

LAMPIRAN

Lampiran 1. Hasil Analisis Data Fisikokimia *Cookies* tepung pisang dan tepung talas

Ulangan	Kadar Abu	Kadar Air	Kadar N Total	Kadar Gula Reduksi
Kontrol 1	1,78	2,15	6,43	4,782
Kontrol 2	1,80	3,80	5,44	6,421
Kontrol 3	2,00	2,36	4,42	4,632
Kontrol 4	2,12	3,44	4,13	6,536
Kontrol 5	1,91	2,16	5,64	8,352
PT1	1,94	3,24	2,29	7,699
PT1	1,96	2,18	6,79	9,714
PT1	2,03	2,87	3,95	8,935
PT1	2,05	3,12	3,76	7,698
PT1	1,81	2,50	5,09	8,647
PT2	1,97	2,67	3,84	6,894
PT2	2,19	2,90	7,98	8,387
PT2	2,03	3,21	5,04	2,987
PT2	1,77	1,78	3,99	2,719
PT2	1,77	2,42	3,91	5,868
PT3	2,12	1,94	2,79	7,488
PT3	2,19	1,94	4,39	2,042
PT3	2,32	2,17	3,42	4,390
PT3	2,49	1,78	2,49	2,914
PT3	2,37	2,41	2,79	8,492
PT4	2,34	2,35	3,59	4,609
PT4	1,90	1,83	4,86	7,268
PT4	2,44	3,15	4,72	5,721
PT4	1,78	2,22	3,66	7,352
PT4	2,14	2,31	5,87	4,521



Lampiran 2. Analisis data

RAK FAKTORIAL – Kadar Air

Case Processing Summary

	Perlakuan	Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Kadar Air	P0	5	100,0%	0	0,0%	5	100,0%
	P1	5	100,0%	0	0,0%	5	100,0%
	P2	5	100,0%	0	0,0%	5	100,0%
	P3	5	100,0%	0	0,0%	5	100,0%
	P4	5	100,0%	0	0,0%	5	100,0%

Tests of Normality

	Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	Df	Sig.
Kadar Air	P0	,306	5	,143	,812	5	,101
	P1	,179	5	,200*	,943	5	,687
	P2	,173	5	,200*	,970	5	,877
	P3	,270	5	,200*	,933	5	,616
	P4	,318	5	,109	,891	5	,363

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

a. Lilliefors Significance Correction

Ulangan

Case Processing Summary

	Ulangan	Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Kadar Air	K	5	100,0%	0	0,0%	5	100,0%
	PT1	5	100,0%	0	0,0%	5	100,0%
	PT2	5	100,0%	0	0,0%	5	100,0%
	PT3	5	100,0%	0	0,0%	5	100,0%
	PT4	5	100,0%	0	0,0%	5	100,0%

Tests of Normality

	Ulangan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	Df	Sig.
Kadar Air	K	,193	5	,200 [*]	,950	5	,738
	PT1	,265	5	,200 [*]	,876	5	,292
	PT2	,203	5	,200 [*]	,889	5	,354
	PT3	,226	5	,200 [*]	,856	5	,214
	PT4	,249	5	,200 [*]	,935	5	,631

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

a. Lilliefors Significance Correction

Descriptives

Kadar Air	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					K	5		
PT1	5	2,5300	,82316	,36813	1,5079	3,5521	1,83	3,80
PT2	5	2,7520	,46757	,20910	2,1714	3,3326	2,17	3,21
PT3	5	2,4680	,77105	,34482	1,5106	3,4254	1,78	3,44
PT4	5	2,3600	,13058	,05840	2,1979	2,5221	2,16	2,50
Total	25	2,5160	,55846	,11169	2,2855	2,7465	1,78	3,80

Test of Homogeneity of Variances

Kadar Air	Levene Statistic	df1	df2	Sig.
	4,267	4	20	,012

ANOVA

Kadar Air	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,423	4	,106	,300	,875
Within Groups	7,062	20	,353		
Total	7,485	24			

Post Hoc Tests Homogeneous Subsets

Kadar Air

Duncan

Ulangan	N	Subset for alpha =
		0.05
		1
PT4	5	2,3600
PT3	5	2,4680
K	5	2,4700
PT1	5	2,5300
PT2	5	2,7520
Sig.		,360

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.

