

## LAMPIRAN 1 : KUESIONER MIE

# KUESIONER

Nama :

Umur :

Tanggal :

Saudara diminta untuk memberikan penilaian terhadap 10 macam mie yang berupa Tekstur, Rasa, Bentuk, dan Warna mie tersebut. Tuliskan penilaian anda pada kolom yang disediakan (berupa angka).

### a. Uji Kenampakan, Warna dan Tekstur

Kode Sampel										
Kenampakan										
Warna										
Tekstur										

Penilaian :

1. Sangat dapat diterima.
2. Dapat diterima.
3. Agak dapat diterima.
4. Tidak dapat diterima.
5. Sangat tidak dapat diterima.

### b. Uji Rasa

Kode Sampel										
Rasa										

Penilaian :

1. Sangat enak.
2. Enak
3. Agak Enak.
4. Tidak Enak
5. Sangat tidak Enak.

c. Sebutkan warna dari masing-masing sampel menurut anda.

Kode Sampel									

### UJI KESUKAAN

Kode Sampel									
634	316	119	242	781	945	293	637	824	120

Penilaian :

1. Sangat suka.
2. Suka.
3. Agak suka.
4. Tidak suka.
5. Sangat tidak suka.



**LAMPIRAN 2: UJI NORMALITAS KADAR ABU, KADAR AIR, KARBOHIDRAT, PROTEIN, LEMAK DAN SERAT KASAR PADA TEPUNG GUDE DAN TEPUNG TERIGU.**

1. Kadar Abu.

A. KADAR ABU By PENGERINGAN 1.00

Valid cases:	6.0	Missing cases:	.0	Percent missing:	.0
Mean	1.3215	Std Err	.3660	Min	.5500
Median	1.0606	Variance	.8038	Max	2.6877
5% Trim	1.2885	Std Dev	.8966	Range	2.1377
95% CI for Mean (.3806, 2.2624)		IQR	1.5920	Skewness	.6721
				S E Skew	.8452
				Kurtosis	-1.2523
				S E Kurt	1.7408

	Statistic	df	Significance
Shapiro-Wilks	.8396	6	.1538
K-S (Lilliefors)	.2895	6	.1267

B. KADAR ABU By PENGERINGAN 2.00

Valid cases:	6.0	Missing cases:	.0	Percent missing:	.0
Mean	.9730	Std Err	.1862	Min	.5500
Median	.8600	Variance	.2080	Max	1.5343
5% Trim	.9653	Std Dev	.4561	Range	.9843
95% CI for Mean (.4943, 1.4516)		IQR	.9012	Skewness	.3250
				S E Skew	.8452
				Kurtosis	-2.5570
				S E Kurt	1.7408

	Statistic	df	Significance
Shapiro-Wilks	.7997	6	.0654
K-S (Lilliefors)	.2933	6	.1165

2. Kadar Air

A. KADAR AIR By KERING 1.00

Valid cases:	6.0	Missing cases:	.0	Percent missing:	.0
Mean	11.6251	Std Err	.5562	Min	9.9600
Median	11.9524	Variance	1.8559	Max	12.8303
5% Trim	11.6506	Std Dev	1.3623	Range	2.8703
95% CI for Mean (10.1954, 13.0547)		IQR	2.6640	Skewness	-.2794
				S E Skew	.8452
				Kurtosis	-2.6582
				S E Kurt	1.7408

	Statistic	df	Significance
Shapiro-Wilks	.7783	6	.0435
K-S (Lilliefors)	.1882	6	> .2000

B. KADAR AIR By PENERINGAN 2.00

Valid cases: 6.0 Missing cases: .0 Percent missing: .0

Mean	12.0167	Std Err	.3817	Min	10.6400	Skewness	-.4906
Median	12.1774	Variance	.8742	Max	12.8303	S E Skew	.8452
5* Trim	12.0480	Std Dev	.9350	Range	2.1903	Kurtosis	-1.6757
95* CI for Mean	(11.0355, 12.9980)			IQR	1.5790	S E Kurt	1.7408

	Statistic	df	Significance
Shapiro-Wilks	.8167	6	.0878
K-S (Lilliefors)	.1921	6	> .2000

3. Karbohidrat

A. KARBOHIDRAT By PENERINGAN 1.00

Valid cases: 6.0 Missing cases: .0 Percent missing: .0

Mean	65.5583	Std Err	2.2437	Min	59.5500	Skewness	-.0520
Median	65.9200	Variance	30.2063	Max	70.7200	S E Skew	.8452
5* Trim	65.6054	Std Dev	5.4960	Range	11.1700	Kurtosis	-3.1683
95* CI for Mean	(59.7906, 71.3261)			IQR	10.2925	S E Kurt	1.7408

	Statistic	df	Significance
Shapiro-Wilks	.7444	6	.0209
K-S (Lilliefors)	.2665	6	> .2000

B. KARBOHIDRAT By PENERINGAN 2.00

Valid cases: 6.0 Missing cases: .0 Percent missing: .0

Mean	65.5717	Std Err	2.2599	Min	59.0700	Skewness	-.1279
Median	66.2550	Variance	30.6437	Max	70.7200	S E Skew	.8452
5* Trim	65.6469	Std Dev	5.5357	Range	11.6500	Kurtosis	-2.9615
95* CI for Mean	(59.7623, 71.3810)			IQR	10.4950	S E Kurt	1.7408

	Statistic	df	Significance
Shapiro-Wilks	.7740	6	.0407
K-S (Lilliefors)	.2270	6	> .2000

#### 4. Lemak

A. LEMAK By PENERINGAN 1.00

Valid cases: 6.0 Missing cases: .0 Percent missing: .0

Mean	3.0775	Std Err	.4059	Min	1.9800	Skewness	-.0623
Median	3.1503	Variance	.9886	Max	4.0703	S E Skew	.8452
5% Trim	3.0833	Std Dev	.9943	Range	2.0903	Kurtosis	-3.0874
95% CI for Mean (2.0340, 4.1210)		IQR			1.8831	S E Kurt	1.7408

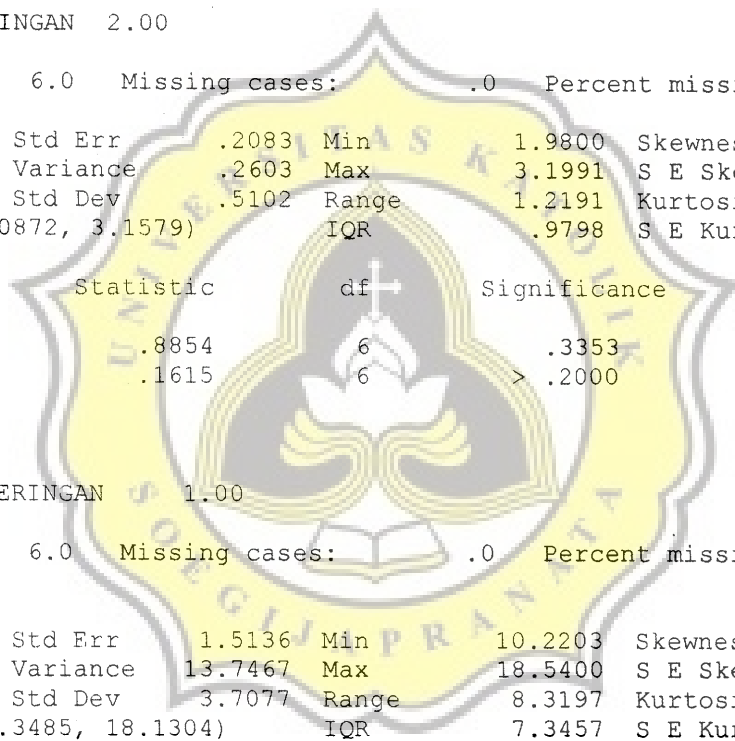
	Statistic	df	Significance
Shapiro-Wilks	.7747	6	.0411
K-S (Lilliefors)	.2490	6	> .2000

B. LEMAK By PENERINGAN 2.00

Valid cases: 6.0 Missing cases: .0 Percent missing: .0

Mean	2.6226	Std Err	.2083	Min	1.9800	Skewness	-.1736
Median	2.6782	Variance	.2603	Max	3.1991	S E Skew	.8452
5% Trim	2.6262	Std Dev	.5102	Range	1.2191	Kurtosis	-2.3515
95% CI for Mean (2.0872, 3.1579)		IQR			.9798	S E Kurt	1.7408

	Statistic	df	Significance
Shapiro-Wilks	.8854	6	.3353
K-S (Lilliefors)	.1615	6	> .2000



#### 5. Protein

A. PROTEIN By PENERINGAN 1.00

Valid cases: 6.0 Missing cases: .0 Percent missing: .0

Mean	14.2394	Std Err	1.5136	Min	10.2203	Skewness	.0982
Median	13.9686	Variance	13.7467	Max	18.5400	S E Skew	.8452
5% Trim	14.2238	Std Dev	3.7077	Range	8.3197	Kurtosis	-2.7081
95% CI for Mean (10.3485, 18.1304)		IQR			7.3457	S E Kurt	1.7408

	Statistic	df	Significance
Shapiro-Wilks	.8419	6	.1629
K-S (Lilliefors)	.2432	6	> .2000

B. PROTEIN By PENERINGAN 2.00

Valid cases: 6.0 Missing cases: .0 Percent missing: .0

Mean	15.5027	Std Err	2.0428	Min	10.2203	Skewness	-.0294
Median	15.6886	Variance	25.0384	Max	20.4100	S E Skew	.8452
5% Trim	15.5236	Std Dev	5.0038	Range	10.1897	Kurtosis	-3.1845
95% CI for Mean (10.2515, 20.7539)		IQR			9.5157	S E Kurt	1.7408

	Statistic	df	Significance
Shapiro-Wilks	.7514	6	.0256
K-S (Lilliefors)	.2693	6	.1987

6. Serat Kasar

A. SERAT KASAR By PENGERINGAN 1.00

Valid cases: 6.0 Missing cases: .0 Percent missing: .0

Mean	3.6006	Std Err	.2480	Min	2.9983	Skewness	.7051
Median	3.4126	Variance	.3692	Max	4.5200	S E Skew	.8452
5- Trim	3.5830	Std Dev	.6076	Range	1.5217	Kurtosis	-1.1914
95% CI for Mean (2.9630, 4.2382)		IQR			1.1004	S E Kurt	1.7408

