7. LAMPIRAN

7.1. Hasil Pengolahan Data SPSS

7.1.1. Uji Normalitas

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
L	,104	30	,200*	,971	30	,578
A	,097	30	,200*	,952	30	,194
B	,135	30	,174	,938	30	,079
Hardness	,088	30	,200*	,970	30	,530

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

a. Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
volume_pengembangan	,187	8	,200*	,927	8	,487

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

a. Lilliefors Significance Correction

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
kadar_air	,105	30	,200*	,948	30	,154
kadar_abu	,121	30	,200*	,970	30	,549
kadar_lemak	,142	30	,125	,932	30	,056
kadar_protein	,105	30	,200*	,968	30	,484
kadar_karbohidrat	,127	30	,200*	,945	30	,126
total_kalori	,132	30	,195	,933	30	,060
kadar_beta_karoten	,195	30	,005	,892	30	,005

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

a. Lilliefors Significance Correction

7.1.2. Uji One Way ANOVA Duncan

L

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05			
		1	2	3	4
kontrol luar	6	72,6883			
labu kuning 60%	6		77,0433		

labu kuning 50%	6		78,3850		
labu kuning 40%	6			80,7200	
kontrol dalam	6				83,3767
Sig.		1,000	,183	1,000	1,000

Means for groups in homogeneous subsets are displayed.

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

A

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05			
		1	2	3	4
kontrol dalam	6	-5,0817			
kontrol luar	6		-4,3867		
labu kuning 40%	6		-4,0217	-4,0217	
labu kuning 50%	6			-3,8983	
labu kuning 60%	6				-3,2217
Sig.		1,000	,094	,562	1,000

Means for groups in homogeneous subsets are displayed.

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

B

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05				
		1	2	3	4	5
kontrol dalam	6	29,3050				
kontrol luar	6		32,1283			
labu kuning 40%	6			35,3283		
labu kuning 50%	6				37,1667	
labu kuning 60%	6					38,6633
Sig.		1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

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

Hardness

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05				
		1	2	3	4	5
kontrol dalam	6	135,3367				
kontrol luar	6		172,2401			
labu kuning 40%	6			193,4105		
labu kuning 50%	6				213,4299	
labu kuning 60%	6					241,4452

Sig.		1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

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

volume_pengembangan

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05		
		1	2	3
labu kuning 60%	2	67,0455		
labu kuning 50%	2	82,1429	82,1429	
labu kuning 40%	2		107,6190	107,6190
kontrol dalam	2			118,2540
Sig.		,235	,078	,381

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

kadar_air

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05			
		1	2	3	4
kontrol pembanding	6	25,0056			
puree 40%	6		27,4956		
puree 50%	6			30,1889	
kontrol komersial	6			30,3500	
puree 60%	6				31,7556
Sig.		1,000	1,000	,811	1,000

Means for groups in homogeneous subsets are displayed.

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

kadar_abu

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05			
		1	2	3	4
kontrol komersial	6	,8167			
kontrol pembanding	6		1,2833		
puree 40%	6			1,6000	
puree 50%	6			1,7333	
puree 60%	6				2,0667
Sig.		1,000	1,000	,109	1,000

Means for groups in homogeneous subsets are displayed.

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

kadar_lemak

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05			
		1	2	3	4
puree 60%	6	12,1667			
puree 50%	6		16,3333		
puree 40%	6			23,1667	
kontrol komersial	6				29,6667
kontrol pembanding	6				30,5000
Sig.		1,000	1,000	1,000	,493

Means for groups in homogeneous subsets are displayed.

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

kadar_protein

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05	
		1	2
kontrol pembanding	6	5,1073	
puree 50%	6	5,2857	
puree 60%	6	5,2889	
puree 40%	6	5,4612	
kontrol komersial	6		5,7987
Sig.		,054	1,000

Means for groups in homogeneous subsets are displayed.

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

kadar_karbohidrat

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05			
		1	2	3	4
kontrol komersial	6	34,1187			
kontrol pembanding	6		39,3871		
puree 40%	6			43,8765	
puree 50%	6				48,1920
puree 60%	6				50,7888
Sig.		1,000	1,000	1,000	,081

Means for groups in homogeneous subsets are displayed.