RAK FAKTORIAL – Kadar Abu

Case Processing Summary

Perlakuan	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
K	5	100,0%	0	0,0%	5	100,0%
PT1	5	100,0%	0	0,0%	5	100,0%
Kadar Abu PT3	5	100,0%	0	0,0%	5	100,0%
PT4	5	100,0%	0	0,0%	5	100,0%
PT5	5	100,0%	0	0,0%	5	100,0%

Tests of Normality

Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	Df	Sig.
K	,366	5	,027	,784	5	,059
PT1	,225	5	,200 [*]	,915	5	,501
Kadar Abu PT3	,236	5	,200 [*]	,905	5	,440
PT4	,169	5	,200 [*]	,975	5	,906
PT5	,152	5	,200 [*]	,988	5	,974

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

a. Lilliefors Significance Correction

Ulangan

Case Processing Summary

Ulangan	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
K	5	100,0%	0	0,0%	5	100,0%
PT1	5	100,0%	0	0,0%	5	100,0%
Kadar Abu PT2	5	100,0%	0	0,0%	5	100,0%
PT3	5	100,0%	0	0,0%	5	100,0%
PT4	5	100,0%	0	0,0%	5	100,0%

Tests of Normality

Ulangan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	Df	Sig.
K	,212	5	,200*	,968	5	,865
PT1	,250	5	,200*	,878	5	,299
Kadar Abu PT2	,345	5	,052	,852	5	,202
PT3	,243	5	,200*	,963	5	,829
PT4	,273	5	,200*	,937	5	,643

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

a. Lilliefors Significance Correction

Descriptives

Kadar Abu	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum							
					Lower Bound	Upper Bound									
					K	5			2,0300	,21119	,09445	1,7678	2,2922	1,78	2,34
					PT1	5			2,0080	,17570	,07857	1,7898	2,2262	1,80	2,19
PT2	5	1,9640	,32067	,14341	1,5658	2,3622	1,44	2,32							
PT3	5	1,8420	,49837	,22288	1,2232	2,4608	1,12	2,49							
PT4	5	1,8000	,43977	,19667	1,2540	2,3460	1,14	2,37							
Total	25	1,9288	,33477	,06695	1,7906	2,0670	1,12	2,49							

Test of Homogeneity of Variances

Kadar Abu	Levene Statistic	df1	df2	Sig.
	,640	4	20	,640

ANOVA

Kadar Abu	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,209	4	,052	,422	,791
Within Groups	2,480	20	,124		
Total	2,690	24			

Post Hoc Tests Homogeneous Subsets

Kadar Abu		
Duncan	N	Subset for alpha = 0.05
Ulangan		1
PT4	5	1,8000
PT3	5	1,8420
PT2	5	1,9640
PT1	5	2,0080
K	5	2,0300
Sig.		,365

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.

RAK FAKTORIAL – Kadar N Total

Case Processing Summary

	Perlakuan	Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
	K	5	100,0%	0	0,0%	5	100,0%
	PT1	5	100,0%	0	0,0%	5	100,0%
Kadar N Total	PT3	5	100,0%	0	0,0%	5	100,0%
	PT4	5	100,0%	0	0,0%	5	100,0%
	PT5	5	100,0%	0	0,0%	5	100,0%

Tests of Normality

Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
K	,201	5	,200 [*]	,945	5	,703	
PT1	,308	5	,137	,894	5	,380	
Kadar N Total	PT3	,307	5	,138	,736	5	,022
	PT4	,233	5	,200 [*]	,880	5	,309
	PT5	,224	5	,200 [*]	,910	5	,467

