00	3.18881	4.60572
.00	3.11636	4.92166
.00	3.13671	4.69889
.00	3.30312	4.82287
.00	4.00327	4.84657
.00	4.07504	4.93950
total	3.11636	4.93950

Test of Homogeneity of Variances

AIR

Levene Statistic	df1	df2	Sig.
.611	5	30	.692

ANOVA

AIR

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.972	5	.394	1.325	.281
Within Groups	8.932	30	.298		
Total	10.904	35			

Post Hoc Tests

Homogeneous Subsets

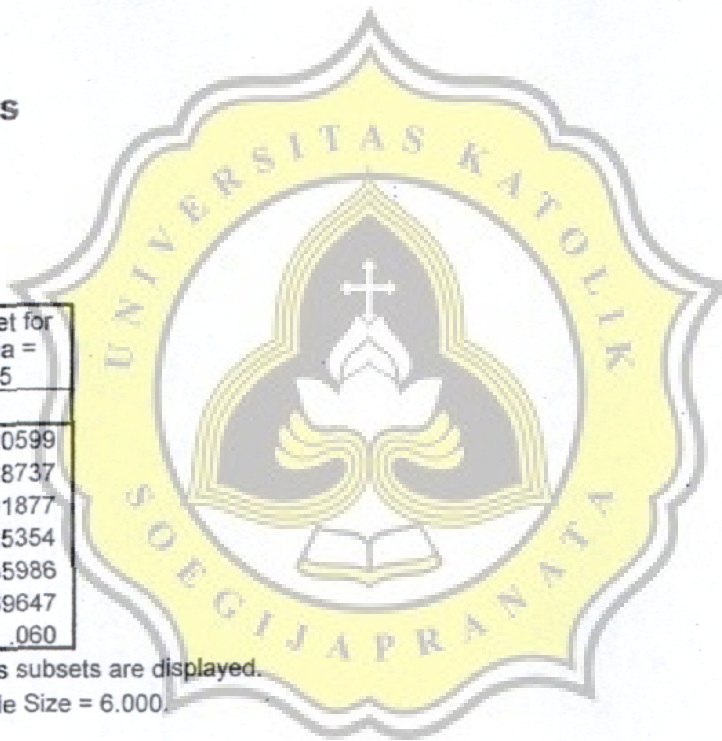
K.AIR

uncan^a

SAMPSEL	N	Subset for alpha = .05	
			1
0.00	6	3.8720599	
1.00	6	4.1128737	
2.00	6	4.1691877	
3.00	6	4.4025354	
4.00	6	4.4435986	
5.00	6	4.5669647	
Sig.			.060

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.



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Tests of Normality

SAMPEL	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
1.00	.231	6	.200*	.951	6	.702
2.00	.199	6	.200*	.921	6	.477
3.00	.214	6	.200*	.914	6	.448
4.00	.261	6	.200*	.936	6	.580
5.00	.217	6	.200*	.927	6	.499
6.00	.175	6	.200*	.975	6	.907

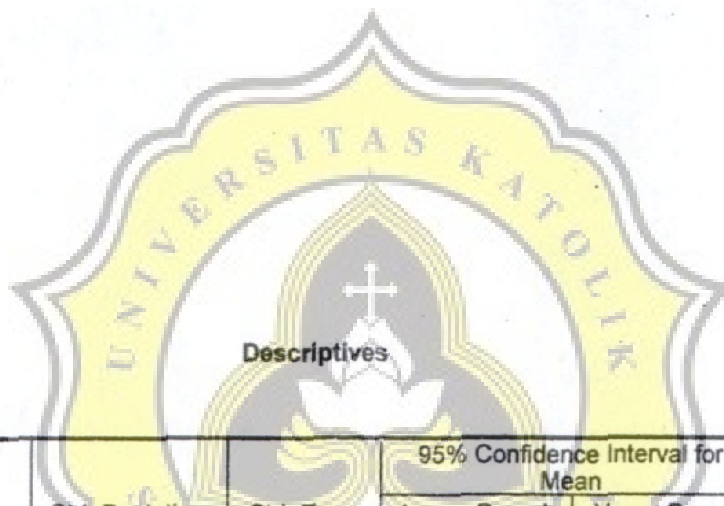
*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