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

total_kalori

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05				
		1	2	3	4	5
puree 60%	6	333,8111				
puree 50%	6		360,9111			
puree 40%	6			405,8511		
kontrol komersial	6				426,9333	
kontrol pembanding	6					452,4778
Sig.		1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

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

kadar_beta_karoten

Duncan[a]

konsentrasi	N	Subset for alpha = 0.05				
		1	2	3	4	5
kontrol pembanding	6	13,7294				
kontrol komersial	6		58,7619			
puree 40%	6			158,1129		
puree 50%	6				271,1933	
puree 60%	6					355,6167
Sig.		1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

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

7.1.3. Uji Kruskal Wallis

7.1.3.1. Warna

Ranks

	konsentrasi	N	Mean Rank
warna	kontrol	70	125,40
	puree labu kuning 40%	70	149,37
	puree labu kuning 50%	70	154,46
	puree labu kuning 60%	70	132,77
	Total	280	

Test Statistics[a,b]

	warna
Chi-Square	6,825
df	3
Asymp. Sig.	,078

a. Kruskal Wallis Test

b. Grouping Variable: konsentrasi

7.1.3.2. Aroma

Ranks

	konsentrasi	N	Mean Rank
aroma	kontrol	70	151,12
	puree labu kuning 40%	70	155,12
	puree labu kuning 50%	70	129,63
	puree labu kuning 60%	70	126,13
	Total	280	

Test Statistics[a,b]

	aroma
Chi-Square	7,966
df	3
Asymp. Sig.	,047

a. Kruskal Wallis Test

b. Grouping Variable: konsentrasi

7.1.3.3. Rasa

Ranks

	konsentrasi	N	Mean Rank
rasa	kontrol	70	145,74
	puree labu kuning 40%	70	145,19
	puree labu kuning 50%	70	132,39
	puree labu kuning 60%	70	138,68
	Total	280	

Test Statistics[a,b]

	rasa
Chi-Square	1,404
df	3
Asymp. Sig.	,705

a. Kruskal Wallis Test

b. Grouping Variable: konsentrasi

7.1.3.4. Tekstur

Ranks

	konsentrasi	N	Mean Rank
tekstur	kontrol	70	94,44
	puree labu kuning 40%	70	131,74
	puree labu kuning 50%	70	164,24
	puree labu kuning 60%	70	171,59
	Total	280	

Test Statistics[a,b]

	tekstur
Chi-Square	43,545
df	3
Asymp. Sig.	,000

a. Kruskal Wallis Test

b. Grouping Variable: konsentrasi

7.1.3.5. Overall

Ranks

	konsentrasi	N	Mean Rank
overall	kontrol	70	124,64
	puree labu kuning 40%	70	145,61
	puree labu kuning 50%	70	140,54
	puree labu kuning 60%	70	151,21
	Total	280	

Test Statistics[a,b]

	overall
Chi-Square	4,878
df	3
Asymp. Sig.	,181

a. Kruskal Wallis Test

b. Grouping Variable: konsentrasi

7.1.4. Uji Mann Whitney

7.1.4.1. Kontrol dan *puree* labu kuning 40%

Ranks

	konsentrasi	N	Mean Rank	Sum of Ranks
aroma	kontrol	70	69,50	4865,00

	puree labu kuning 40%	70	71,50	5005,00
	Total	140		
tekstur	kontrol	70	60,84	4258,50
	puree labu kuning 40%	70	80,16	5611,50
	Total	140		

Test Statistics[a]

	aroma	tekstur
Mann-Whitney U	2380,000	1773,500
Wilcoxon W	4865,000	4258,500
Z	-,317	-2,953
Asymp. Sig. (2-tailed)	,751	,003

a. Grouping Variable: konsentrasi

7.1.4.2. Kontrol dan *puree* labu kuning 50%

Ranks

	konsentrasi	N	Mean Rank	Sum of Ranks
aroma	kontrol	70	75,96	5317,00
	puree labu kuning 50%	70	65,04	4553,00
	Total	140		
tekstur	kontrol	70	53,43	3740,00
	puree labu kuning 50%	70	87,57	6130,00
	Total	140		

Test Statistics[a]

	aroma	tekstur
Mann-Whitney U	2068,000	1255,000
Wilcoxon W	4553,000	3740,000
Z	-1,723	-5,182
Asymp. Sig. (2-tailed)	,085	,000