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

a. Lilliefors Significance Correction

Ulangan

Case Processing Summary

Ulangan	Cases						
	Valid		Missing		Total		
	N	Percent	N	Percent	N	Percent	
K	5	100,0%	0	0,0%	5	100,0%	
PT1	5	100,0%	0	0,0%	5	100,0%	
Kadar N Total	PT2	5	100,0%	0	0,0%	5	100,0%
	PT3	5	100,0%	0	0,0%	5	100,0%
	PT4	5	100,0%	0	0,0%	5	100,0%

Tests of Normality

Ulangan	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
K	,227	5	,200 [*]	,939	5	,660	
PT1	,264	5	,200 [*]	,879	5	,304	
Kadar N Total	PT2	,212	5	,200 [*]	,970	5	,874
	PT3	,415	5	,005	,659	5	,003
	PT4	,381	5	,017	,728	5	,018

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

a. Lilliefors Significance Correction

Oneway

Descriptives

Kadar N Total	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					K	5		
PT1	5	5,2920	1,62045	,72469	3,2799	7,3041	3,79	7,98
PT2	5	4,5100	,40460	,18094	4,0076	5,0124	3,95	5,04
PT3	5	4,6060	1,62282	,72575	2,5910	6,6210	3,66	7,49
PT4	5	5,4600	,88159	,39426	4,3654	6,5546	3,91	6,09
Total	25	4,8512	1,30792	,26158	4,3113	5,3911	2,29	7,98

Test of Homogeneity of Variances

Kadar N Total	Levene Statistic	df1	df2	Sig.
	1,740	4	20	,181

ANOVA

Kadar N Total	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4,780	4	1,195	,659	,628
Within Groups	36,275	20	1,814		
Total	41,055	24			

Post Hoc Tests Homogeneous Subsets

Kadar N Total		
Duncan	N	Subset for alpha = 0.05
		1
K	5	4,3880
PT2	5	4,5100
PT3	5	4,6060
PT1	5	5,2920
PT4	5	5,4600
Sig.		,271

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.

RAK FAKTORIAL – Kadar Gula Reduksi

Case Processing Summary

	Perlakuan	Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Kadar Gula Reduksi	K	5	100,0%	0	0,0%	5	100,0%
	PT1	5	100,0%	0	0,0%	5	100,0%
	PT3	5	100,0%	0	0,0%	5	100,0%
	PT4	5	100,0%	0	0,0%	5	100,0%
	PT5	5	100,0%	0	0,0%	5	100,0%

Tests of Normality

	Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	df	Sig.
Kadar Gula Reduksi	K	,215	5	,200*	,907	5	,449
	PT1	,235	5	,200*	,906	5	,444
	PT3	,233	5	,200*	,910	5	,468
	PT4	,205	5	,200*	,913	5	,485
	PT5	,241	5	,200*	,840	5	,165

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

a. Lilliefors Significance Correction

Ulangan

Case Processing Summary

	Ulangan	Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Kadar Gula Reduksi	K	5	100,0%	0	0,0%	5	100,0%
	PT1	5	100,0%	0	0,0%	5	100,0%
	PT2	5	100,0%	0	0,0%	5	100,0%
	PT3	5	100,0%	0	0,0%	5	100,0%
	PT4	5	100,0%	0	0,0%	5	100,0%

Tests of Normality

	Ulangan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	df	Sig.
Kadar Gula Reduksi	K	,256	5	,200*	,825	5	,127
	PT1	,253	5	,200*	,914	5	,489
	PT2	,231	5	,200*	,913	5	,487
	PT3	,273	5	,200*	,808	5	,094
	PT4	,335	5	,069	,812	5	,101

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

a. Lilliefors Significance Correction

Descriptives

Kadar Gula Reduksi

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					K	5		
PT1	5	6,7664	2,91571	1,30395	3,1461	10,3867	2,04	9,71
PT2	5	5,3330	2,23659	1,00023	2,5559	8,1101	2,99	8,94
PT3	5	5,4438	2,43618	1,08949	2,4189	8,4687	2,72	7,70
PT4	5	7,1760	1,87340	,83781	4,8499	9,5021	4,52	8,65
Total	25	6,2027	2,17665	,43533	5,3042	7,1012	2,04	9,71