LEMAK

away

LEMAK



Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
00	6	21.859896	4.1412889	1.6906741	17.5138794	26.2059118
00	6	22.666486	1.6592606	.6773903	20.9251985	24.4077728
00	6	23.109568	3.5012232	1.4293684	19.4352593	26.7838760
00	6	23.498620	.7097195	.2897418	22.7538149	24.2434247
00	6	23.694759	1.8315005	.7477069	21.7727175	25.6168012
00	6	24.272253	.5973730	.2438765	23.6453489	24.8991580
total	36	23.183597	2.4101528	.4016921	22.3681185	23.9990753

Descriptives

LEMAK

	Minimum	Maximum
00	15.18460	28.04977
00	20.67457	24.98534
00	17.26598	26.81248
00	22.44668	24.37867
00	20.96187	25.75588
00	23.49623	25.16054
total	15.18460	28.04977

Test of Homogeneity of Variances

LEMAK

Levene Statistic	df1	df2	Sig.
2.399	5	30	.061

ANOVA

LEMAK

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	21.425	5	4.285	.707	.623
Within Groups	181.885	30	6.063		
Total	203.309	35			

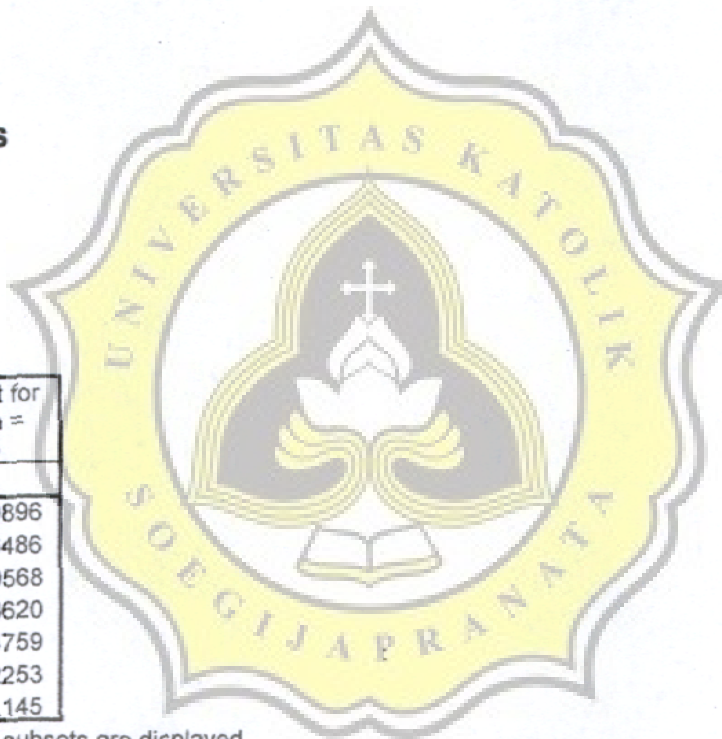
Post Hoc Tests

Homogeneous Subsets

K.LEMAK

can^a

SAMPOL	N	Subset for alpha = .05
		1
00	6	21.859896
00	6	22.666486
00	6	23.109568
00	6	23.498620
00	6	23.694759
00	6	24.272253
g.		.145



Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

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MPPEL

Tests of Normality

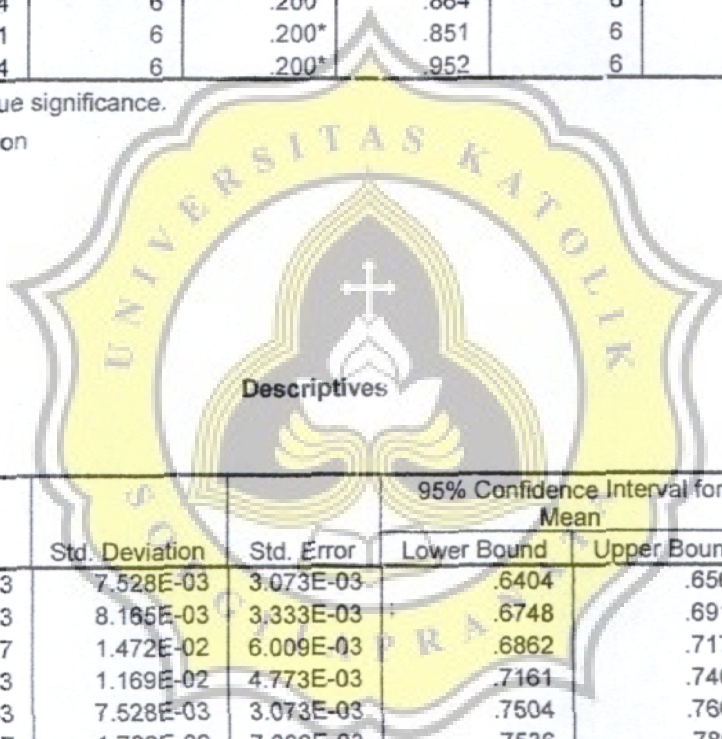
SAMPEL	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
ISCO	.00	.254	6	.200*	.864	6	.252
	1.00	.293	6	.117	.814	6	.084
	2.00	.214	6	.200*	.952	6	.714
	3.00	.223	6	.200*	.896	6	.387
	4.00	.254	6	.200*	.864	6	.252
	5.00	.251	6	.200*	.851	6	.201
	6.00	.214	6	.200*	.952	6	.714

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

eway

CO



Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
0	6	.6483	7.528E-03	3.073E-03	.6404	.6562
00	6	.6833	8.165E-03	3.333E-03	.6748	.6919
00	6	.7017	1.472E-02	6.009E-03	.6862	.7171
00	6	.7283	1.169E-02	4.773E-03	.7161	.7406
00	6	.7583	7.528E-03	3.073E-03	.7504	.7662
00	6	.7717	1.722E-02	7.032E-03	.7536	.7897
00	6	.8117	1.472E-02	6.009E-03	.7962	.8271
total	42	.7290	5.373E-02	8.291E-03	.7123	.7458

Descriptives

CO

	Minimum	Maximum
0	.64	.66
00	.67	.69
00	.68	.72
00	.71	.74
00	.75	.77
00	.75	.79
00	.79	.83
total	.64	.83

Test of Homogeneity of Variances

CO

Levene Statistic	df1	df2	Sig.
2.423	6	35	.046

ANOVA

CO

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.113	6	1.885E-02	126.099	.000
Within Groups	5.233E-03	35	1.495E-04		
Total	.118	41			



Post Hoc Tests

Homogeneous Subsets

VISCO

can^a

SAMPLE	N	Subset for alpha = .05					
		1	2	3	4	5	6
0	6	.6483					
00	6		.6833				
00	6			.7017			
00	6				.7283		
00	6					.7583	
00	6						.7717
00	6						.8117
g.		1.000	1.000	1.000	1.000	.067	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

lore

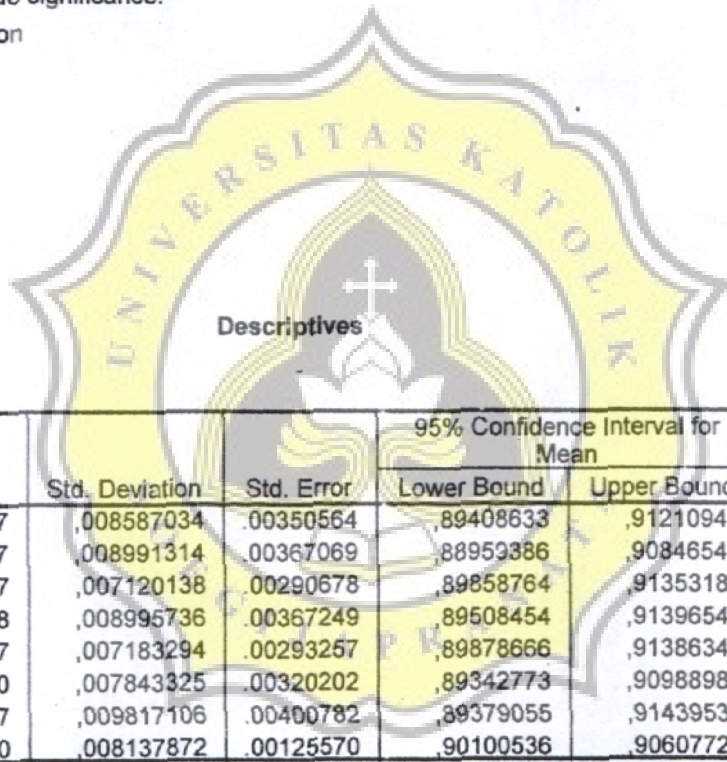
Tests of Normality

SAMPEL	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
ENSITAS	,00	,311	6	,071	,790	6	,047
	1,00	,283	6	,144	,823	6	,093
	2,00	,361	6	,014	,781	6	,039
	3,00	,352	6	,019	,731	6	,013
	4,00	,346	6	,024	,772	6	,032
	5,00	,192	6	,200*	,892	6	,330
	6,00	,248	6	,200*	,841	6	,133

. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

away



Descriptives

NSITAS

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
0	6	,90309787	,008587034	,00350564	,89408633	,91210941
00	6	,89902967	,008991314	,00367069	,88959386	,90846547
00	6	,90605977	,007120138	,00290678	,89858764	,91353189
00	6	,90452498	,008995736	,00367249	,89508454	,91396543
00	6	,90632507	,007183294	,00293257	,89878666	,91386347
00	6	,90165880	,007843325	,00320202	,89342773	,90988987
00	6	,90409297	,009817106	,00400782	,89379055	,91439539
total	42	,90354130	,008137872	,00125570	,90100536	,90607724

Descriptives

NSITAS

	Minimum	Maximum
0	,892190	,910826
00	,890625	,910223
00	,893370	,911629
00	,892780	,911830
00	,893173	,911428
00	,892386	,910668
00	,892583	,913867
total	,890625	,913867

Test of Homogeneity of Variances

DENSITAS

Levene Statistic	df1	df2	Sig.
,595	6	35	,732

ANOVA

DENSITAS

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,000	6	,000	,557	,761
Within Groups	,002	35	,000		
Total	,003	41			

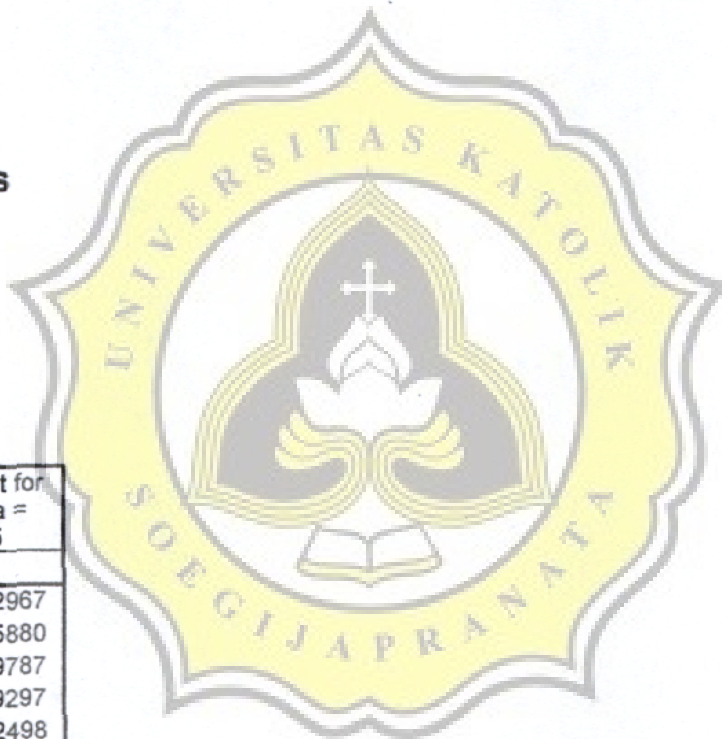
Post Hoc Tests

Homogeneous Subsets

DENSITAS

Mean^a

AMPEL	N	Subset for alpha = .05
		1
00	6	,89902967
00	6	,90165880
0	6	,90309787
00	6	,90409297
00	6	,90452498
00	6	,90605977
00	6	,90632507
g.		,202



Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

plore

Tests of Normality

SAMPEL	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
MOKE .00	.254	6	.200*	.864	6	.252
1.00	.333	6	.036	.851	6	.199
2.00	.333	6	.036	.851	6	.199
3.00	.325	6	.047	.819	6	.090
4.00	.209	6	.200*	.893	6	.366
5.00	.175	6	.200*	.979	6	.937
6.00	.247	6	.200*	.926	6	.495

