

7. LAMPIRAN

Lampiran 1. Daftar Tabel Kandungan Gizi

a. Kandungan Gizi Lidah Buaya

Komponen	Jumlah
Karbohidrat (g)	0,300
Kalori (kal)	1.730-2.300
Lemak (g)	0,050-0,090
Protein (g)	0,010-0,061
Vitamin A (IU)	2,000-4,600
Vitamin C (mg)	0,500-4,200
Thiamin (mg)	0,003-0,004
Riboflavin (mg)	0,001-0,002
Niacin (mg)	0,038-0,040
Kalsium (mg)	9,920-19,920
Besi (mg)	0,060-0,320

(Morsy, 1991 dalam Padmadisastra *et al.*, 2003).

b. Komposisi Kimia Tepung Sagu

Komposisi	Jumlah
Energi (kalori/100gram)	355
Karbohidrat (%)	94
Air (%)	14
Proetin (%)	0,2
Lemak (%)	0,2

Sumber: Auliah (2012)

c. Komposisi Kimia Tepung Tapioka

Komposisi	Jumlah
Energi (kalori/100gram)	363
Karbohidrat (%)	88,2
Air (%)	9
Proetin (%)	1,1
Lemak (%)	0,5

Sumber: Auliah (2012)

d. Komposisi Kimia Tepung Garut

Komposisi	Jumlah
Karbohidrat (%)	85,2
Air (%)	11,9
Proetin (%)	0,14
Lemak (%)	0,84

Sumber : Wijayanti (2007)

e. Komposisi Kimia Tepung Pati Kentang

Komposisi	Jumlah
Karbohidrat (%)	79,9
Proetin (%)	8
Lemak (%)	0,1

Sumber: Muthia *et al.*, (2010)

Lampiran 2. Score sheet Sorbet Lidah Buaya

UJI RATING HEDONIK

Nama Panelis :

Tanggal :

Produk : *Sorbet* Lidah Buaya

No HP/ Line ID:

Instruksi:

Berkumur-kumurlah sebelum melakukan pengujian sampel.

Dihadapan Anda terdapat 5 sampel *Sorbet* Lidah Buaya. Cicipi sampel secara berurutan dari kiri ke kanan, rasakan masing-masing. Setelah mencicipi semua sampel, Anda boleh mengulang sesering yang Anda perlukan. berikan penilaian dari yang paling Anda sangat tidak suka (=1), tidak suka (=2), agak suka (=3), suka (=4) dan sangat suka (=5)

Atribut	Kode				
Tekstur					
Rasa					
Bau					
Overall					

Lampiran 3. Hasil analisa SPSS Sensori 1

a. Uji Kruskal Wallis

- Uji Beda Nyata / Tidak

Test Statistics^{a,b}

	TEKSTUR	RASA	BAU	OVERALL
Chi-Square	35.113	13.840	1.565	17.589
df	3	3	3	3
Asymp. Sig.	.000	.003	.667	.001

a. Kruskal Wallis Test

b. Grouping Variable: PERLAKUAN

b. Uji Mann Whitney

- Konsentrasi 50%-65%

Test Statistics^a

	TEKSTUR	RASA	OVERALL
Mann-Whitney U	300.500	333.000	358.500
Wilcoxon W	765.500	798.000	823.500
Z	-2.314	-1.841	-1.432
Asymp. Sig. (2-tailed)	.021	.066	.152

a. Grouping Variable: PERLAKUAN

- Konsentrasi 50%-80%

Test Statistics^a

	TEKSTUR	RASA	OVERALL
Mann-Whitney U	170.500	259.500	268.000
Wilcoxon W	635.500	724.500	733.000
Z	-4.235	-2.934	-2.822
Asymp. Sig. (2-tailed)	.000	.003	.005

a. Grouping Variable: PERLAKUAN

- Konsentrasi 50%-95%

Test Statistics^a

	TEKSTUR	RASA	OVERALL
Mann-Whitney U	144.500	240.000	211.000
Wilcoxon W	609.500	705.000	676.000
Z	-4.633	-3.223	-3.674
Asymp. Sig. (2-tailed)	.000	.001	.000

a. Grouping Variable: PERLAKUAN

- Konsentrasi 65%-80%

Test Statistics^a

	TEKSTUR	RASA	OVERALL
Mann-Whitney U	237.000	356.000	348.500
Wilcoxon W	702.000	821.000	813.500
Z	-3.293	-1.451	-1.585
Asymp. Sig. (2-tailed)	.001	.147	.113