Test of Homogeneity of Variances

Kadar Gula Reduksi

Levene Statistic	df1	df2	Sig.
,477	4	20	,752

ANOVA

Kadar Gula Reduksi

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13,029	4	3,257	,647	,635
Within Groups	100,678	20	5,034		
Total	113,707	24			

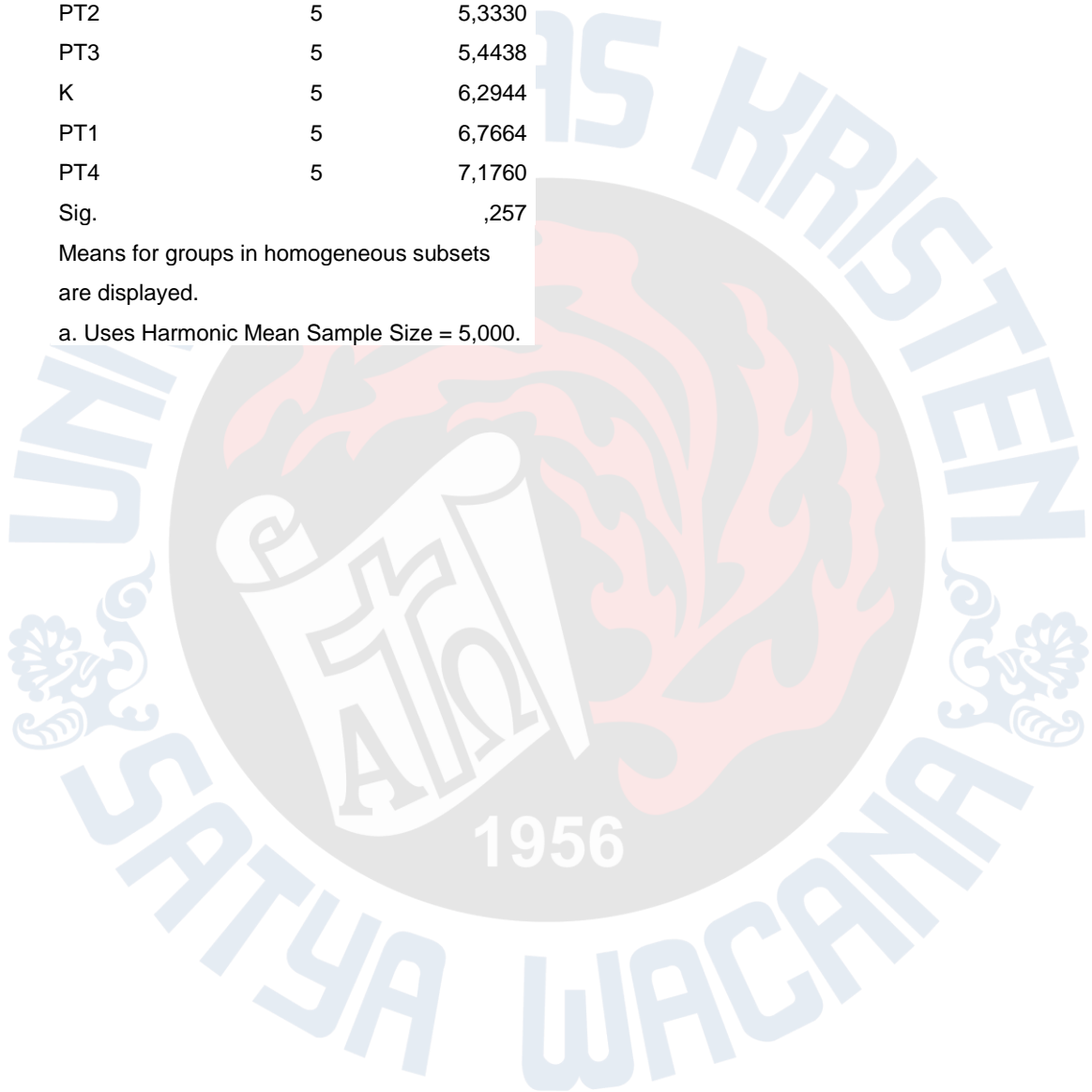
Post Hoc Tests Homogeneous Subsets

Kadar Gula Reduksi

Duncan		
Ulangan	N	Subset for alpha =
		0.05
		1
PT2	5	5,3330
PT3	5	5,4438
K	5	6,2944
PT1	5	6,7664
PT4	5	7,1760
Sig.		,257

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.