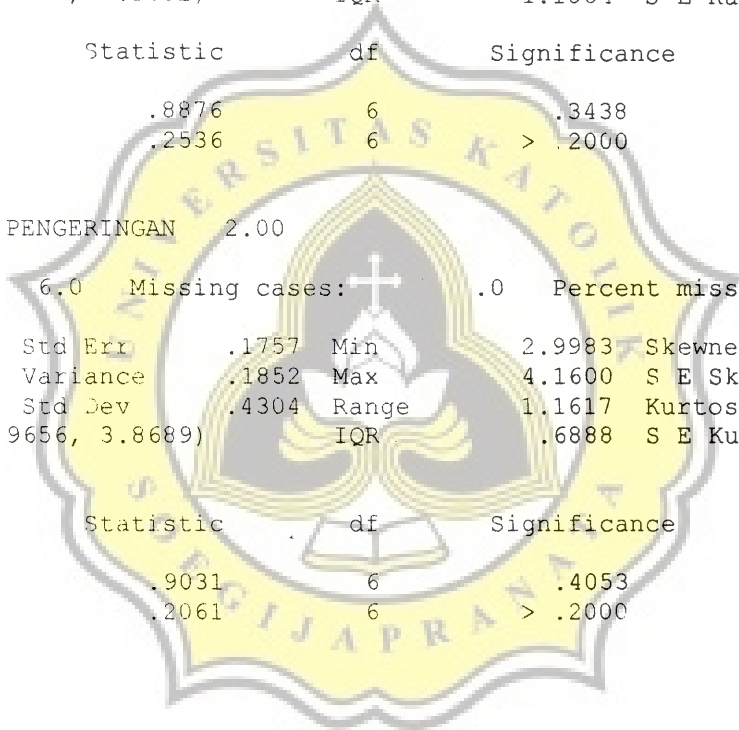
	Statistic	df	Significance
Shapiro-Wilks	.8876	6	.3438
K-S (Lilliefors)	.2536	6	> .2000

B. SERAT KASAR By PENGERINGAN 2.00

Valid cases: 6.0 Missing cases: .0 Percent missing: .0

Mean	3.4173	Std Err	.1757	Min	2.9983	Skewness	1.1505
Median	3.2970	Variance	.1852	Max	4.1600	S E Skew	.8452
5- Trim	3.3993	Std Dev	.4304	Range	1.1617	Kurtosis	.8801
95% CI for Mean (2.9656, 3.8689)		IQR			.6888	S E Kurt	1.7408

	Statistic	df	Significance
Shapiro-Wilks	.9031	6	.4053
K-S (Lilliefors)	.2061	6	> .2000



**LAMPIRAN 3 : UJI ANOVA SATU ARAH KADAR ABU, KADAR AIR, LEMAK, PROTEIN, KARBOHIDRAT, SERAT KASAR PADA TEPUNG GUDE DAN TEPUNG TERIGU.**

**1. Kadar Abu**

----- O N E W A Y -----

Variable KADAR ABU By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	3.6636	1.8318	10.5344	.0109
Within Groups	6	1.0433	.1739		
Total	8	4.7070			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	.5767	.0252	.0145	.5141 TO .6392
Grp 2	3	2.0667	.5888	.3399	.6041 TO 3.5292
Grp 3	3	1.7300	.4176	.2411	.6926 TO 2.7674
Total	9	1.4578	.7671	.2557	.8682 TO 2.0474

GROUP	MINIMUM	MAXIMUM
Grp 1	.5500	.6000
Grp 2	1.5200	2.6900
Grp 3	1.4500	2.2100
TOTAL	.5500	2.6900

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
3.5744	2	6	.095

- - - - - O N E W A Y - - - - -

Variable KAD\_ABU  
By Variable PERLAK

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .2949 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 3.46

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

		G G G
		r r r
		p p p
		1 3 2
Mean	PERLAK	
.5767	Grp 1	
1.7300	Grp 3	*
2.0667	Grp 2	*

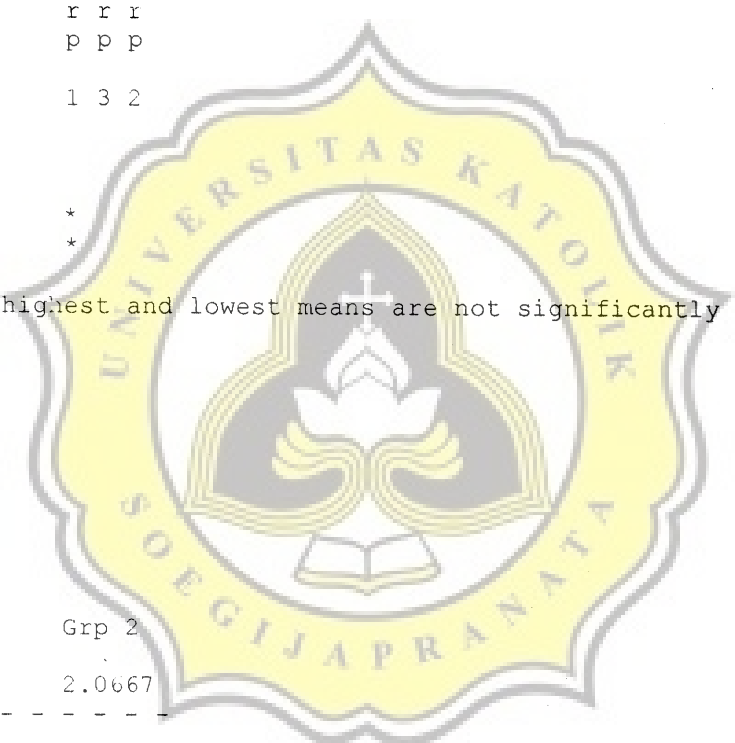
Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1

Group	Grp 1
Mean	.5767
-----	

Subset 2

Group	Grp 3	Grp 2
Mean	1.7300	2.0667
-----		



## 2. Kadar Air

- - - - - O N E W A Y - - - - -

Variable KADAR AIR By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	8.9071	4.4535	22.1117	.0017
Within Groups	6	1.2085	.2014		
Total	8	10.1156			



Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean		
Grp 1	3	12.8200	.0173	.0100	12.7770	TO	12.8630
Grp 2	3	10.4300	.5957	.3439	8.9501	TO	11.9099
Grp 3	3	11.2133	.4990	.2881	9.9737	TO	12.4530
Total	9	11.4878	1.1245	.3748	10.6234	TO	12.3521

GROUP	MINIMUM	MAXIMUM
Grp 1	12.8000	12.8300
Grp 2	9.9600	11.1000
Grp 3	10.6400	11.5500
TOTAL	9.9600	12.8300

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
5.7506	2	6	.040

--- O N E W A Y ---

Variable KADAR AIR By Variable PERLAKUAN

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .3173 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 3.46

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

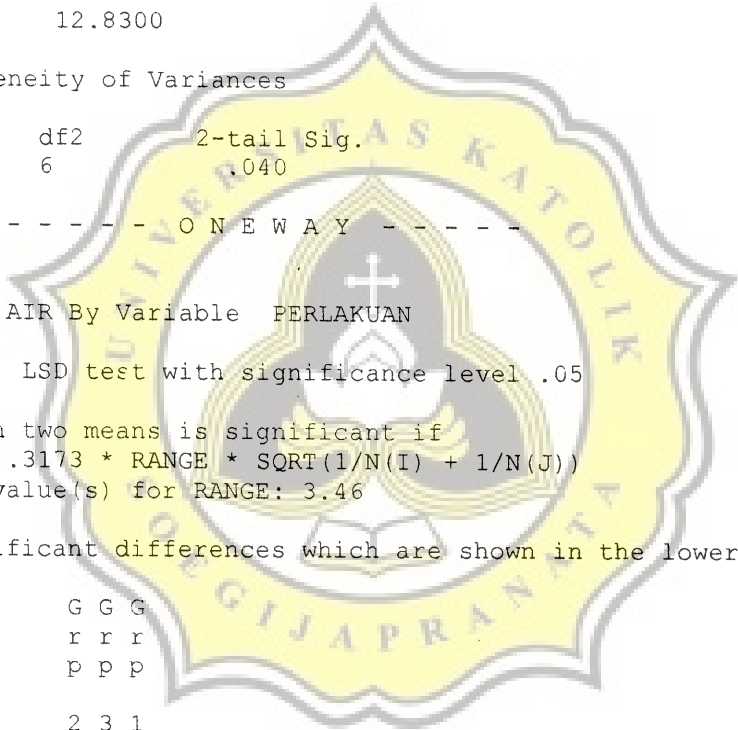
Mean	PERLAK	
10.4300	Grp 2	
11.2133	Grp 3	
12.8200	Grp 1	* *

G G G  
 r r r  
 p p p  
 2 3 1

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

Subset 1

Group	Grp 2	Grp 3
Mean	10.4300	11.2133



Subset 2

Group      Grp 1  
Mean      12.8200  
-----

### 3. Karbohidrat

----- O N E W A Y -----

Variable KARBOHIDRAT By Variable PERILAKUAN

#### Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	198.0061	99.0030	83.2526	.0000
Within Groups	6	7.1351	1.1892		
Total	8	205.1412			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int	for Mean
Grp 1	3	70.5400	.2307	.1332	69.9670	TO 71.1130
Grp 2	3	60.5767	1.0057	.5806	58.0783	TO 63.0750
Grp 3	3	60.6033	1.5821	.9134	56.6732	TO 64.5334
Total	9	63.9067	5.0639	1.6880	60.0142	TO 67.7991

