

7. LAMPIRAN

Lampiran 1. Hasil Pengolahan SPSS

❖ Kadar Air

• Uji Normalitas Kadar Air

Tests of Normality

sampel		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
kdr_air	original	.170	6	.200 [*]	.946	6	.704
	coklat	.181	6	.200 [*]	.937	6	.636
	sorbitol	.272	6	.189	.857	6	.179

a. Lilliefors Significance Correction

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

• Uji Duncan Kadar Air

kdr_air

Duncan

sampel	N	Subset for alpha = 0.05	
		1	2
coklat	6	16.6300	
original	6	19.4461	19.4461
sorbitol	6		21.3447
Sig.		.078	.222

Means for groups in homogeneous subsets are displayed.

❖ Kadar Abu

• Uji Normalitas Kadar Abu

Tests of Normality

sampel		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
kdr_abu	original	.323	6	.050	.798	6	.056
	coklat	.250	6	.200 [*]	.922	6	.518
	sorbitol	.285	6	.140	.921	6	.511

a. Lilliefors Significance Correction

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

• Uji Duncan Kadar Abu

kdr_abu

Duncan

sampel	N	Subset for alpha = 0.05
		1
sorbitol	6	.7233
original	6	.7357
coklat	6	.8101
Sig.		.330

Means for groups in homogeneous subsets are displayed.

❖ Kadar Lemak

• Uji Normalitas Kadar Lemak

Tests of Normality

sampel		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
kdr_protein	original	.277	6	.166	.808	6	.069
	coklat	.357	6	.016	.843	6	.139
	sorbitol	.168	6	.200 [*]	.925	6	.541

a. Lilliefors Significance Correction

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

• Uji Duncan Kadar Lemak

kdr_lemak

Duncan

sampel	N	Subset for alpha = 0.05		
		1	2	3
sorbitol	6	1.6133		
original	6		2.7408	
coklat	6			3.7308
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

❖ Kadar Protein

• Uji Normalitas Kadar Protein

Tests of Normality

sampel		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
kdr_protein	original	.156	6	.200 [*]	.981	6	.955
	coklat	.230	6	.200 [*]	.888	6	.306
	sorbitol	.191	6	.200 [*]	.925	6	.540

a. Lilliefors Significance Correction

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

• Uji Duncan Kadar Protein

kdr_protein

Duncan

sampel	N	Subset for alpha = 0.05	
		1	2
sorbitol	6	6.0833	
coklat	6		6.8537
original	6		7.1587
Sig.		1.000	.098

Means for groups in homogeneous subsets are displayed.

❖ Kadar Karbohidrat

• Uji Normalitas Kadar Karbohidrat

Tests of Normality

sampel		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
kdr_karbo	original	.401	6	.003	.752	6	.021
	coklat	.239	6	.200*	.876	6	.251
	sorbitol	.223	6	.200*	.918	6	.491

a. Lilliefors Significance Correction

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

• Uji Duncan Kadar Karbohidrat

kdr_karbo

Duncan

sampel	N	Subset for alpha = 0.05
		1
original	6	24.9189
sorbitol	6	25.2354
coklat	6	26.9753
Sig.		.222

Means for groups in homogeneous subsets are displayed.

❖ Kadar Serat Pangan

• Uji Normalitas Kadar Serat Pangan

Tests of Normality

sampel		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
serat_pangan	original	.203	6	.200*	.945	6	.697
	coklat	.178	6	.200*	.968	6	.878
	sorbitol	.222	6	.200*	.954	6	.772

a. Lilliefors Significance Correction

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

• Uji Duncan Kadar Serat Pangan

serat_pangan

Duncan

sampel	N	Subset for alpha = 0.05
		1
coklat	6	3.6758
original	6	3.8958
sorbitol	6	4.2442
Sig.		.105

Means for groups in homogeneous subsets are displayed.

❖ Kadar Antioksidan

• Uji Normalitas Kadar Antioksidan

Tests of Normality

sampel		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
antioksidan	original	.207	6	.200 [*]	.945	6	.700
	coklat	.200	6	.200 [*]	.927	6	.555
	sorbitol	.286	6	.136	.831	6	.109

a. Lilliefors Significance Correction

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

• Uji Duncan Kadar Antioksidan

antioksidan

Duncan

sampel	N	Subset for alpha = 0.05	
		1	2
sorbitol	6	19.1626	
coklat	6		39.7682
original	6		41.2155
Sig.		1.000	.679

Means for groups in homogeneous subsets are displayed.

❖ Kadar Vitamin C

• Uji Normalitas Kadar Vitamin C

Tests of Normality

sampel		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
vit_c	original	.133	6	.200 [*]	.984	6	.970
	coklat	.179	6	.200 [*]	.967	6	.868
	sorbitol	.153	6	.200 [*]	.957	6	.793

a. Lilliefors Significance Correction

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

• Uji Duncan Kadar Vitamin C

vit_c

Duncan

sampel	N	Subset for alpha = 0.05
		1
sorbitol	6	1.0890
coklat	6	1.1132
original	6	1.1374
Sig.		.781

Means for groups in homogeneous subsets are displayed.