Lampiran 3. Kuisisioner Uji Organoleptik

KUISISIONER UJI ORGANOLEPTIK

Tanggal pengujian :

Nama penguji :

Nama produk : Cookies pisang substitusi talas

Intruksi :

Berikan penilaian saudara terhadap warna, aroma, rasa, dan tekstur berdasarkan kriteria penilaian sebagai berikut :

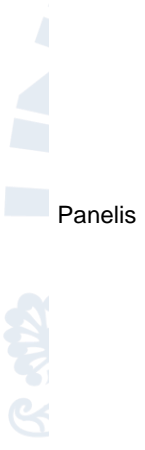
- (1) Sangat tidak suka
- (2) Tidak suka
- (3) Netral
- (4) Suka
- (5) Sangat suka

Kode sampel	Warna	Aroma	Rasa	Tekstur
Kontrol				
PT1				
PT2				
PT3				
PT4				

Lampiran 4. Data Penilaian Parameter Organoleptik

Parameter Warna

		Between-Subjects Factors		
		Value	Label	N
Perlakuan	1,00	K		30
	2,00	PT1		30
	3,00	PT2		30
	4,00	PT3		30
	5,00	PT4		30
Panelis	1,00			5
	2,00			5
	3,00			5
	4,00			5
	5,00			5
	6,00			5
	7,00			5
	8,00			5
	9,00			5
	10,00			5
	11,00			5
	12,00			5
	13,00			5
	14,00			5
	15,00			5
	16,00			5
	17,00			5
	18,00			5
	19,00			5
	20,00			5
	21,00			5
	22,00			5
	23,00			5
	24,00			5
	25,00			5
26,00			5	
27,00			5	
28,00			5	
29,00			5	
30,00			5	



Tests of Between-Subjects Effects

Dependent Variable: Warna

Source	Type III Sum of Squares	Df	Mean Square	F	Sig.
Corrected Model	159,980 ^a	33	4,848	7,652	,000
Intercept	1491,527	1	1491,527	2354,188	,000
Perlakuan	152,107	4	38,027	60,020	,000
Panelis	7,873	29	,271	,429	,995
Error	73,493	116	,634		
Total	1725,000	150			
Corrected Total	233,473	149			

a. R Squared = ,685 (Adjusted R Squared = ,596)

Homogeneous Subsets

Warna

Duncan Perlakuan	N	Subset	
		1	2
PT4	30	1,7333	
PT3	30	2,1333	
PT1	30		3,8333
PT2	30		4,0000
K	30		4,0667
Sig.		,054	,289

Means for groups in homogeneous subsets are displayed.
 Based on observed means.
 The error term is Mean Square(Error) = ,634.
 a. Uses Harmonic Mean Sample Size = 30,000.
 b. Alpha = 0,05.

Parameter Aroma

Between-Subjects Factors			
	Value Label		N
Perlakuan	1,00	K	30
	2,00	PT1	30
	3,00	PT2	30
	4,00	PT3	30
	5,00	PT4	30
Panelis	1,00		5
	2,00		5
	3,00		5
	4,00		5
	5,00		5
	6,00		5
	7,00		5
	8,00		5
	9,00		5
	10,00		5
	11,00		5
	12,00		5
	13,00		5
	14,00		5
	15,00		5
	16,00		5
	17,00		5
	18,00		5
	19,00		5
	20,00		5
	21,00		5
	22,00		5
	23,00		5
	24,00		5
	25,00		5
	26,00		5
	27,00		5
	28,00		5
	29,00		5
	30,00		5