GROUP	MINIMUM	MAXIMUM
Grp 1	70.2800	70.7200
Grp 2	59.5500	61.5600
Grp 3	59.0700	62.2300
TOTAL	59.0700	70.7200

#### Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
1.7779	2	6	.248

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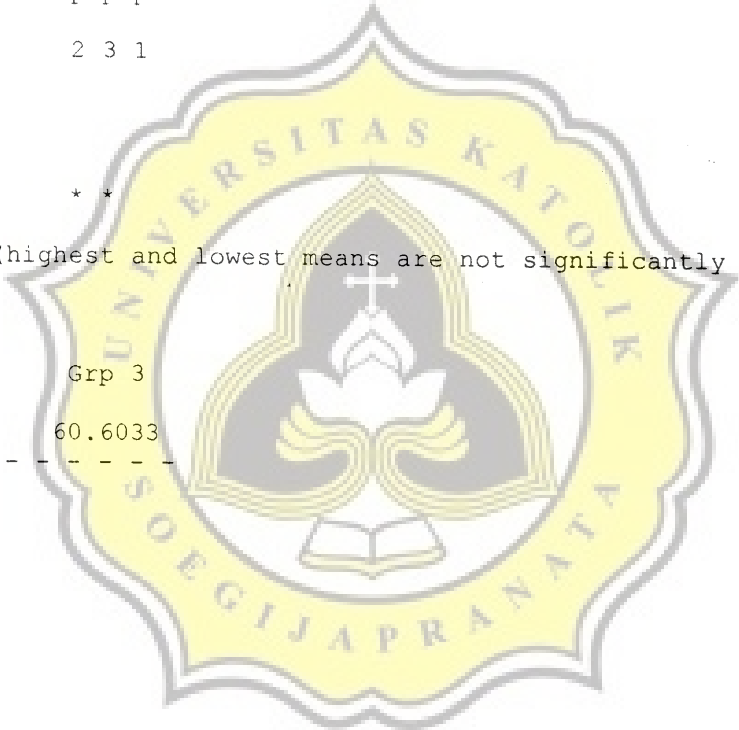
Variable KARBOHIDRAT By Variable PERLAKUAN

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .7711 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 3.46

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

		G G G
		r r r
		p p p
		2 3 1
Mean	PERLAK	
60.5767	Grp 2	
60.6033	Grp 3	
70.5400	Grp 1	* *
Homogeneous Subsets (highest and lowest means are not significantly different)		
Subsec 1		
Group	Grp 2	Grp 3
Mean	60.5767	60.6033
Subset 2		
Group	Grp 1	
Mean	70.5400	



**4. Lemak**

- - - - - O N E W A Y - - - - -

Variable LEMAK By Variable PERLAKUAN

Analysis of Variance

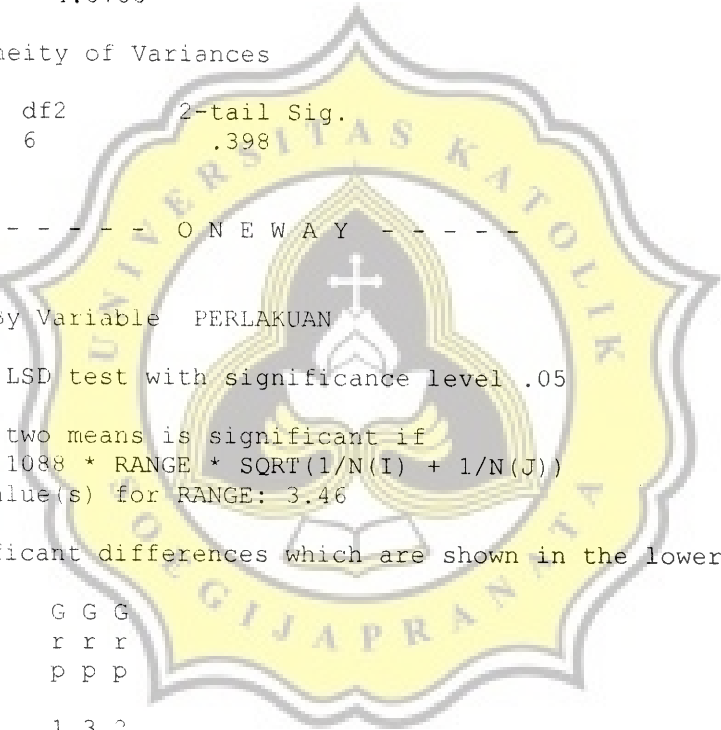
Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	4.8243	2.4121	101.9690	.0000
Within Groups	6	.1419	.0237		
Total	8	4.9662			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean		
Grp 1	3	2.1800	.2166	.1250	1.6420	TO	2.7180
Grp 2	3	3.9733	.0907	.0524	3.7479	TO	4.1987
Grp 3	3	3.0667	.1258	.0726	2.7541	TO	3.3793
Total	9	3.0733	.7879	.2626	2.4677	TO	3.6790

GROUP	MINIMUM	MAXIMUM
Grp 1	1.9800	2.4100
Grp 2	3.8900	4.0700
Grp 3	2.9500	3.2000
TOTAL	1.9800	4.0700

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
1.0771	2	6	.398



--- O N E W A Y ---

Variable LEMAK By Variable PERLAKUAN

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .1088 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 3.46

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

Mean	PERLAK	
2.1800	Grp 1	
3.0667	Grp 3	*
3.9733	Grp 2	* *

G G G  
 r r r  
 P P P  
 1 3 2

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

Subset 1

Group	Grp 1
Mean	2.1800

Subset 2

Group	Grp 3
Mean	3.0667
-----	

Subset 3

Group	Grp 2
Mean	3.9733
-----	

### 5. Protein

----- O N E W A Y -----

Variable PROTEIN By Variable PERLAKUAN

#### Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	131.5683	65.7841	82.1218	.0000
Within Groups	6	4.8063	.8011		
Total	8	136.3746			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int	for Mean
Grp 1	3	10.9667	.8053	.4649	8.9661 TO	12.9672
Grp 2	3	17.5133	1.2510	.7222	14.4057 TO	20.6210
Grp 3	3	20.0400	.4355	.2515	18.9580 TO	21.1220
Total	9	16.1733	4.1288	1.3763	12.9997 TO	19.3470

GROUP	MINIMUM	MAXIMUM
Grp 1	10.2200	11.8200
Grp 2	16.1200	18.5400
Grp 3	19.5600	20.4100
TOTAL	10.2200	20.4100

#### Leverie Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
1.7951	2	6	.245

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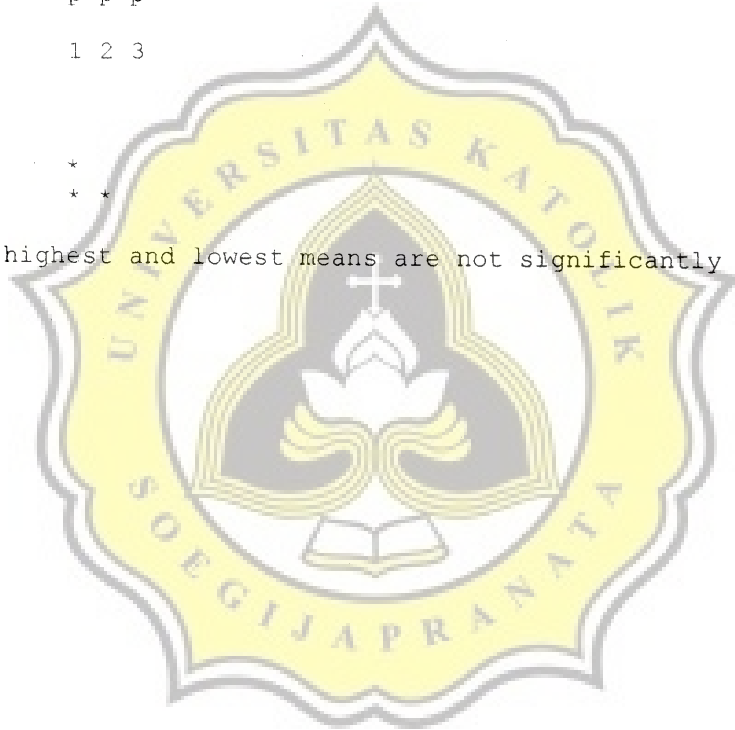
Variable PROTEIN By Variable PERLAKUAN

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .6329 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 3.46

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

		G G G
		r r r
		p p p
		1 2 3
Mean	PERLAK	
10.9667	Grp 1	
17.5133	Grp 2	*
20.0400	Grp 3	* *



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

Subset 1	
Group	Grp 1
Mean	10.9667
-----	
Subset 2	
Group	Grp 2
Mean	17.5133
-----	
Subset 3	
Group	Grp 3
Mean	20.0400
-----	

## 6. Serat Kasar

- - - - - O N E W A Y - - - - -

Variable SERAT KASAR By Variable PERLAKUAN

### Analysis of Variance

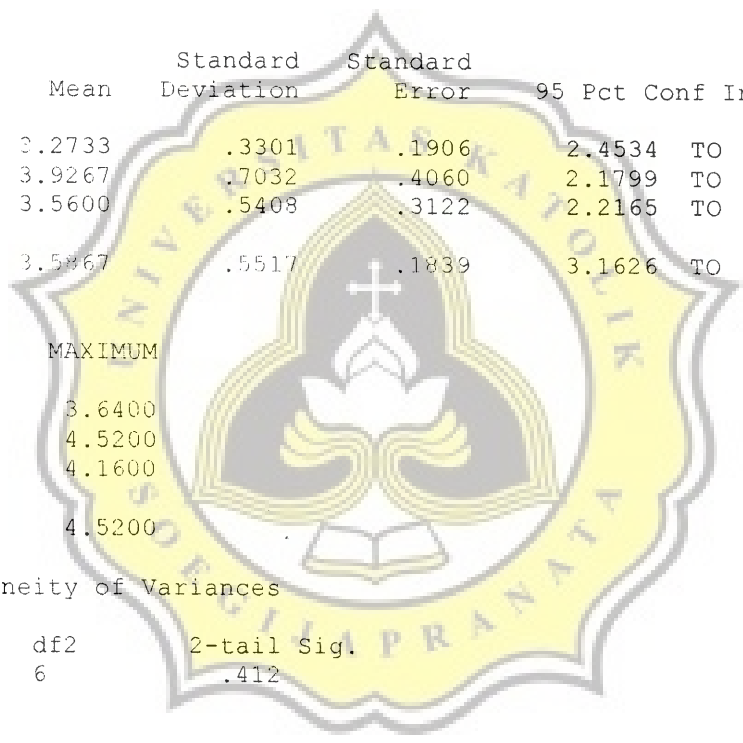
Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	.6435	.3217	1.0774	.3983
Within Groups	6	1.7917	.2986		
Total	8	2.4352			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	3.2733	.3301	.1906	2.4534 TO 4.0932
Grp 2	3	3.9267	.7032	.4060	2.1799 TO 5.6734
Grp 3	3	3.5600	.5408	.3122	2.2165 TO 4.9035
Total	9	3.5867	.5517	.1839	3.1626 TO 4.0108