❖ Kadar Gula Reduksi

• Uji Normalitas Kadar Gula Reduksi

Tests of Normality

sampel		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
gula_red	original	.279	6	.158	.853	6	.168
	coklat	.284	6	.143	.860	6	.189
	sorbitol	.228	6	.200 [*]	.873	6	.237

a. Lilliefors Significance Correction

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

• Uji Duncan Kadar Gula Reduksi

gula_red**Duncan**

sampel	N	Subset for alpha = 0.05	
		1	
coklat	6	.1177	
sorbitol	6	.1440	
original	6	.1649	
Sig.		.349	

Means for groups in homogeneous subsets are displayed.

❖ Total Kalori

• Uji Normalitas Total Kalori

Tests of Normality

sampel		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
kalori	original	.255	6	.200 [*]	.830	6	.107
	coklat	.226	6	.200 [*]	.915	6	.469
	sorbitol	.252	6	.200 [*]	.824	6	.095

a. Lilliefors Significance Correction

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

• Uji Duncan Total Kalori

kalori**Duncan**

sampel	N	Subset for alpha = 0.05		
		1	2	3
sorbitol	6	1.3943E2		
original	6		1.5276E2	
coklat	6			1.6889E2
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

❖ Analisa Sensori

• Uji Kruskal Wallis Analisa Sensori

Test Statistics^{a,b}

	warna	tekstur	rasa	overall
Chi-Square	7.483	20.061	40.063	30.166
df	2	2	2	2
Asymp. Sig.	.024	.000	.000	.000

a. Kruskal Wallis Test

b. Grouping Variable: sampel

• Uji Mann Whitney Analisa Sensori

➤ SCS 1 dengan SCS 2

Test Statistics^a

	warna	tekstur	rasa	overall
Mann-Whitney U	309.000	170.500	66.500	123.000
Wilcoxon W	774.000	635.500	531.500	588.000
Z	-2.168	-4.363	-5.826	-4.998
Asymp. Sig. (2-tailed)	.030	.000	.000	.000

a. Grouping Variable: sampel

➤ SCS 1 dengan SCS 3

Test Statistics^a

	warna	tekstur	rasa	overall
Mann-Whitney U	441.500	353.500	228.500	331.500
Wilcoxon W	906.500	818.500	693.500	796.500
Z	-.132	-1.535	-3.492	-1.901
Asymp. Sig. (2-tailed)	.895	.125	.000	.057

a. Grouping Variable: sampel

➤ SCS 2 dengan SCS 3

Test Statistics^a

	warna	tekstur	rasa	overall
Mann-Whitney U	286.000	265.000	201.500	189.500
Wilcoxon W	751.000	730.000	666.500	654.500
Z	-2.570	-2.907	-3.817	-4.029
Asymp. Sig. (2-tailed)	.010	.004	.000	.000

a. Grouping Variable: sampel

Lampiran 2. Perhitungan Total Kalori *Snack Bar*

Tabel 11. Rekapitulasi Kandungan Gizi Makro

Formula	Batch	Ulangan	Protein (gram)	Lemak (gram)	Karbohidrat (gram)
<i>Snack Bar Original</i>	1	1	13,48	5,4	45,07
		2	12,78	4,3	45,10
		3	13,13	5,8	44,15
	2	1	12,26	4,4	47,64
		2	13,83	5,8	44,05
		3	12,61	4,2	45,23
	Rata-rata			13,02	4,98
<i>Snack Bar Coklat</i>	1	1	12,43	6,7	49,93
		2	11,91	6,6	44,06
		3	12,26	6,2	45,87
	2	1	13,48	5,1	55,21
		2	12,61	6,7	54,23
		3	12,08	9,4	44,68
	Rata-rata			12,46	6,78
<i>Snack Bar Sorbitol</i>	1	1	11,56	4	49,78
		2	11,03	2,4	51,45
		3	10,86	2,3	53,55
	2	1	10,68	3	39,17
		2	10,51	2,7	42,94
		3	11,73	3,2	37,40
	Rata-rata			11,06	2,93

Nilai kalori = (4 kkal/gram protein) + (9 kkal/gram lemak) + (4 kkal/gram karbohidrat)

$$\begin{aligned} \text{Snack Bar Original} &= (4 \times 13,02) + (9 \times 4,98) + (4 \times 45,21) \\ &= 277,75 \text{ kkal} \end{aligned}$$

$$\begin{aligned} \text{Snack Bar Coklat} &= (4 \times 12,46) + (9 \times 6,78) + (4 \times 49,05) \\ &= 307,08 \text{ kkal} \end{aligned}$$

$$\begin{aligned} \text{Snack Bar Sorbitol} &= (4 \times 11,06) + (9 \times 2,93) + (4 \times 45,72) \\ &= 253,50 \text{ kkal} \end{aligned}$$

Lampiran 3. Formulir Analisa Sensori

ANALISA SENSORI SNACK BAR

Tanggal :

Nomer :
 Nama :
 Produk : *Snack bar*

Instruksi :

Di hadapan Anda terdapat 3 sampel *snack bar*. Berilah penilaian pada masing-masing sampel secara berurutan dari kiri ke kanan untuk atribut **warna**, **tekstur**, **rasa**, dan kesukaan Anda terhadap *snack bar* secara keseluruhan (*overall*) dari skala 1 hingga 7, dengan keterangan sebagai berikut :

- 1 : sangat tidak suka sekali
- 2 : sangat tidak suka
- 3 : tidak suka
- 4 : netral
- 5 : suka
- 6 : sangat suka
- 7 : sangat suka sekali.

KodeSampel	Warna	Tekstur	Rasa	Overall

Komentar

Warna _____ :

Tekstur _____ :

Rasa _____ :

Overall _____ :**Terima Kasih**