Tests of Between-Subjects Effects

Dependent Variable: Aroma

Source	Type III Sum of Squares	Df	Mean Square	F	Sig.
Corrected Model	57,087 ^a	33	1,730	2,165	,001
Intercept	1607,207	1	1607,207	2011,031	,000
Perlakuan	44,893	4	11,223	14,043	,000
Panelis	12,193	29	,420	,526	,976
Error	92,707	116	,799		
Total	1757,000	150			
Corrected Total	149,793	149			

a. R Squared = ,381 (Adjusted R Squared = ,205)

Homogeneous Subsets

Duncan Perlakuan	N	Aroma		
		1	2	3
PT4	30	2,2667		
PT3	30		3,2333	
PT2	30		3,4667	3,4667
PT1	30		3,5000	3,5000
K	30			3,9000
Sig.		1,000	,280	,078

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,799.

- a. Uses Harmonic Mean Sample Size = 30,000.
- b. Alpha = 0,05.



Parameter Rasa

Between-Subjects Factors

	Value Label	N
Perlakuan	1,00 K	30
	2,00 PT1	30
	3,00 PT2	30
	4,00 PT3	30
	5,00 PT4	30
Panelis	1,00	5
	2,00	5
	3,00	5
	4,00	5
	5,00	5
	6,00	5
	7,00	5
	8,00	5
	9,00	5
	10,00	5
	11,00	5
	12,00	5
	13,00	5
	14,00	5
	15,00	5
	16,00	5
	17,00	5
	18,00	5
	19,00	5
	20,00	5
	21,00	5
	22,00	5
	23,00	5
	24,00	5
	25,00	5
	26,00	5
	27,00	5
	28,00	5
	29,00	5
	30,00	5

Tests of Between-Subjects Effects

Dependent Variable: Rasa

Source	Type III Sum of Squares	Df	Mean Square	F	Sig.
Corrected Model	126,767 ^a	33	3,841	6,677	,000
Intercept	1441,500	1	1441,500	2505,704	,000
Perlakuan	107,667	4	26,917	46,788	,000
Panelis	19,100	29	,659	1,145	,300
Error	66,733	116	,575		
Total	1635,000	150			
Corrected Total	193,500	149			

a. R Squared = ,655 (Adjusted R Squared = ,557)