GROUP	MINIMUM	MAXIMUM
Grp 1	3.0000	3.6400
Grp 2	3.1500	4.5200
Grp 3	3.1100	4.1600
TOTAL	3.0000	4.5200

### Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
1.0309	2	6	.412



----- O N E W A Y -----

Variable SERAT KASAR By Variable PERILAKUAN

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if

$$|\text{MEAN}(J) - \text{MEAN}(I)| \geq .3864 * \text{RANGE} * \text{SQRT}(1/N(I) + 1/N(J))$$

with the following value(s) for RANGE: 3.46

- No two groups are significantly different at the .050 level

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

Subset 1

Group	Grp 1	Grp 3	Grp 2
Mean	3.2733	3.5600	3.9267





**LAMPIRAN 4 : UJI ANOVA DUA ARAH KADAR ABU, KADAR AIR, LEMAK, KARBOHIDRAT, PROTEIN DAN SERAT KASAR PADA TEPUNG GUDE DAN TEPUNG TERIGU.**

**1. Kadar Abu**

\* \* \* ANALYSIS OF VARIANCE \* \* \*

KADAR ABU by PENGERINGAN DAN JENIS TEPUNG

UNIQUE sums of squares  
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	4.271	2	2.135	21.677	.001
KERING	.364	1	.364	3.699	.091
TEPUNG	3.907	1	3.907	39.655	.000
2-Way Interactions	.364	1	.364	3.699	.091
KERING TEPUNG	.364	1	.364	3.699	.091
Explained	4.635	3	1.545	15.685	.001
Residual	.788	8	.099		
Total	5.423	11	.493		

12 cases were processed.  
0 cases (.0 pct) were missing.

**2. Kadar Air**

\* \* \* ANALYSIS OF VARIANCE \* \* \*

KADAR AIR by PENGERINGAN DAN JENIS TEPUNG

UNIQUE sums of squares  
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	12.442	2	6.221	41.178	.000
KERING	.460	1	.460	3.046	.119
TEPUNG	11.982	1	11.982	79.311	.000
2-Way Interactions	.460	1	.460	3.046	.119
KERING TEPUNG	.460	1	.460	3.046	.119
Explained	12.902	3	4.301	28.468	.000
Residual	1.209	8	.151		
Total	14.111	11	1.283		

12 cases were processed.  
0 cases (.0 pct) were missing.

### 3. Karbohidrat

\*\*\* ANALYSIS OF VARIANCE \*\*\*

KARBOHIDRAT by PENGERINGAN DAN JENIS TEPUNG

UNIQUE sums of squares

All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	297.008	2	148.504	164.058	.000
KERING	.001	1	.001	.001	.981
TEPUNG	297.008	1	297.008	328.116	.000
2-Way Interactions	.001	1	.001	.001	.981
KERING TEPUNG	.001	1	.001	.001	.981
Explained	297.009	3	99.003	109.372	.000
Residual	7.242	8	.905		
Total	304.250	11	27.659		

12 cases were processed.  
0 cases (.0 pct) were missing.

### 3. Lemak

\*\*\* ANALYSIS OF VARIANCE \*\*\*

LEMAK by PENGERINGAN DAN JENIS TEPUNG

UNIQUE sums of squares

All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	6.008	2	3.004	101.753	.000
KERING	.621	1	.621	21.030	.002
TEPUNG	5.387	1	5.387	182.475	.000
2-Way Interactions	.621	1	.621	21.030	.002
KERING TEPUNG	.621	1	.621	21.030	.002
Explained	6.629	3	2.210	74.845	.000
Residual	.236	8	.030		
Total	6.865	11	.624		

12 cases were processed.  
0 cases (.0 pct) were missing.

## 5. Protein

\*\*\* ANALYSIS OF VARIANCE \*\*\*

PROTEIN by PENGERINGAN DAN JENIS TEPUNG

UNIQUE sums of squares  
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	187.832	2	93.916	123.304	.000
KERING	4.788	1	4.788	6.286	.037
TEPUNG	183.044	1	183.044	240.322	.000
2-Way Interactions	4.788	1	4.788	6.286	.037
KERING TEPUNG	4.788	1	4.788	6.286	.037
Explained	192.620	3	64.207	84.298	.000
Residual	6.093	8	.762		
Total	198.714	11	18.065		

12 cases were processed.  
0 cases (.0 pct) were missing.

## 6. Serat Kasar

\*\*\* ANALYSIS OF VARIANCE \*\*\*

SERAT KASAR by PENGERINGAN DAN JENIS TEPUNG

UNIQUE sums of squares  
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	.760	2	.380	1.512	.277
KERING	.101	1	.101	.401	.544
TEPUNG	.659	1	.659	2.622	.144
2-Way Interactions	.101	1	.101	.401	.544
KERING TEPUNG	.101	1	.101	.401	.544
Explained	.861	3	.287	1.141	.389
Residual	2.012	8	.251		
Total	2.873	11	.261		

12 cases were processed.  
0 cases (.0 pct) were missing.

**UJI T-Test TERHADAP KADAR ABU, KADAR AIR, KARBOHIDRAT, LEMAK DAN PROTEIN PADA BERBAGAI JENIS TEPUNG**

**1. Kadar abu**

**Group Statistics**

	TEPUNG	N	Mean	Std. Deviation	Std. Error Mean
KAD_ABU	1.00	6	.5767	2.25E-02	9.2E-03
	2.00	6	1.7178	.5504	.2247

**Independent Samples Test**

	Levene's Test for Equality of Variances	t-test for Equality of Means								
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Mean	
									Lower	Upper
KAD_ABL	Equal variances assumed	9.69	.011	5.075	10	.000	-1.1411	.2249	-1.642	-.6401
	Equal variances not assumed			5.075	5.017	.004	-1.1411	.2249	-1.719	-.5637

**2. Kadar air**

**T-Test**

**Group Statistics**

	TEPUNG	N	Mean	Std. Deviation	Std. Error Mean
KAD_AIR	1.00	6	12.8201	1.20E-02	4.9E-03
	2.00	6	10.8217	.6524	.2664

### Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Mean	
								Lower	Upper
KAD_AIR Equal variances assumed	24.784	.001	7.502	10	.000	1.9985	.2664	1.4049	2.5920
Equal variances not assumed			7.502	5.00	.001	1.9985	.2664	1.3138	2.6831

### 3. Karbohidrat

#### T-Test

#### Group Statistics

	TEPUNG	N	Mean	Std. Deviation	Std. Error Mean
KARBOHID	1.00	6	70.5400	.2063	8.4E-02
	2.00	6	60.5900	1.1857	.4841



### Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Mean	
									Lower	Upper
KARBOHID	Equal variances assumed	6.20	.032	20.25	10	.000	9.9500	.4913	8.855	11.045
	Equal variances not assumed			20.25	5.30	.000	9.9500	.4913	8.708	11.192

### 4. Lemak T-Test

#### Group Statistics

TEPUNG		N	Mean	Std. Deviation	Std. Error Mean
LEMAK	1.00	6	2.1800	.1937	7.9E-02
	2.00	6	3.5201	.5080	.2074

### Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Mean	
									Lower	Upper
LEMAK	Equal variances assumed	28.7	.000	-6.04	10	.000	-1.3401	.2220	-1.8346	-.8455
	Equal variances not assumed			-6.04	6.42	.001	-1.3401	.2220	-1.8746	-.8055

**T-Test**

**Group Statistics**

	KERING	N	Mean	Std. Deviation	Std. Error Mean
LEMAK	1.00	6	3.0775	.9943	.4059
	2.00	6	2.6226	.5102	.2083

**Independent Samples Test**

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Mean	
									Lower	Upper
LEMAK	Equal variances assumed	26.29	.000	.997	10	.342	.4549	.4562	-.5616	1.471
	Equal variances not assumed			.997	7.46	.350	.4549	.4562	-.6105	1.520

**5. Protein**

**T-Test**

**Group Statistics**

	KERING	N	Mean	Std. Deviation	Std. Error Mean
PROTEIN	1.00	6	14.2394	3.7077	1.5136
	2.00	6	15.5027	5.0038	2.0428



### Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Mean	
									Lower	Upper
PROTEIN	Equal variances assumed	7.86	.019	-.497	10	.630	-1.2633	2.5425	-6.928	4.402
	Equal variances not assumed			-.497	9.22	.631	-1.2633	2.5425	-6.994	4.467

### T-Test

#### Group Statistics

	TEPUNG	N	Mean	Std. Deviation	Std. Error Mean
PROTEIN	1.00	6	10.9655	.7189	.2935
	2.00	6	18.7767	1.6177	.6604

### Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Mean	
									Lower	Upper
PROTEIN	Equal variances assumed	3.49	.091	-10.81	10	.000	-7.8112	.7227	-9.421	-6.201
	Equal variances not assumed			-10.81	6.90	.000	-7.8112	.7227	-9.525	-6.097

## LAMPIRAN 5 UJI NORMALITAS KADAR ABU, KADAR AIR, LEMAK, PROTEIN, SERAT KASAR MIE.

### 1. Uji Normalitas Kadar Abu.

#### A. KADAR ABU By PENGERINGAN 1

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	.8318	Std Err	.0156	Min	.7400	Skewness	.4310
Median	.8100	Variance	.0037	Max	.9500	S E Skew	.5801
5% Trim	.8303	Std Dev	.0605	Range	.2100	Kurtosis	-.7834
95% CI for Mean	(.7983, .8653)		IQR	.1100	S E Kurt	1.1209	

	Statistic	df	Significance
Shapiro-Wilks	.9514	15	.5227
K-S (Lilliefors)	.1739	15	> .2000