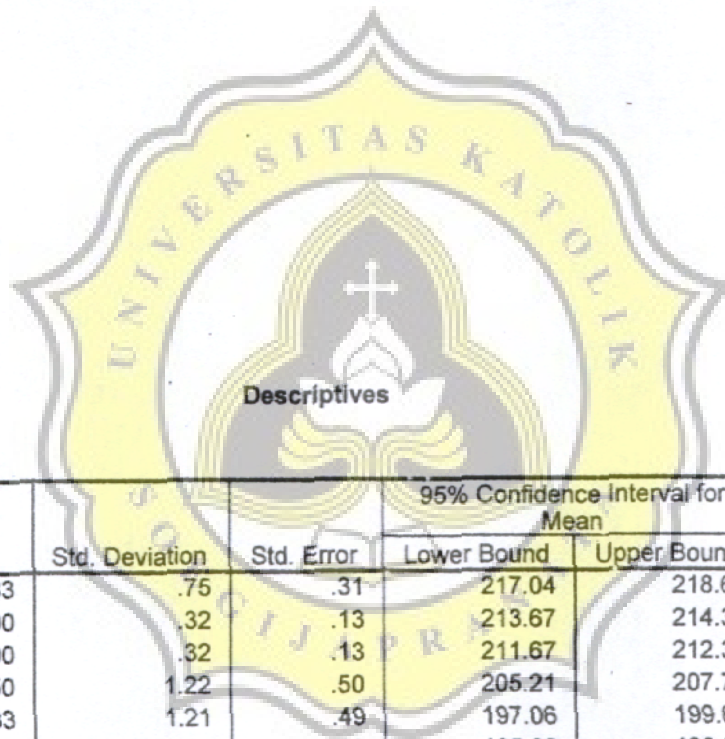
*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

MOKE

away

MOKE



Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
0	6	217.83	.75	.31	217.04	218.62
00	6	214.00	.32	.13	213.67	214.33
00	6	212.00	.32	.13	211.67	212.33
00	6	206.50	1.22	.50	205.21	207.79
00	6	198.33	1.21	.49	197.06	199.60
00	6	197.17	2.04	.83	195.02	199.31
00	6	188.50	2.26	.92	186.13	190.87
total	42	204.90	10.02	1.55	201.78	208.03

Descriptives

SMOKE

	Minimum	Maximum
00	217	219
00	214	215
00	212	213
00	205	208
00	197	200
00	194	200
00	186	192
Total	186	219

Test of Homogeneity of Variances

SMOKE

Levene Statistic	df1	df2	Sig.
4.989	6	35	.001

ANOVA

SMOKE

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4049.619	6	674.937	363.427	.000
Within Groups	65.000	35	1.857		
Total	4114.619	41			

Post Hoc Tests

Homogeneous Subsets

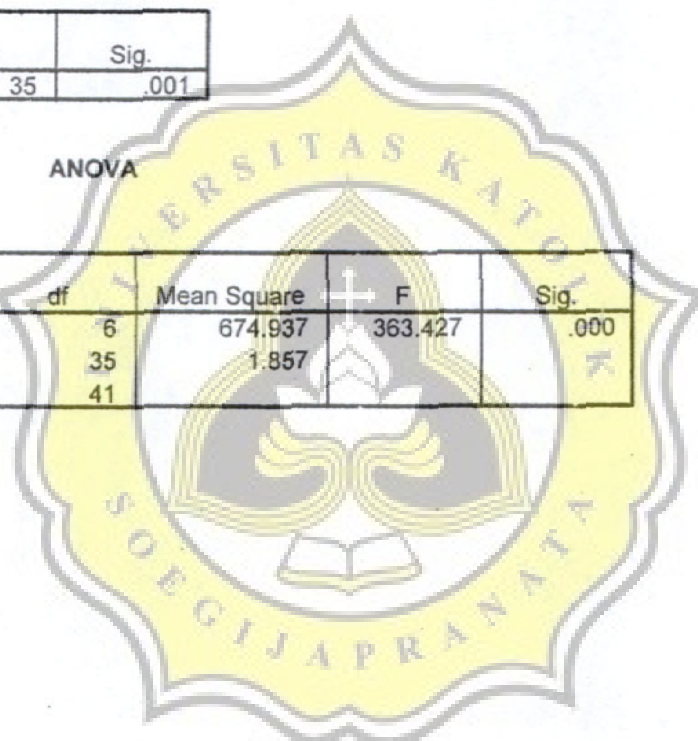
SMOKE

uncan^a

SAMPPEL	N	Subset for alpha = .05					
		1	2	3	4	5	6
00	6	188.50					
00	6		197.17				
00	6		198.33				
00	6			206.50			
00	6				212.00		
00	6					214.00	
00	6						217.83
g.		1.000	.147	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.