Homogeneous Subsets

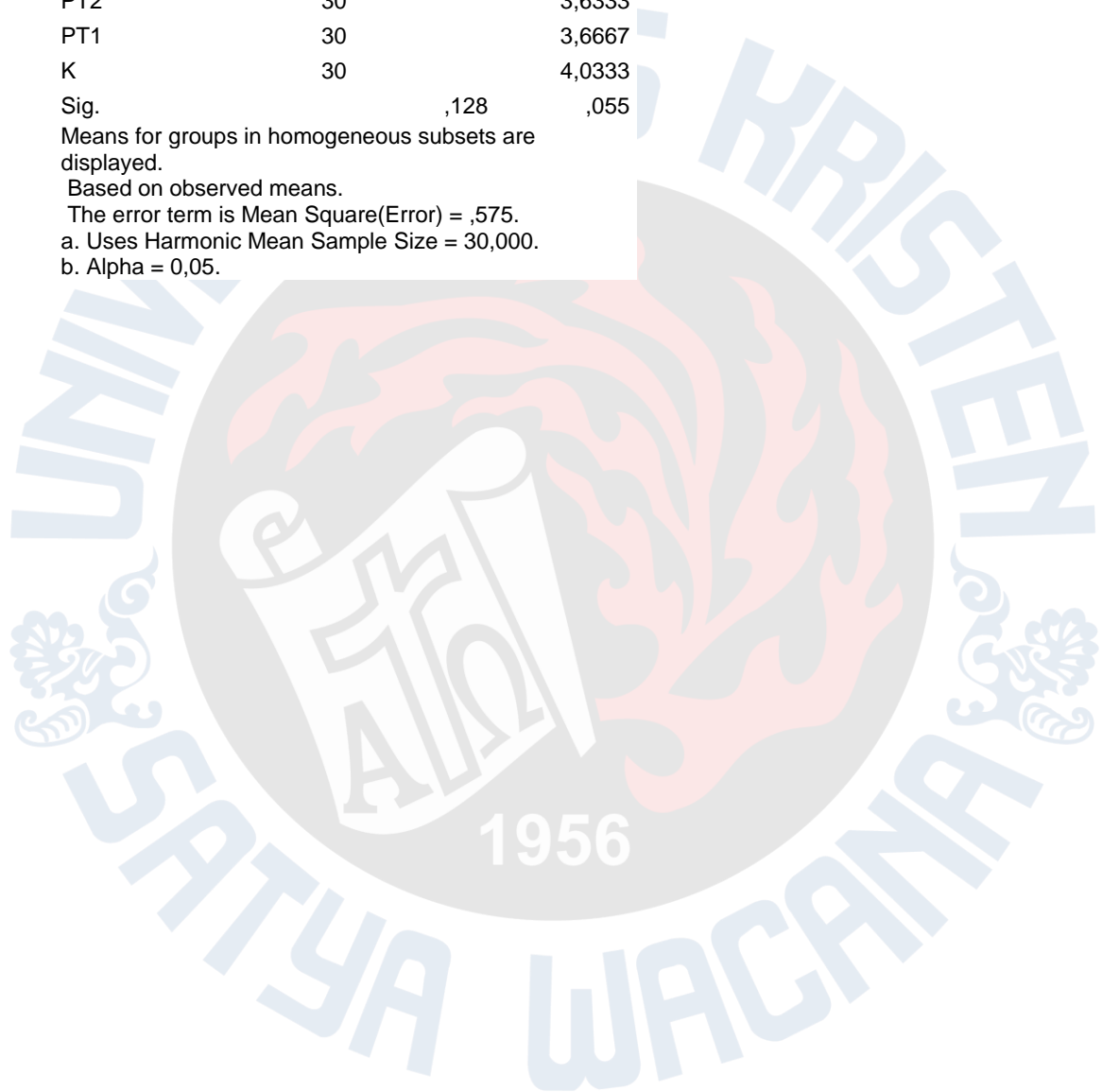
Duncan Perlakuan	N	Rasa	
		1	2
PT4	30	1,9333	
PT3	30	2,2333	
PT2	30		3,6333
PT1	30		3,6667
K	30		4,0333
Sig.		,128	,055

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,575.

- a. Uses Harmonic Mean Sample Size = 30,000.
- b. Alpha = 0,05.



Parameter Tekstur

Between-Subjects Factors			
	Value Label		N
Perlakuan	1,00	K	30
	2,00	PT1	30
	3,00	PT2	30
	4,00	PT3	30
	5,00	PT4	30
Panelis	1,00		5
	2,00		5
	3,00		5
	4,00		5
	5,00		5
	6,00		5
	7,00		5
	8,00		5
	9,00		5
	10,00		5
	11,00		5
	12,00		5
	13,00		5
	14,00		5
	15,00		5
	16,00		5
	17,00		5
	18,00		5
	19,00		5
	20,00		5
	21,00		5
	22,00		5
	23,00		5
	24,00		5
	25,00		5
	26,00		5
	27,00		5
	28,00		5
	29,00		5
	30,00		5

Tests of Between-Subjects Effects

Dependent Variable: Tekstur						
Source	Type III Sum of Squares	df	Mean Square	F	Sig.	
Corrected Model	48,013 ^a	33	1,455	1,630	,031	
Intercept	1958,427	1	1958,427	2193,680	,000	
Perlakuan	12,440	4	3,110	3,484	,010	
Panelis	35,573	29	1,227	1,374	,121	
Error	103,560	116	,893			
Total	2110,000	150				
Corrected Total	151,573	149				

a. R Squared = ,317 (Adjusted R Squared = ,122)

Homogeneous Subsets

Duncan Perlakuan	N	Tekstur	
		Subset 1	Subset 2
PT4	30	3,2667	
PT3	30	3,3667	
PT2	30	3,5333	3,5333
PT1	30		3,9333
K	30		3,9667
Sig.		,307	,096

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,893.

- a. Uses Harmonic Mean Sample Size = 30,000.
- b. Alpha = 0,05.