#### B. KADAR ABU By PENGERINGAN 2

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	.8380	Std Err	.0187	Min	.7400	Skewness	.8701
Median	.8200	Variance	.0052	Max	.9900	S E Skew	.5801
5% Trim	.8350	Std Dev	.0723	Range	.2500	Kurtosis	.2906
95% CI for Mean	(.7979, .8781)		IQR	.0800	S E Kurt	1.1209	

	Statistic	df	Significance
Shapiro-Wilks	.9272	15	.3139
K-S (Lilliefors)	.1316	15	> .2000

### 2. Uji Normalitas Kadar Air

#### A. KADAR AIR By PENGERINGAN 1

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	47.2760	Std Err	.3117	Min	44.9000	Skewness	-.3583
Median	47.4400	Variance	1.4577	Max	49.2800	S E Skew	.5801
5% Trim	47.2967	Std Dev	1.2073	Range	4.3800	Kurtosis	-.2714
95% CI for Mean	(46.6074, 47.9446)		IQR	1.4900	S E Kurt	1.1209	

	Statistic	df	Significance
Shapiro-Wilks	.9796	15	.9457
K-S (Lilliefors)	.0627	15	> .2000

## B. KADAR AIR By PENGERINGAN 2

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	46.9727	Std Err	.3087	Min	44.9000	Skewness	-.0335
Median	47.0100	Variance	1.4295	Max	49.2000	S E Skew	.5801
5% Trim	46.9641	Std Dev	1.1956	Range	4.3000	Kurtosis	-.3901
95% CI for Mean	(46.3106, 47.6348)			IQR	1.6300	S E Kurt	1.1209

	Statistic	df	Significance
Shapiro-Wilks	.9845	15	.9817
K-S (Lilliefors)	.0884	15	> .2000

## 3. Uji Normalitas Karbohidrat

### A. KARBOHIDRAT By PENGERINGAN 1

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	30.4040	Std Err	.9974	Min	23.7700	Skewness	-.0938
Median	30.6200	Variance	14.9236	Max	37.4500	S E Skew	.5801
5% Trim	30.3811	Std Dev	3.8631	Range	13.6800	Kurtosis	-.7465
95% CI for Mean	(28.2647, 32.5433)			IQR	6.4000	S E Kurt	1.1209

	Statistic	df	Significance
Shapiro-Wilks	.9696	15	.8130
K-S (Lilliefors)	.1073	15	> .2000

### B. KARBOHIDRAT By PENGERINGAN 2

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	31.1447	Std Err	.8151	Min	25.6900	Skewness	.0767
Median	31.6300	Variance	9.9662	Max	37.4500	S E Skew	.5801
5% Trim	31.0974	Std Dev	3.1569	Range	11.7600	Kurtosis	-.2092
95% CI for Mean	(29.3964, 32.8929)			IQR	5.3500	S E Kurt	1.1209

	Statistic	df	Significance
Shapiro-Wilks	.9815	15	.9616
K-S (Lilliefors)	.1047	15	> .2000

## 4. Uji Normalitas Lemak

### A. LEMAK By PENGERINGAN 1

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	6.3469	Std Err	.2652	Min	5.0800	Skewness	.1416
Median	6.1400	Variance	1.0547	Max	7.8900	S E Skew	.5801
5% Trim	6.3316	Std Dev	1.0270	Range	2.8100	Kurtosis	-1.6253
95% CI for Mean	(5.7782, 6.9157)			IQR	1.8800	S E Kurt	1.1209

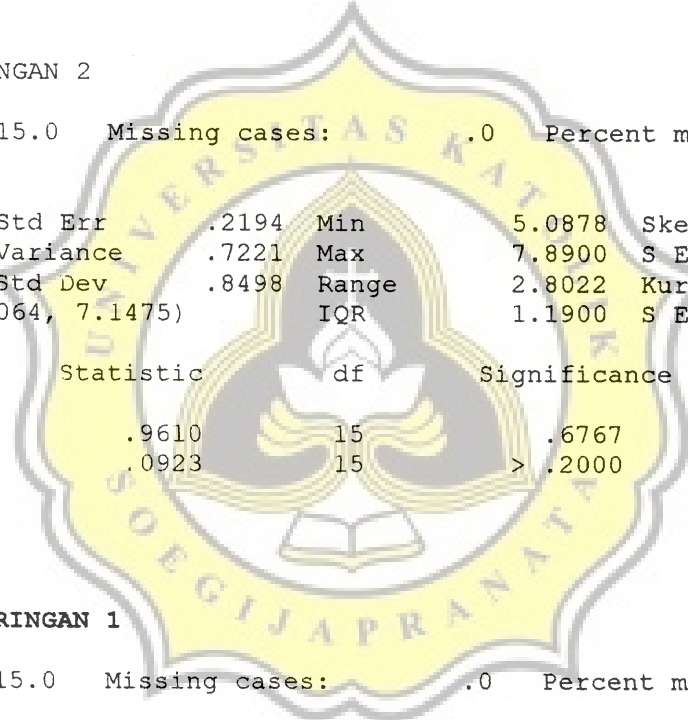
	Statistic	df	Significance
Shapiro-Wilks	.9021	15	.1091
K-S (Lilliefors)	.1724	15	> .2000

### B. LEMAK By PENGERINGAN 2

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	6.6769	Std Err	.2194	Min	5.0878	Skewness	-.1983
Median	6.7400	Variance	.7221	Max	7.8900	S E Skew	.5801
5% Trim	6.6978	Std Dev	.8498	Range	2.8022	Kurtosis	-.8099
95% CI for Mean	(6.2064, 7.1475)			IQR	1.1900	S E Kurt	1.1209

	Statistic	df	Significance
Shapiro-Wilks	.9610	15	.6767
K-S (Lilliefors)	.0923	15	> .2000



## 5. Uji Normalitas Protein

### A. PROTEIN By PENGERINGAN 1

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	13.6372	Std Err	.6511	Min	10.0605	Skewness	.4458
Median	13.0900	Variance	6.3595	Max	18.2000	S E Skew	.5801
5% Trim	13.5824	Std Dev	2.5218	Range	8.1395	Kurtosis	-.7597
95% CI for Mean	(12.2407, 15.0337)			IQR	3.9900	S E Kurt	1.1209

	Statistic	df	Significance
Shapiro-Wilks	.9562	15	.5991
K-S (Lilliefors)	.1192	15	> .2000

## B. PROTEIN By PENDINGERANGAN 2

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	12.9970	Std Err	.4659	Min	10.0605	Skewness	-.0150
Median	12.9300	Variance	3.2554	Max	15.8000	S E Skew	.5801
5% Trim	13.0044	Std Dev	1.8043	Range	5.7395	Kurtosis	-1.0734
95% CI for Mean	(11.9978, 13.9961)			IQR	3.5116	S E Kurt	1.1209

	Statistic	df	Significance
Shapiro-Wilks	.9612	15	.6786
K-S (Lilliefors)	.1099	15	> .2000

## 6. Uji Normalitas Serat Kasar

### A. SERAT KASAR By PENDINGERANGAN 1

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	1.5025	Std Err	.1005	Min	1.0582	Skewness	.5766
Median	1.4900	Variance	.1515	Max	2.1500	S E Skew	.5801
5% Trim	1.4913	Std Dev	.3892	Range	1.0918	Kurtosis	-1.1259
95% CI for Mean	(1.2870, 1.7181)			IQR	.7500	S E Kurt	1.1209

	Statistic	df	Significance
Shapiro-Wilks	.8862	15	.0630
K-S (Lilliefors)	.1829	15	.1892

### B. SERAT KASAR By PENDINGERANGAN 2

Valid cases: 15.0 Missing cases: .0 Percent missing: .0

Mean	1.3686	Std Err	.0542	Min	1.0000	Skewness	.2184
Median	1.3300	Variance	.0441	Max	1.8016	S E Skew	.5801
5% Trim	1.3651	Std Dev	.2101	Range	.8016	Kurtosis	-.0977
95% CI for Mean	(1.2523, 1.4850)			IQR	.2552	S E Kurt	1.1209

	Statistic	df	Significance
Shapiro-Wilks	.9806	15	.9545
K-S (Lilliefors)	.1063	15	> .2000

**LAMPIRAN 6 : UJI ANOVA SATU ARAH KADAR ABU, KADAR AIR, KARBOHIDRAT, PROTEIN, LEMAK DAN SERAT KASAR PADA MIE.**

**1. Kadar Abu**

----- O N E W A Y -----

Variable KADAR ABU By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	8	.0646	.0081	3.3690	.0154
Within Groups	18	.0431	.0024		
Total	26	.1077			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	.7667	.0252	.0145	.7041 TO .8292
Grp 2	3	.8167	.0473	.0273	.6993 TO .9341
Grp 3	3	.8100	.0300	.0173	.7355 TO .8845
Grp 4	3	.8500	.0458	.0265	.7362 TO .9638
Grp 5	3	.9167	.0306	.0176	.8408 TO .9926
Grp 6	3	.8100	.0265	.0153	.7443 TO .8757
Grp 7	3	.8300	.0608	.0351	.6789 TO .9811
Grp 8	3	.8567	.0416	.0240	.7532 TO .9601
Grp 9	3	.9267	.0929	.0536	.6958 TO 1.1575
Total	27	.8426	.0644	.0124	.8171 TO .8681

GROUP	MINIMUM	MAXIMUM
Grp 1	.7400	.7900
Grp 2	.7800	.8700
Grp 3	.7800	.8400
Grp 4	.8000	.8900
Grp 5	.8900	.9500
Grp 6	.7900	.8400
Grp 7	.7600	.8700
Grp 8	.8100	.8900
Grp 9	.8200	.9900
TOTAL	.7400	.9900