7.1.4.3. Kontrol dan *puree* labu kuning 60%

Ranks

	konsentrasi	N	Mean Rank	Sum of Ranks
aroma	kontrol	70	76,66	5366,50
	puree labu kuning 60%	70	64,34	4503,50
	Total	140		
tekstur	kontrol	70	51,17	3582,00
	puree labu kuning 60%	70	89,83	6288,00

Total	140		

Test Statistics[a]

	aroma	tekstur
Mann-Whitney U	2018,500	1097,000
Wilcoxon W	4503,500	3582,000
Z	-1,913	-5,882
Asymp. Sig. (2-tailed)	,056	,000

a. Grouping Variable: konsentrasi

7.1.4.4. *Puree* labu kuning 40% dan *puree* labu kuning 50%

Ranks

	konsentrasi	N	Mean Rank	Sum of Ranks
aroma	puree labu kuning 40%	70	76,96	5387,00
	puree labu kuning 50%	70	64,04	4483,00
	Total	140		
tekstur	puree labu kuning 40%	70	62,28	4359,50
	puree labu kuning 50%	70	78,72	5510,50
	Total	140		

Test Statistics[a]

	aroma	tekstur
Mann-Whitney U	1998,000	1874,500
Wilcoxon W	4483,000	4359,500
Z	-2,031	-2,521
Asymp. Sig. (2-tailed)	,042	,012

a. Grouping Variable: konsentrasi

7.1.4.5. *Puree* labu kuning 40% dan *puree* labu kuning 60%

Ranks

	konsentrasi	N	Mean Rank	Sum of Ranks
aroma	puree labu kuning 40%	70	77,66	5436,50
	puree labu kuning 60%	70	63,34	4433,50
	Total	140		
tekstur	puree labu kuning 40%	70	60,30	4221,00
	puree labu kuning 60%	70	80,70	5649,00
	Total	140		

Test Statistics[a]

	aroma	tekstur

Mann-Whitney U	1948,500	1736,000
Wilcoxon W	4433,500	4221,000
Z	-2,219	-3,142
Asymp. Sig. (2-tailed)	,026	,002

a. Grouping Variable: konsentrasi

7.1.4.6. Puree labu kuning 50% dan puree labu kuning 60%

Ranks

	konsentrasi	N	Mean Rank	Sum of Ranks
aroma	puree labu kuning 50%	70	71,54	5008,00
	puree labu kuning 60%	70	69,46	4862,00
	Total	140		
tekstur	puree labu kuning 50%	70	68,94	4826,00
	puree labu kuning 60%	70	72,06	5044,00
	Total	140		

Test Statistics[a]

	aroma	tekstur
Mann-Whitney U	2377,000	2341,000
Wilcoxon W	4862,000	4826,000
Z	-,322	-,490
Asymp. Sig. (2-tailed)	,747	,624

a. Grouping Variable: konsentrasi

7.2. . Scoresheet Sponge Cake

7.2.1. Pendahuluan (Uji *Ranking* Hedonik)

UJI RANKING HEDONIK

Nama Panelis : Tanggal:
Jenis Kelamin :
ID Line/ no. WA :
Produk : *Sponge Cake*

Instruksi:
Berkumur-kumurlah dulu dengan menggunakan air mineral yang telah disediakan sebelum dan sesudah menguji sampel.

Di hadapan Anda terdapat sampel *sponge cake*. Cicipilah setiap sampel secara berturutan dari kiri ke kanan, rasakan masing-masing. Setelah mencicipi semua sampel, Anda boleh mengulang sesering yang Anda perlukan. Berilah nilai dari kisaran 1-4 dan nilai yang diberikan untuk setiap sampel **tidak boleh sama.**

Parameter	Kode Sampel					
Warna						
Aroma						
Rasa						
Tekstur						
Overall						

7.2.2. Uji *Rating* Hedonik

UJI RATING HEDONIK

Nama Panelis : Tanggal:
Jenis Kelamin :
Produk : *Sponge Cake*

Instruksi:
Berkumur-kumurlah dulu dengan menggunakan air mineral yang telah disediakan sebelum dan sesudah menguji sampel.