a. Grouping Variable: PERLAKUAN

- Konsentrasi 65%-95%

Test Statistics^a

	TEKSTUR	RASA	OVERALL
Mann-Whitney U	200.500	334.500	277.500
Wilcoxon W	665.500	799.500	742.500
Z	-3.868	-1.782	-2.673
Asymp. Sig. (2-tailed)	.000	.075	.008

a. Grouping Variable: PERLAKUAN

- Konsentrasi 80%-95%

Test Statistics^a

	TEKSTUR	RASA	OVERALL
Mann-Whitney U	422.500	436.000	362.500
Wilcoxon W	887.500	901.000	827.500
Z	-.431	-.214	-1.375
Asymp. Sig. (2-tailed)	.666	.830	.169

a. Grouping Variable: PERLAKUAN

Lampiran 4. *Scoresheet Uji Hedonik Sorbet Lidah Buaya*

UJI RATING HEDONIK

Nama Panelis : _____ Tanggal : _____
 Produk : *Sorbet Lidah Buaya dengan berbagai fat replacer*

Instruksi:

Berkumur-kumurlah sebelum melakukan pengujian sampel.

Dihadapan Anda terdapat 5 sampel *Sorbet Lidah Buaya* dengan berbagai *fat replacer*. Cicipi sampel secara berurutan dari kiri ke kanan, rasakan masing-masing. Setelah mencicipi semua sampel, Anda boleh mengulang sesering yang Anda perlukan. berikan penilaian dari yang paling Anda sangat tidak suka (=1), tidak suka (=2), agak suka (=3), suka (=4) dan sangat suka (=5)

Atribut	Kode				
Tekstur					
Rasa					
Overall					

Lampiran 5. Hasil Analisa SPSS Sensori 2

a. Uji Kruskal Wallis

- Uji Beda Nyata / Tidak

Test Statistics^{a,b}

	rasa	tekstur	overall
Chi-Square	14.454	18.140	18.043
df	4	4	4
Asymp. Sig.	.006	.001	.001

a. Kruskal Wallis Test

b. Grouping Variable: perlakuan

b. Uji Mann Whitney

- Kontrol-Tepung Tapioka

Test Statistics^a

	tekstur	overall	rasa
Mann-Whitney U	362.000	425.000	389.500
Wilcoxon W	827.000	890.000	854.500
Z	-1.384	-.393	-.930
Asymp. Sig. (2-tailed)	.166	.694	.353

a. Grouping Variable: perlakuan

- Kontrol-Tepung Sagu

Test Statistics^a

	tekstur	overall	rasa
Mann-Whitney U	318.000	224.000	250.500
Wilcoxon W	783.000	689.000	715.500
Z	-2.043	-3.493	-3.091
Asymp. Sig. (2-tailed)	.041	.000	.002

a. Grouping Variable: perlakuan

- Kontrol-Tepung Garut

Test Statistics^a

	tekstur	overall	rasa
Mann-Whitney U	408.500	351.000	284.500
Wilcoxon W	873.500	816.000	749.500
Z	-.642	-1.536	-2.548
Asymp. Sig. (2-tailed)	.521	.124	.011

a. Grouping Variable: perlakuan

- Kontrol-Tepung Kentang

Test Statistics^a

	tekstur	overall	rasa
Mann-Whitney U	328.500	308.000	372.000
Wilcoxon W	793.500	773.000	837.000
Z	-1.870	-2.204	-1.211
Asymp. Sig. (2-tailed)	.061	.028	.226

a. Grouping Variable: perlakuan

- Tepung Tapioka-Tepung Sagu

Test Statistics^a

	tekstur	overall	rasa
Mann-Whitney U	318.000	224.000	250.500
Wilcoxon W	783.000	689.000	715.500
Z	-2.043	-3.493	-3.091
Asymp. Sig. (2-tailed)	.041	.000	.002

a. Grouping Variable: perlakuan

- Tepung Tapioka-Tepung Garut

Test Statistics^a

	tekstur	overall	rasa
Mann-Whitney U	304.500	388.500	339.000
Wilcoxon W	769.500	833.500	804.000
Z	-2.268	-1.271	-1.706
Asymp. Sig. (2-tailed)	.023	.204	.088

a. Grouping Variable: perlakuan

- Tepung Tapioka-Tepung Kentang

Test Statistics^a

	tekstur	overall	rasa
Mann-Whitney U	226.500	322.000	438.500
Wilcoxon W	691.500	787.000	903.500
Z	-3.447	-2.001	-.179
Asymp. Sig. (2-tailed)	.001	.045	.858

a. Grouping Variable: perlakuan

- Tepung Sagu-Tepung Garut

Test Statistics^a

	tekstur	overall	rasa
Mann-Whitney U	337.500	310.000	434.500
Wilcoxon W	802.500	775.000	899.500
Z	-1.750	-2.209	-.247
Asymp. Sig. (2-tailed)	.080	.027	.805