polore

MPPEL

Tests of Normality

SAMPEL	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
AIR 0	.209	6	.200*	.893	6	.366
1	.293	6	.117	.922	6	.480
2	.293	6	.117	.814	6	.084
3	.251	6	.200*	.851	6	.201
4	.285	6	.138	.819	6	.091
5	.153	6	.200*	.956	6	.746
6	.191	6	.200*	.912	6	.439

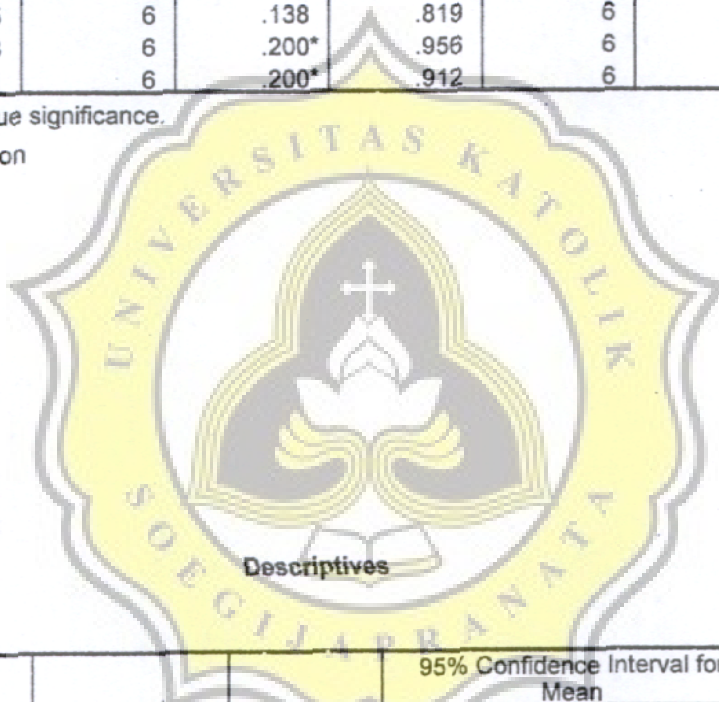
. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

AIR

eway

AIR



Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
	6	.2133	1.211E-02	4.944E-03	.2006	.2260
	6	.2233	1.033E-02	4.216E-03	.2125	.2342
	6	.2433	8.165E-03	3.333E-03	.2348	.2519
	6	.2483	1.722E-02	7.032E-03	.2303	.2664
	6	.2800	1.265E-02	5.164E-03	.2667	.2933
	6	.2983	2.483E-02	1.014E-02	.2723	.3244
	6	.3017	2.787E-02	1.138E-02	.2724	.3309
total	42	.2583	3.695E-02	5.702E-03	.2468	.2698

Descriptives

AIR

	Minimum	Maximum
	.20	.23
	.21	.24
	.23	.25
	.23	.27
	.26	.29
	.27	.34
	.27	.34
Total	.20	.34

Test of Homogeneity of Variances

AIR

Levene Statistic	df1	df2	Sig.
2.637	6	35	.032

ANOVA

AIR

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.513E-02	6	7.522E-03	24.265	.000
Within Groups	1.085E-02	35	3.100E-04		
Total	5.598E-02	41			

Post Hoc Tests

Homogeneous Subsets

K_AIR

uncan^a

SAMPPEL	N	Subset for alpha = .05			
		1	2	3	4
	6	.2133			
	6	.2233	.2233		
	6		.2433	.2433	
	6			.2483	
	6				.2800
	6				.2983
	6				.3017
Sig.		.332	.057	.626	.050

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

Tests of Normality

SAMPEL	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
.00	.178	6	.200*	.928	6	.512
1.00	.221	6	.200*	.972	6	.881
2.00	.147	6	.200*	.956	6	.749
3.00	.296	6	.109	.819	6	.091
4.00	.201	6	.200*	.894	6	.370
5.00	.256	6	.200*	.845	6	.176
6.00	.344	6	.025	.779	6	.044

This is a lower bound of the true significance.