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
2.3991	8	18	.059

- - - - - O N E W A Y - - - - -

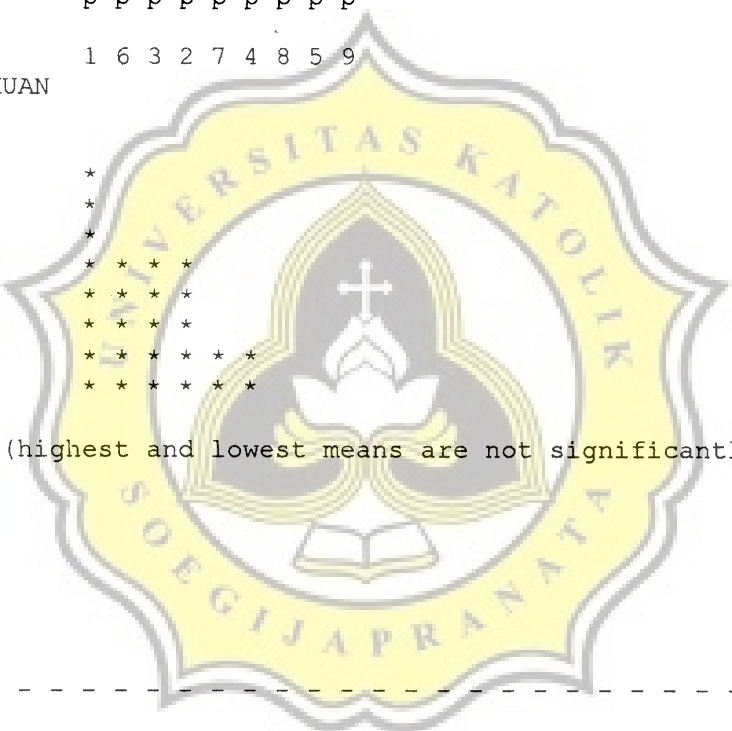
Variable KADAR ABU By Variable PERLAKUAN

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .0346 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 2.97

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

		G G G G G G G G G
		r r r r r r r r r
		p p p p p p p p p
		1 6 3 2 7 4 8 5 9
Mean	PERLAKUAN	
.7667	Grp 1	
.8100	Grp 6	*
.8100	Grp 3	*
.8167	Grp 2	*
.8300	Grp 7	* * * *
.8500	Grp 4	* * * *
.8567	Grp 8	* * * *
.9167	Grp 5	* * * * * *
.9267	Grp 9	* * * * * *



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

Subset 1

Group	Grp 1
Mean	.7667

Subset 2

Group	Grp 6	Grp 3	Grp 2
Mean	.8100	.8100	.8167

Subset 3

Group	Grp 7	Grp 4	Grp 8
Mean	.8300	.8500	.8567

Subset 4

Group	Grp 8	Grp 5	Grp 9
Mean	.8567	.9167	.9267

## 2. Kadar Air

----- O N E W A Y -----

Variable KADAR AIR By Variable PERLAKUAN

### Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	8	24.3659	3.0457	5.5528	.0012
Within Groups	18	9.8731	.5485		
Total	26	34.2390			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int	for Mean
Grp 1	3	45.8767	.9173	.5296	43.5980	TO 48.1554
Grp 2	3	46.4467	.8394	.4846	44.3615	TO 48.5318
Grp 3	3	47.3333	.4620	.2667	46.1857	TO 48.4810
Grp 4	3	47.9233	.4210	.2431	46.8775	TO 48.9691
Grp 5	3	48.8000	.4253	.2456	47.7434	TO 49.8566
Grp 6	3	46.2667	.8903	.5140	44.0550	TC 48.4783
Grp 7	3	46.6200	.9395	.5424	44.2861	TO 48.9539
Grp 8	3	47.8433	.3963	.2288	46.8589	TO 48.8277
Grp 9	3	48.2567	.9933	.5735	45.7892	TO 50.7242
Total	27	47.2630	1.1476	.2208	46.8090	TO 47.7169

GROUP	MINIMUM	MAXIMUM
Grp 1	44.9000	46.7200
Grp 2	45.5000	47.1000
Grp 3	46.8000	47.6100
Grp 4	47.4400	48.2100
Grp 5	48.4700	49.2800
Grp 6	45.2800	47.0100
Grp 7	45.6000	47.4500
Grp 8	47.5900	48.3000
Grp 9	47.2200	49.2000
TOTAL	44.9000	49.2800

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
.8572	8	18	.568



- - - - - O N E W A Y - - - - -

Variable KADAR AIR By Variable PERLAKUAN

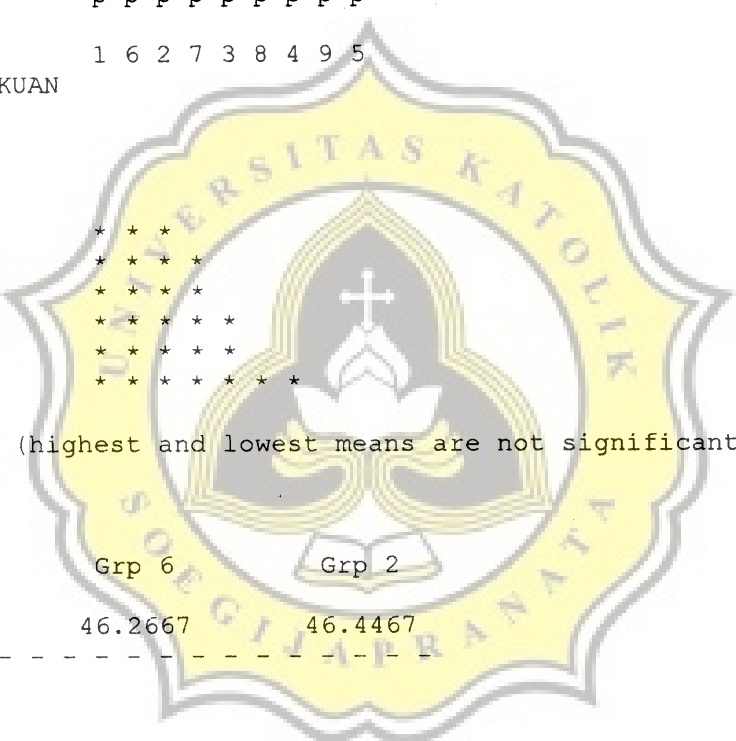
Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .5237 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 2.97

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

G G G G G G G G G  
 r r r r r r r r r  
 p p p p p p p p p  
 1 6 2 7 3 8 4 9 5

Mean	PERLAKUAN
45.8767	Grp 1
46.2667	Grp 6
46.4467	Grp 2
46.6200	Grp 7
47.3333	Grp 3
47.8433	Grp 8
47.9233	Grp 4
48.2567	Grp 9
48.8000	Grp 5



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

Subset 1

Group	Grp 1	Grp 6	Grp 2
Mean	45.8767	46.2667	46.4467

Subset 2

Group	Grp 7
Mean	46.6200

Subset 3

Group	Grp 3	Grp 8
Mean	47.3333	47.8433

Subset 4

Group	Grp 8	Grp 4	Grp 9
Mean	47.8433	47.9233	48.2567

Subset 5

Group	Grp 9	Grp 5
Mean	48.2567	48.8000

### 3. Karbohidrat

----- O N E W A Y -----

Variable KARBOHIDRAT By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	8	257.3558	32.1695	24.3805	.0000
Within Groups	18	23.7505	1.3195		
Total	26	281.1063			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int	for Mean
Grp 1	3	35.1367	2.0040	1.1570	30.1583	TO 40.1150
Grp 2	3	32.9233	.7697	.4444	31.0113	TO 34.8354
Grp 3	3	31.0933	.9527	.5500	28.7267	TO 33.4600
Grp 4	3	27.8400	.7662	.4424	25.9366	TO 29.7434
Grp 5	3	25.0267	1.1387	.6574	22.1980	TO 27.8554
Grp 6	3	33.0933	.9829	.5675	30.6517	TO 35.5349
Grp 7	3	31.2967	.6749	.3896	29.6202	TO 32.9731
Grp 8	3	29.2233	.9420	.5439	26.8832	TO 31.5635
Grp 9	3	26.9733	1.4719	.8498	23.3169	TO 30.6297
Total	27	30.2896	3.2881	.6328	28.9889	TO 31.5904

GROUP	MINIMUM	MAXIMUM
Grp 1	33.9300	37.4500
Grp 2	32.0400	33.4500
Grp 3	30.4700	32.1900
Grp 4	27.0500	28.5800
Grp 5	23.7700	25.9900
Grp 6	32.1900	34.1400
Grp 7	30.5200	31.7400
Grp 8	28.3800	30.2400
Grp 9	25.6900	28.5800
TOTAL	23.7700	37.4500

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
1.4614	8	18	.239

----- O N E W A Y -----

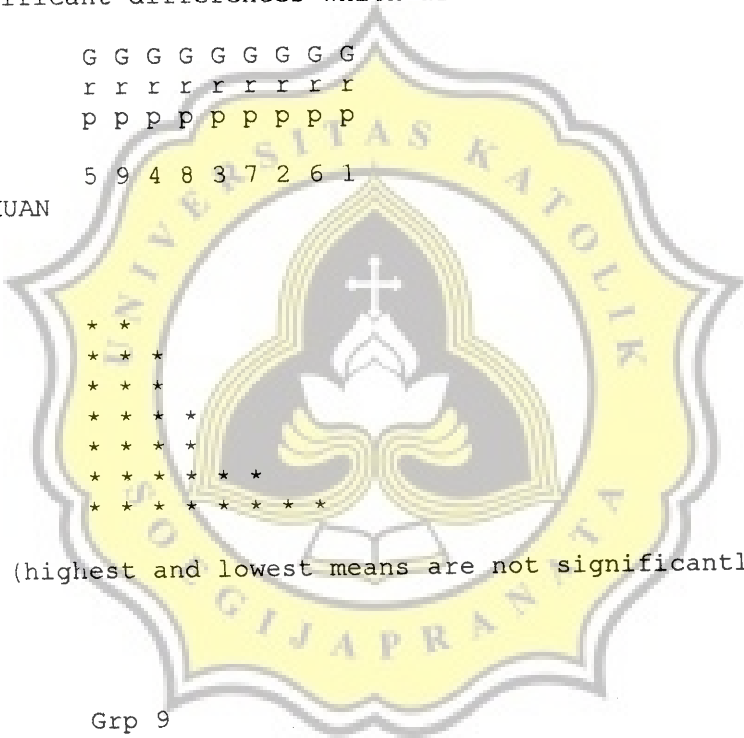
Variable KARBOHIDRAT By Variable PERLAKUAN

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .8122 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 2.97