a. Grouping Variable: perlakuan

- Tepung Sagu-Tepung Kentang

Test Statistics^a

	tekstur	overall	rasa
Mann-Whitney U	433.000	345.500	289.500
Wilcoxon W	898.000	810.500	754.500
Z	-.266	-1.675	-2.537
Asymp. Sig. (2-tailed)	.790	.094	.011

a. Grouping Variable: perlakuan

- Tepung Garut-Tepung Kentang

Test Statistics^a

	tekstur	overall	rasa
Mann-Whitney U	351.500	407.500	329.500
Wilcoxon W	816.500	872.500	794.500
Z	-1.534	-.667	-1.874
Asymp. Sig. (2-tailed)	.125	.505	.061

a. Grouping Variable: perlakuan

Lampiran 6. Hasil Analisa Uji Fisik dan Kimia SPSS

a. Hardness

Tests of Normality

perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
kekeraan kontrol	.221	6	.200 [*]	.930	6	.577
tapioka	.252	6	.200 [*]	.872	6	.232
sagu	.164	6	.200 [*]	.934	6	.612
garut	.239	6	.200 [*]	.870	6	.226
kentang	.341	6	.028	.798	6	.056

a. Lilliefors Significance Correction

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

kekeraan

perlakuan	N	Subset				
		1	2	3	4	5
kontrol	6	2.6111				
garut	6		2.8555			
tapioka	6			3.1546		
sagu	6				3.5135	
kentang	6					3.9663
Sig.		1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,033.

b. Viskositas

Tests of Normality

perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
visko.sblm kontrol	.231	6	.200 [*]	.885	6	.292
tapioka	.203	6	.200 [*]	.969	6	.886
sagu	.198	6	.200 [*]	.970	6	.893
garut	.216	6	.200 [*]	.912	6	.451
kentang	.239	6	.200 [*]	.889	6	.313

a. Lilliefors Significance Correction

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

visko.sblm

Duncan

perlakuan	N	Subset				
		1	2	3	4	5
kontrol	6	2.6630E2				
garut	6		4.2590E2			
tapioka	6			4.4110E2		
sagu	6				4.9390E2	
kentang	6					5.1010E2
Sig.		1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 79,344.

Tests of Normality

perlakuan	nerlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
visko.stlh	kontrol	.221	6	.200*	.943	6	.680
	tapioka	.175	6	.200*	.924	6	.537
	sagu	.195	6	.200*	.920	6	.505
	garut	.209	6	.200*	.906	6	.408
	kentang	.192	6	.200*	.909	6	.430

a. Lilliefors Significance Correction
*. This is a lower bound of the true significance.

visko.stlh

Duncan

perlakuan	N	Subset				
		1	2	3	4	5
kontrol	6	1.3880E2				
garut	6		2.0960E2			
tapioka	6			2.2338E2		
sagu	6				2.7750E2	
kentang	6					2.9548E2
Sig.		1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 42,370.

c. Time to melt

Tests of Normality

perlakuan	nerlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
ttm	kontrol	.153	6	.200*	.977	6	.936
	tapioka	.187	6	.200*	.961	6	.828
	sagu	.141	6	.200*	.986	6	.978
	garut	.226	6	.200*	.868	6	.219
	kentang	.232	6	.200*	.900	6	.375

a. Lilliefors Significance Correction
*. This is a lower bound of the true significance.

ttm

Duncan

perlakuan	N	Subset		
		1	2	3
kontrol	6	57.8650		
garut	6		61.0417	
tapioka	6		62.1283	
sagu	6			64.3383
kentang	6			65.6167
Sig.		1.000	.234	.164

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 2,379.