Lilliefors Significance Correction



Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
0	6	5.200E-02	4.276980E-02	1.746E-02	7.115845E-03	9.688415E-02
00	6	.3796000	7.104882E-02	2.901E-02	.3050388	.4541612
000	6	.4442100	9.245386E-02	3.774E-02	.3471856	.5412344
0000	6	.4873700	5.957774E-02	2.432E-02	.4248470	.5498930
00000	6	.5097300	5.255776E-02	2.146E-02	.4545740	.5648860
000000	6	.6409000	7.128648E-02	2.910E-02	.5660894	.7157106
0000000	6	.7378800	3.222448E-02	1.316E-02	.7040625	.7716975
Total	42	.4645271	.2127907	3.283E-02	.3982169	.5308374

Descriptives

	Minimum	Maximum
0	.00546	.11622
00	.27300	.47502
00	.31902	.56238
00	.43758	.60060
00	.45708	.58734
00	.58188	.76674
00	.69108	.76596
Total	.00546	.76674

Test of Homogeneity of Variances

Levene Statistic	df1	df2	Sig.
1.089	6	35	.388

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.717	6	.286	71.917	.000
Within Groups	.139	35	3.980E-03		
Total	1.856	41			

Post Hoc Tests

Homogeneous Subsets

TBA

can^a

SAMPOL	N	Subset for alpha = .05				
		1	2	3	4	5
0	6	5.200E-02				
00	6		.3796000			
00	6		.4442100	.4442100		
00	6			.4873700		
00	6			.5097300		
00	6				.6409000	
00	6					.7378800
g.		1.000	.085	.097	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

plore

Tests of Normality

SAMPEL	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
SM_LMK .00	.293	6	.117	.814	6	.084
1.00	.293	6	.117	.814	6	.084
2.00	.223	6	.200*	.898	6	.387
3.00	.254	6	.200*	.864	6	.252
4.00	.193	6	.200*	.880	6	.313
5.00	.303	6	.090	.815	6	.085
6.00	.200	6	.200*	.951	6	.700

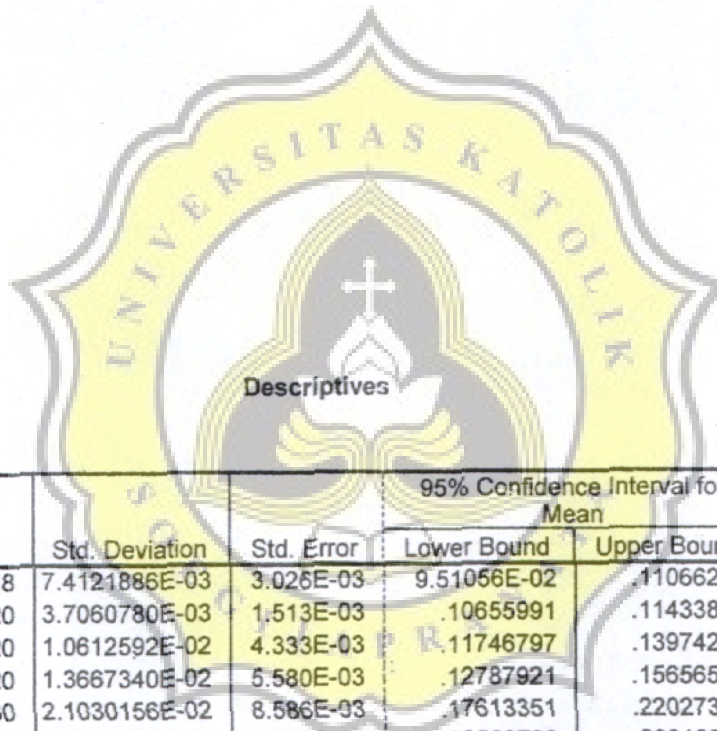
*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