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

Mean	PERLAKUAN	
25.0267	Grp 5	G G G G G G G G
26.9733	Grp 9	r r r r r r r r
27.8400	Grp 4	p p p p p p p p
29.2233	Grp 8	5 9 4 8 3 7 2 6 1
31.0933	Grp 3	
31.2967	Grp 7	
32.9233	Grp 2	
33.0933	Grp 6	
35.1367	Grp 1	



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

Subset 1

Group	Grp 5	Grp 9
Mean	25.0267	26.9733

Subset 2

Group	Grp 4
Mean	27.8400

Subset 3

Group	Grp 8	Grp 3
Mean	29.2233	31.0933

Subset 4

Group	Grp 3	Grp 7	Grp 2
Mean	31.0933	31.2967	32.9233

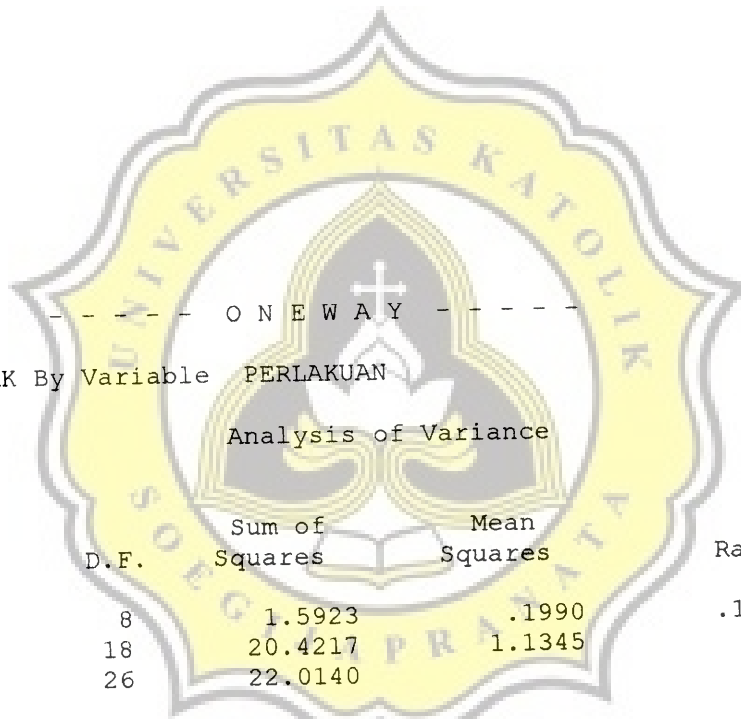
Subset 5

Group	Grp 2	Grp 6
Mean	32.9233	33.0933

Subset 7

Group	Grp 1
Mean	35.1367

#### 4. Lemak



Variable LEMAK By Variable PERLAKUAN

ONEWAY

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	8	1.5923	.1990	.1754	.9916
Within Groups	18	20.4217	1.1345		
Total	26	22.0140			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean		
Grp 1	3	6.3214	1.3336	.7699	3.0086	TO	9.6342
Grp 2	3	6.3233	1.3574	.7837	2.9514	TO	9.6952
Grp 3	3	6.3200	1.0817	.6245	3.6328	TO	9.0072
Grp 4	3	6.4867	1.0398	.6003	3.9036	TO	9.0698
Grp 5	3	6.2833	1.2134	.7006	3.2690	TO	9.2977
Grp 6	3	6.6000	1.1181	.6455	3.8225	TO	9.3775
Grp 7	3	6.8200	.4957	.2862	5.5886	TO	8.0514
Grp 8	3	6.6233	.9215	.5321	4.3341	TO	8.9126
Grp 9	3	7.0200	.7219	.4168	5.2266	TO	8.8134
Total	27	6.5331	.9202	.1771	6.1691	TO	6.8971

GROUP	MINIMUM	MAXIMUM
Grp 1	5.0878	7.7364
Grp 2	5.5000	7.8900
Grp 3	5.0800	7.0700
Grp 4	5.2900	7.1700
Grp 5	5.2100	7.6000
Grp 6	5.9100	7.8900
Grp 7	6.2500	7.1500
Grp 8	5.5600	7.1900
Grp 9	6.4800	7.8400
TOTAL	5.0800	7.8900

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
.7161	8	18	.675

--- -- ONEWAY --- --

Variable LEMAK By Variable PERLAKUAN

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .7532 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 2.97

- No two groups are significantly different at the .050 level

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

Subset 1

Group	Grp 5	Grp 3	Grp 1	Grp 2	Grp 4
Mean	6.2833	6.3200	6.3214	6.3233	6.4867
Group	Grp 6	Grp 8	Grp 7	Grp 9	
Mean	6.6000	6.6233	6.8200	7.0200	

---

## 5. Protein

- - - - - O N E W A Y - - - - -

Variable PROTEIN By Variable PERLAKUAN

### Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	8	106.5672	13.3209	42.2245	.0000
Within Groups	18	5.6786	.3155		
Total	26	112.2458			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int	for Mean
Grp 1	3	10.5933	.5619	.3244	9.1975 TO	11.9892
Grp 2	3	12.0333	.6466	.3733	10.4270 TO	13.6397
Grp 3	3	13.1967	.3331	.1923	12.3693 TO	14.0241
Grp 4	3	14.8500	.5769	.3331	13.4169 TO	16.2831
Grp 5	3	17.5167	.7060	.4076	15.7629 TO	19.2705
Grp 6	3	11.8733	.6466	.3733	10.2670 TO	13.4797
Grp 7	3	12.9333	.1550	.0895	12.5482 TO	13.3184
Grp 8	3	14.2100	.6974	.4027	12.4775 TO	15.9425
Grp 9	3	15.3800	.4845	.2797	14.1765 TO	16.5835
Total	27	13.6207	2.0778	.3999	12.7988 TO	14.4427

GROUP	MINIMUM	MAXIMUM
Grp 1	10.0600	11.1800
Grp 2	11.3400	12.6200
Grp 3	12.9300	13.5700
Grp 4	14.2100	15.3300
Grp 5	16.7900	18.2000
Grp 6	11.1800	12.4600
Grp 7	12.7800	13.0900
Grp 8	13.4100	14.6900
Grp 9	14.8500	15.8000
TOTAL	10.0600	18.2000

### Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
.7822	8	18	.624

- - - - - O N E W A Y - - - - -

Variable PROTEIN By Variable PERLAKUAN

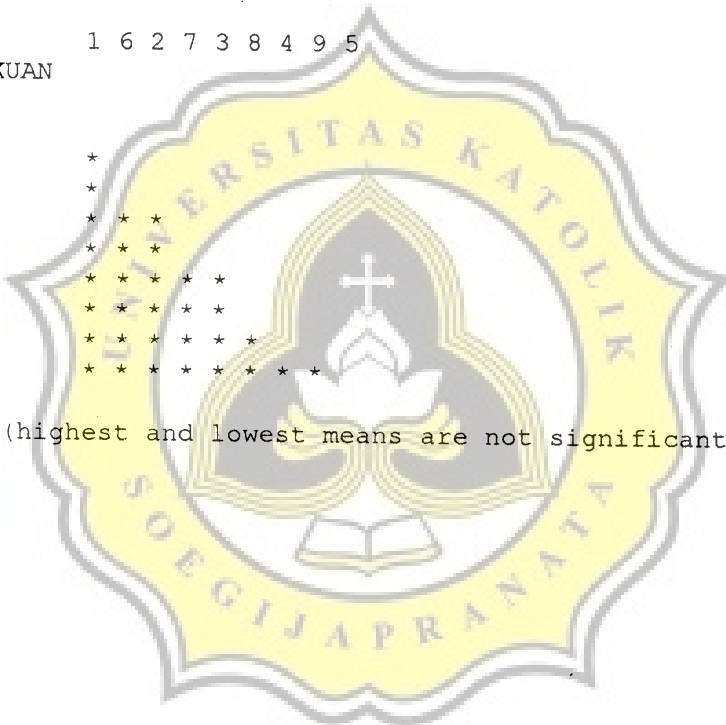
Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .3972 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 2.97

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

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

Mean	PERLAKUAN
10.5933	Grp 1
11.8733	Grp 6
12.0333	Grp 2
12.9333	Grp 7
13.1967	Grp 3
14.2100	Grp 8
14.8500	Grp 4
15.3800	Grp 9
17.5167	Grp 5



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

Subset 1

Group	Grp 1
Mean	10.5933

Subset 2

Group	Grp 6	Grp 2
Mean	11.8733	12.0333

Subset 3

Group	Grp 7	Grp 3
Mean	12.9333	13.1967

Subset 4

Group	Grp 8	Grp 4
Mean	14.2100	14.8500

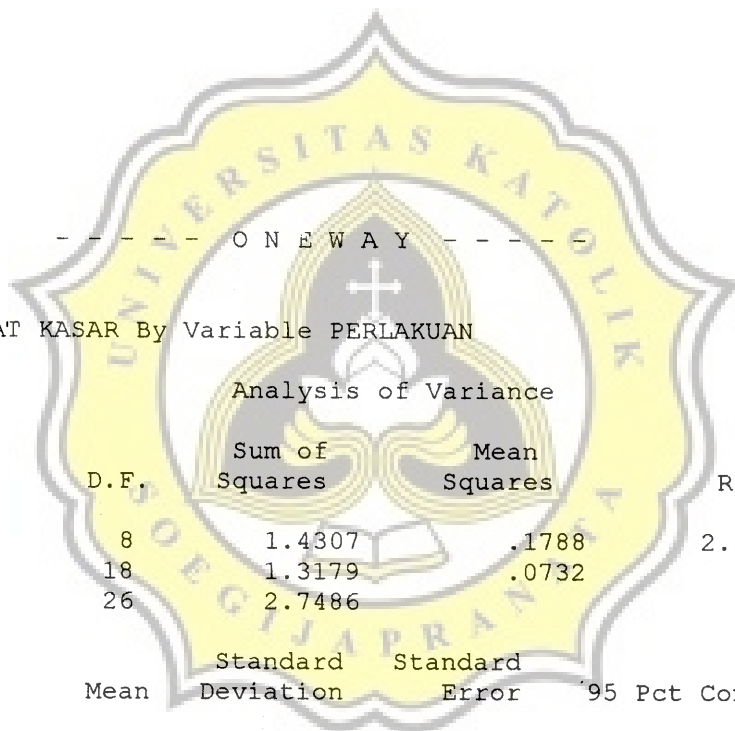
Subset 5

Group	Grp 4	Grp 9
Mean	14.8500	15.3800

Subset 6

Group	Grp 5
Mean	17.5167

## 6. Serat Kasar



--- O N E W A Y ---

Variable SERAT KASAR By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	8	1.4307	.1788	2.4427	.0551
Within Groups	18	1.3179	.0732		
Total	26	2.7486			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int	for Mean
Grp 1	3	1.3033	.1762	.1017	.8657	TO 1.7410
Grp 2	3	1.4567	.5237	.3023	.1558	TO 2.7576
Grp 3	3	1.2467	.2894	.1671	.5278	TO 1.9655
Grp 4	3	2.0500	.1400	.0808	1.7022	TO 2.3978
Grp 5	3	1.4567	.1930	.1114	.9773	TO 1.9360
Grp 6	3	1.3567	.0643	.0371	1.1970	TO 1.5164
Grp 7	3	1.5000	.3404	.1966	.6543	TO 2.3457
Grp 8	3	1.2433	.2450	.1415	.6347	TO 1.8520
Grp 9	3	1.4433	.1818	.1049	.9918	TO 1.8948
Total	27	1.4507	.3251	.0626	1.3221	TO 1.5794