d.Melting Rate

		Tests of Normality ^{a, b, c, d, e, f}					
		Kolmogorov-Smirnov ^e			Shapiro-Wilk		
perlakuan		Statistic	df	Sig.	Statistic	df	Sig.
menit10	sorbet lidah buaya kontrol	.149	6	.200 [*]	.965	6	.861
	sorbet lidah buaya + tepung tapioka	.199	6	.200 [*]	.922	6	.523
	sorbet lidah buaya + tepung sagu	.302	6	.093	.833	6	.114
	sorbet lidah buaya + tepung garut	.192	6	.200 [*]	.899	6	.368
	sorbet lidah buaya + tepung pati kentang	.401	6	.003	.702	6	.007
menit15	sorbet lidah buaya kontrol	.209	6	.200 [*]	.903	6	.391
	sorbet lidah buaya + tepung tapioka	.251	6	.200 [*]	.857	6	.178
	sorbet lidah buaya + tepung sagu	.200	6	.200 [*]	.895	6	.347
	sorbet lidah buaya + tepung garut	.137	6	.200 [*]	.971	6	.902
	sorbet lidah buaya + tepung pati kentang	.155	6	.200 [*]	.958	6	.803
menit20	sorbet lidah buaya kontrol	.281	6	.151	.862	6	.196
	sorbet lidah buaya + tepung tapioka	.230	6	.200 [*]	.929	6	.573
	sorbet lidah buaya + tepung sagu	.181	6	.200 [*]	.913	6	.457
	sorbet lidah buaya + tepung garut	.210	6	.200 [*]	.955	6	.780
	sorbet lidah buaya + tepung pati kentang	.132	6	.200 [*]	.997	6	.999
menit25	sorbet lidah buaya kontrol	.172	6	.200 [*]	.925	6	.546
	sorbet lidah buaya + tepung tapioka	.243	6	.200 [*]	.828	6	.104
	sorbet lidah buaya + tepung sagu	.215	6	.200 [*]	.919	6	.498
	sorbet lidah buaya + tepung garut	.216	6	.200 [*]	.884	6	.286
	sorbet lidah buaya + tepung pati kentang	.219	6	.200 [*]	.940	6	.656
menit30	sorbet lidah buaya kontrol	.390	6	.005	.701	6	.006
	sorbet lidah buaya + tepung tapioka	.226	6	.200 [*]	.910	6	.433
	sorbet lidah buaya + tepung sagu	.265	6	.200 [*]	.914	6	.464
	sorbet lidah buaya + tepung garut	.199	6	.200 [*]	.960	6	.819
	sorbet lidah buaya + tepung pati kentang	.239	6	.200 [*]	.888	6	.309

a. Lilliefors Significance Correction

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

b. menit5 is constant when perlakuan = sorbet lidah buaya kontrol. It has been omitted.

c. menit5 is constant when perlakuan = sorbet lidah buaya + tepung tapioka. It has been omitted.

d. menit5 is constant when perlakuan = sorbet lidah buaya + tepung sagu. It has been omitted.

e. menit5 is constant when perlakuan = sorbet lidah buaya + tepung garut. It has been omitted.

f. menit5 is constant when perlakuan = sorbet lidah buaya + tepung pati kentang. It has been omitted.

menit10

Duncan

perlakuan	N	Subset		
		1	2	3
sorbet lidah buaya + tepung pati kentang	6	.0075		
sorbet lidah buaya + tepung sagu	6	.0160		
sorbet lidah buaya + tepung tapioka	6	.0288	.0288	
sorbet lidah buaya + tepung garut	6		.0477	
sorbet lidah buaya kontrol	6			.0795
Sig.		.099	.124	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,000.

menit_15

Duncan

perlakuan	N	Subset			
		1	2	3	4
kentang	6	.0877			
sagu	6	.1133	.1133		
tapioka	6		.1320	.1320	
garut	6			.1612	
kontrol	6				.2073
Sig.		.100	.225	.063	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,001.

menit_20

Duncan

perlakuan	N	Subset			
		1	2	3	4
kentang	6	.1910			
sagu	6	.2105	.2105		
tapioka	6		.2453	.2453	
garut	6			.2700	
kontrol	6				.3293
Sig.		.283	.061	.177	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,001.

menit_25

Duncan

perlakuan	N	Subset			
		1	2	3	4
kentang	6	.3008			
sagu	6	.3215	.3215		
tapioka	6		.3447		
garut	6			.3848	
kontrol	6				.4360
Sig.		.194	.147	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,001.

menit_30

Duncan

perlakuan	N	Subset			
		1	2	3	4
kentang	6	.3717			
sagu	6	.4025	.4025		
tapioka	6		.4360	.4360	
garut	6			.4698	
kontrol	6				.5102
Sig.		.084	.062	.059	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,001.

e. Kadar Amilosa

Tests of Normality^b

perlakuan		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
amilosa	tapioka	.293	6	.118	.837	6	.123
	sagu	.243	6	.200 [*]	.858	6	.182
	garut	.215	6	.200 [*]	.917	6	.482
	kentang	.140	6	.200 [*]	.981	6	.959

a. Lilliefors Significance Correction

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

b. amilosa is constant when perlakuan = kontrol. It has been omitted.

amilosa

Duncan

perlakuan	N	Subset				
		1	2	3	4	5
kontrol	6	.0000				
garut	6		32.1802			
tapioka	6			33.0743		
sagu	6				36.7638	
kentang	6					37.6772
Sig.		1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,070.