SM_LMK

eway

SM_LMK



Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
0	6	.10288418	7.4121886E-03	3.026E-03	9.51056E-02	.11066280
00	6	.11044920	3.7060780E-03	1.513E-03	.10655991	.11433849
00	6	.12860520	1.0612592E-02	4.333E-03	.11746797	.13974243
00	6	.14222220	1.3667340E-02	5.580E-03	.12787921	.15656519
00	6	.19820330	2.1030156E-02	8.586E-03	.17613351	.22027309
00	6	.22241135	1.5983519E-02	6.525E-03	.20563768	.23918502
00	6	.24132390	1.0115624E-02	4.130E-03	.23070820	.25193960
total	42	.16372848	5.3915364E-02	8.319E-03	.14692727	.18052969

Descriptives

M_LMK

	Minimum	Maximum
0	.090780	.108936
00	.104397	.113475
00	.118014	.145248
00	.118014	.154326
00	.163404	.217872
00	.199716	.236028
00	.226950	.254184
total	.090780	.254184

Test of Homogeneity of Variances

M_LMK

Levene Statistic	df1	df2	Sig.
3.194	6	35	.013

ANOVA

M_LMK

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.113	6	1.889E-02	113.195	.000
Within Groups	5.841E-03	35	1.669E-04		
Total	.119	41			

Post Hoc Tests

Homogeneous Subsets

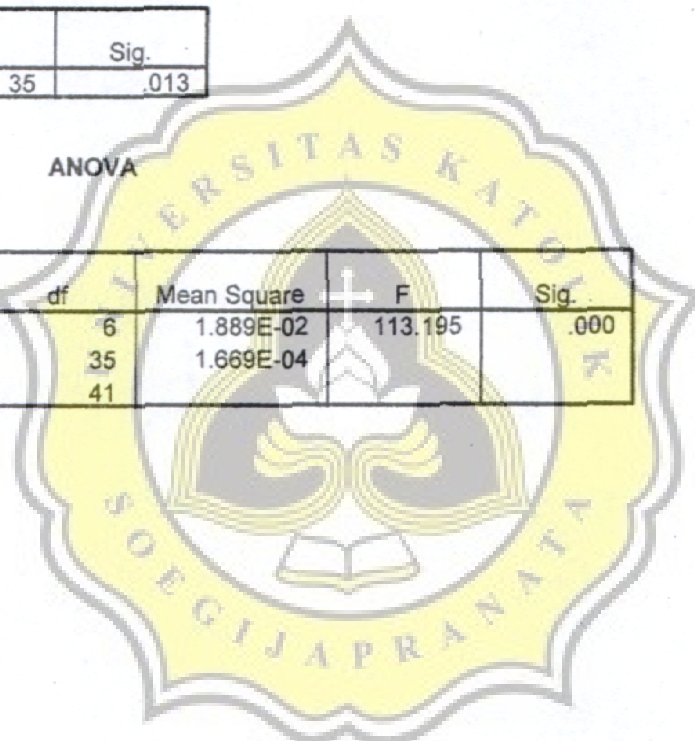
ASM_LMK

uncan^a

AMPEL	N	Subset for alpha = .05				
		1	2	3	4	5
0	6	.10288418				
00	6	.11044920				
00	6		.12860520			
00	6		.14222220			
00	6			.19820330		
00	6				.22241135	
00	6					.24132390
Sig.		.317	.076	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.



Tests of Normality

SAMPel	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
ARNA .00	.201	6	.200*	.968	6	.845
1.00	.163	6	.200*	.957	6	.588
2.00	.184	6	.200*	.959	6	.770
3.00	.169	6	.200*	.955	6	.739
4.00	.207	6	.200*	.884	6	.330
5.00	.250	6	.200*	.853	6	.207
6.00	.219	6	.200*	.928	6	.505

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

RNA

away

RNA



Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	
					Lower Bound	Upper Bound
0	6	2.051367	.456496	.186364	1.572303	2.530430
00	6	4.256767	.597006	.243727	3.630247	4.883286
00	6	5.008283	.821200	.335254	4.146486	5.870080
00	6	6.138500	.617460	.252077	5.490516	6.786484
00	6	6.429917	.977900	.399226	5.403674	7.456160
00	6	6.499633	.533093	.217634	5.940186	7.059081
00	6	8.098800	.976533	.398668	7.073992	9.123608
total	42	5.497610	1.946279	.300317	4.891106	6.104113