Di hadapan Anda terdapat sampel *sponge cake*. Cicipilah setiap sampel secara berturutan dari kiri ke kanan, rasakan masing-masing. Setelah mencicipi semua sampel, Anda boleh mengulang sesering yang Anda perlukan. Berilah nilai dari kisaran 1-4 dan nilai yang diberikan untuk setiap sampel **boleh sama.**

Keterangan:

1 = tidak suka 3 = suka
2 = agak suka 4 = sangat suka

Parameter	Kode Sampel			
Warna				
Aroma				
Rasa				
Tekstur				
Overall				

7.3. Dokumentasi

7.3.1. Sponge Cake

0% *Puree* Labu Kuning

40% *Puree* Labu Kuning

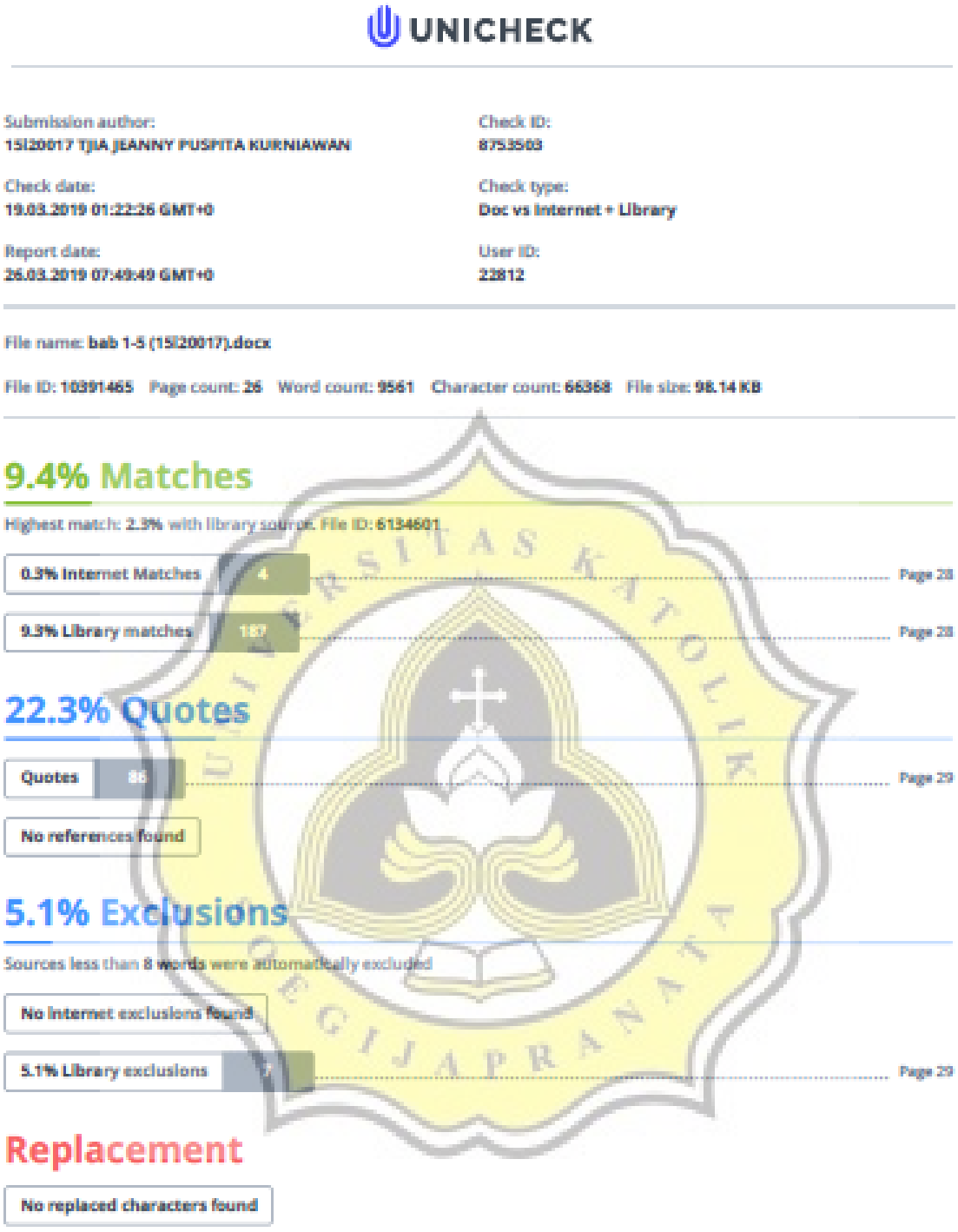
50% *Puree* Labu Kuning

60% *Puree* Labu Kuning

7.3.2. Uji Sensori

7.3.2.1. Batch 1

7.3.2.2. Batch 2



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