GROUP	MINIMUM	MAXIMUM
Grp 1	1.1400	1.4900
Grp 2	1.1200	2.0600
Grp 3	1.0600	1.5800
Grp 4	1.8900	2.1500
Grp 5	1.2400	1.6100
Grp 6	1.3100	1.4300
Grp 7	1.1300	1.8000
Grp 8	1.0000	1.4900
Grp 9	1.2400	1.5900
TOTAL	1.0000	2.1500

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
2.6557	8	18	.041

--- ONEWAY ---

Variable SERAT KASAR By Variable PERLAKUAN

Multiple Range Tests: LSD test with significance level .05

The difference between two means is significant if  
 $MEAN(J) - MEAN(I) \geq .1913 * RANGE * \sqrt{1/N(I) + 1/N(J)}$   
 with the following value(s) for RANGE: 2.97

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

G G G G G G G G G  
 r r r r r r r r r  
 p p p p p p p p p  
 8 3 1 6 9 2 5 7 4

Mean	PERLAKUAN
1.2433	Grp 8
1.2467	Grp 3
1.3033	Grp 1
1.3567	Grp 6
1.4433	Grp 9
1.4567	Grp 2
1.4567	Grp 5
1.5000	Grp 7
2.0500	Grp 4

\* \* \* \* \*

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

Subset 1

Group	Grp 8	Grp 3	Grp 1	Grp 6	Grp 9
Mean	1.2433	1.2467	1.3033	1.3567	1.4433
Group	Grp 2	Grp 5	Grp 7		
Mean	1.4567	1.4567	1.5000		

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Subset 2

Group	Grp 4
Mean	2.0500

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**LAMPIRAN 7 : UJI ANOVA DUA ARAH KADAR ABU, KADAR AIR, SERAT KASAR,  
LEMAK, PROTEIN DAN KARBOHIDRAT.**

**1. Kadar Abu**

\* \* \* A N A L Y S I S O F V A R I A N C E \* \* \*

KADAR ABU  
by PENDINGERANGAN DAN KONSENTRASI  
UNIQUE sums of squares  
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	.080	5	.016	7.162	.001
KERING	.000	1	.000	.130	.722
KONS	.079	4	.020	8.919	.000
2-Way Interactions	.001	4	.000	.065	.992
KERING KONS	.001	4	.000	.065	.992
Explained	.080	9	.009	4.007	.005
Residual	.045	20	.002		
Total	.125	29	.004		

61 cases were processed.  
31 cases (50.8 pct) were missing.

**2. Kadar Air**

\* \* \* A N A L Y S I S O F V A R I A N C E \* \* \*

KADAR AIR  
by PENDINGERANGAN DAN KONSENTRASI  
UNIQUE sums of squares  
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	28.981	5	5.796	10.031	.000
KERING	.690	1	.690	1.194	.287
KONS	28.291	4	7.073	12.241	.000
2-Way Interactions	.574	4	.144	.248	.907
KERING KONS	.574	4	.144	.248	.907
Explained	29.555	9	3.284	5.683	.001
Residual	11.556	20	.578		
Total	41.111	29	1.418		

61 cases were processed.  
31 cases (50.8 pct) were missing.

### 3. Karbohidrat

\*\*\* ANALYSIS OF VARIANCE \*\*\*

KARBOHIDRAT  
by PENDINGERAN DAN KONSENTRASI

UNIQUE sums of squares  
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	316.243	5	63.249	39.801	.000
KERING	4.114	1	4.114	2.589	.123
PONS	312.129	4	78.032	49.103	.000
2-Way Interactions	4.546	4	1.136	.715	.591
KERING KONS	4.546	4	1.136	.715	.591
Explained	320.789	9	35.643	22.429	.000
Residual	31.783	20	1.589		
Total	352.572	29	12.158		

61 cases were processed.  
31 cases (50.8 pct) were missing.

### 4. Lemak

\*\*\* ANALYSIS OF VARIANCE \*\*\*

LEMAK  
by PENDINGERAN DAN KONSENTRASI

UNIQUE sums of squares  
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	1.198	5	.240	.200	.959
KERING	.817	1	.817	.681	.419
KONS	.381	4	.095	.080	.988
2-Way Interactions	.515	4	.129	.107	.979
KERING KONS	.515	4	.129	.107	.979
Explained	1.713	9	.190	.159	.996
Residual	23.979	20	1.199		
Total	25.692	29	.886		

61 cases were processed.  
31 cases (50.8 pct) were missing.

### 3. Karbohidrat

\*\*\* ANALYSIS OF VARIANCE \*\*\*

KARBOHIDRAT  
by PENDINGERAN DAN KONSENTRASI

UNIQUE sums of squares  
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	316.243	5	63.249	39.801	.000
KERING	4.114	1	4.114	2.589	.123
KONS	312.129	4	78.032	49.103	.000
2-Way Interactions	4.546	4	1.136	.715	.591
KERING KONS	4.546	4	1.136	.715	.591
Explained	320.789	9	35.643	22.429	.000
Residual	31.783	20	1.589		
Total	352.572	29	12.158		

61 cases were processed.  
31 cases (50.8 pct) were missing.

### 4. Lemak

\*\*\* ANALYSIS OF VARIANCE \*\*\*

LEMAK  
by PENDINGERAN DAN KONSENTRASI

UNIQUE sums of squares  
All effects entered simultaneously

Source of Variation	Sum of Squares	DF	Mean Square	F	Sig of F
Main Effects	1.198	5	.240	.200	.959
KERING	.817	1	.817	.681	.419
KONS	.381	4	.095	.080	.988
2-Way Interactions	.515	4	.129	.107	.979
KERING KONS	.515	4	.129	.107	.979
Explained	1.713	9	.190	.159	.996
Residual	23.979	20	1.199		
Total	25.692	29	.886		

61 cases were processed.  
31 cases (50.8 pct) were missing.

**LAMPIRAN 8.: TABEL PROSENTASE JUMLAH PANELIS PADA UJI ORGANOLEPTIK.**

1. Prosentase Jumlah Panelis Pada Uji Organoleptik Terhadap Warna.

Penilaian (%)	Substitusi Tepung Gude Pada Mie								
	Kontrol	5% (D)	10% (D)	15% (D)	20% (D)	5% (O)	10% (O)	15% (O)	20% (O)
1	92	60	64	52	32	64	56	20	16
2	8	36	28	40	48	36	36	24	16
3	0	4	8	8	20	0	8	56	68

Keterangan : Kode D = variasi pengeringan dehumidifier, kode O = variasi pengeringan oven.

2. Prosentase Jumlah Panelis Pada Uji Organoleptik Terhadap Tekstur

Penilaian (%)	Substitusi Tepung Gude Pada Mie								
	Kontrol	5% (D)	10% (D)	15% (D)	20% (D)	5% (O)	10% (O)	15% (O)	20% (O)
1	88	72	68	68	64	68	60	60	56
2	8	24	24	28	32	28	32	32	28
3	4	4	8	4	4	4	8	8	16

Keterangan : Kode D = variasi pengeringan dehumidifier, kode O = variasi pengeringan oven.

3. Prosentase Jumlah Panelis Pada Uji Organoleptik Terhadap Rasa

Penilaian (%)	Substitusi Tepung Gude Pada Mie								
	Kontrol	5% (D)	10% (D)	15% (D)	20% (D)	5% (O)	10% (O)	15% (O)	20% (O)
1	68	64	56	56	32	60	48	32	24
2	32	28	40	24	52	32	40	36	44
3	0	8	4	20	16	8	12	32	32

Keterangan : Kode D = variasi pengeringan dehumidifier, kode O = variasi pengeringan oven.

4. Prosentase Jumlah Panelis Pada Uji Organoleptik Terhadap Kenampakan

Penilaian (%)	Substitusi Tepung Gude Pada Mie								
	Kontrol	5% (D)	10% (D)	15% (D)	20% (D)	5% (O)	10% (O)	15% (O)	20% (O)
1	76	72	72	72	64	60	60	60	60
2	20	24	20	24	28	32	28	32	32
3	4	4	8	4	8	8	12	8	8

Keterangan : Kode D = variasi pengeringan dehumidifier, kode O = variasi pengeringan oven.

5. Prosentase Jumlah Panelis Pada Uji Organoleptik Terhadap Kesukaan

Penilaian (%)	Substitusi Tepung Gude Pada Mie								
	Kontrol	5% (D)	10% (D)	15% (D)	20% (D)	5% (O)	10% (O)	15% (O)	20% (O)
1	72	64	68	50	40	60	56	28	16
2	28	36	28	16	28	40	36	32	40
3	0	0	4	24	32	0	8	40	44

Keterangan : Kode D = variasi pengeringan dehumidifier, kode O = variasi pengeringan oven.

