

## LAMPIRAN

### Lampiran 1. Tabel normalitas

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Tekstur	.349	30	.000	.681	30	.000
air	.413	30	.000	.592	30	.000
Abu	.186	30	.009	.948	30	.145
Lemak	.291	30	.000	.719	30	.000
Serat	.136	30	.161	.968	30	.482
Protein	.117	30	.200*	.975	30	.697

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

a. Lilliefors Significance Correction

### Lampiran 2. Tabel homogenitas

		Levene	df1	df2	Sig.
		Statistic			
Protein	Based on Mean	3.576	4	25	.019
	Based on Median	3.005	4	25	.037
	Based on Median and with adjusted df	3.005	4	18.312	.046
	Based on trimmed mean	3.618	4	25	.019
Tekstur	Based on Mean	1.777	4	25	.165
	Based on Median	1.002	4	25	.425
	Based on Median and with adjusted df	1.002	4	14.794	.437
	Based on trimmed mean	1.678	4	25	.187
air	Based on Mean	1.025	4	25	.413
	Based on Median	.495	4	25	.740
	Based on Median and with adjusted df	.495	4	14.074	.740
	Based on trimmed mean	.829	4	25	.519
Abu	Based on Mean	2.317	4	25	.085
	Based on Median	1.927	4	25	.137
	Based on Median and with adjusted df	1.927	4	14.662	.159
	Based on trimmed mean	2.348	4	25	.082
Lemak	Based on Mean	1.211	4	25	.331
	Based on Median	.998	4	25	.427
	Based on Median and with adjusted df	.998	4	11.887	.446
	Based on trimmed mean	1.185	4	25	.341
Serat	Based on Mean	.743	4	25	.572
	Based on Median	.478	4	25	.751
	Based on Median and with adjusted df	.478	4	20.730	.751
	Based on trimmed mean	.754	4	25	.565

Lampiran 3. Tabel one way ANOVA uji proksimat

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
air	Between Groups	402.836	4	100.709	12284.803	.000
	Within Groups	.082	10	.008		
	Total	402.917	14			
Abu	Between Groups	.730	4	.183	6.029	.010
	Within Groups	.303	10	.030		
	Total	1.033	14			
Lemak	Between Groups	648.637	4	162.159	578.827	.000
	Within Groups	2.802	10	.280		
	Total	651.439	14			
Serat	Between Groups	4.119	4	1.030	13.483	.000
	Within Groups	.764	10	.076		
	Total	4.883	14			
Protein	Between Groups	3.396	4	.849	5.951	.010
	Within Groups	1.427	10	.143		
	Total	4.823	14			

**air**

Duncan<sup>a</sup>

Subset for alpha = 0.05

formulasi	N	1	2	3	4	5
F4 (Minyak sawit)	6	4.0083				
F3 (Minyak kelapa)	6		4.4538			
F1 (margarin)	6			4.9455		
F2 (Mentega)	6				5.6858	
Kontrol	6					17.6540
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.

**Abu**

Tukey HSD<sup>a</sup>

Subset for alpha = 0.05

formulasi	N	1	2
F4 (Minyak sawit)	6	1.4640	
F3 (Minyak kelapa)	6	1.5995	
F2 (Mentega)	6	1.6977	1.6977
F1 (margarin)	6	1.7855	1.7855
Kontrol	6		2.1405
Sig.		.344	.098

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

**Lemak**Duncan<sup>a</sup>

formulasi	N	Subset for alpha = 0.05			
		1	2	3	4
Kontrol	6	8.5023			
F1 (margarin)	6		22.8820		
F2 (Mentega)	6		22.9540		
F3 (Minyak kelapa)	6			25.5315	
F4 (Minyak sawit)	6				26.7122
Sig.		1.000	.888	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

**Serat**Student-Newman-Keuls<sup>a</sup>

formulasi	N	Subset for alpha = 0.05
		1
F2 (Mentega)	6	5.1335
Kontrol	6	5.3853
F1 (margarin)	6	5.4715
F4 (Minyak sawit)	6	5.7543
F3 (Minyak kelapa)	6	5.8230
Sig.		.066

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

**Protein**Student-Newman-Keuls<sup>a</sup>

formulasi	N	Subset for alpha = 0.05
		1
F4 (Minyak sawit)	6	9.1977
F3 (Minyak kelapa)	6	9.2905
F1 (margarin)	6	9.4990
F2 (Mentega)	6	9.7133
Kontrol	6	9.8617
Sig.		.361

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

Lampiran 4. Tabel one way ANOVA uji fisik

**ANOVA**

Tekstur

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1063187.774	4	265796.943	8724.253	.000
Within Groups	304.664	10	30.466		
Total	1063492.438	14			

**Tekstur**

Duncan<sup>a</sup>

Subset for alpha = 0.05

formulasi	N	1	2	3	4	5
F2 (Mentega)	6	875.4417				
F1 (margarin)	6		903.3233			
F3 (Minyak kelapa)	6			975.3550		
F4 (Minyak sawit)	6				1033.4783	
Kontrol	6					1555.7833
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.

Lampiran 5. Tabel kruskal-wallis test

**Test Statistics<sup>a,b</sup>**

	Tekstur	Rasa	Warna	Aroma	Overall
Kruskal-Wallis H	8.202	9.863	2.564	13.104	8.704
df	3	3	3	3	3
Asymp. Sig.	.042	.020	.464	.004	.033

a. Kruskal Wallis Test

b. Grouping Variable: Formulasi

Lampiran 6. Tabel man withney test

F1 dan F2 (Tekstur)

**Test Statistics<sup>a</sup>**

	Tekstur
Mann-Whitney U	402.500
Wilcoxon W	867.500
Z	-.786
Asymp. Sig. (2-tailed)	.432

a. Grouping Variable:  
Formulasi

F1 dan F3 (Tekstur)

**Test Statistics<sup>a</sup>**

Tekstur	
Mann-Whitney U	409.500
Wilcoxon W	874.500
Z	-.661
Asymp. Sig. (2-tailed)	.509

a. Grouping Variable:  
Formulasi

F1 dan F4 (Tekstur)

**Test Statistics<sup>a</sup>**

Tekstur	
Mann-Whitney U	325.500
Wilcoxon W	790.500
Z	-2.014
Asymp. Sig. (2-tailed)	.044

a. Grouping Variable:  
Formulasi

F2 dan F3 (Tekstur)

**Test Statistics<sup>a</sup>**

Tekstur	
Mann-Whitney U	364.000
Wilcoxon W	829.000
Z	-1.408
Asymp. Sig. (2-tailed)	.159

a. Grouping Variable:  
Formulasi

F2 dan F4 (Tekstur)

**Test Statistics<sup>a</sup>**

Tekstur	
Mann-Whitney U	281.000
Wilcoxon W	746.000
Z	-2.738
Asymp. Sig. (2-tailed)	.006

a. Grouping Variable:  
Formulasi

F3 dan F4 (Tekstur)

**Test Statistics<sup>a</sup>**

	Tekstur
Mann-Whitney U	371.000
Wilcoxon W	836.000
Z	-1.270
Asymp. Sig. (2-tailed)	.204

a. Grouping Variable:  
Formulasi

F1 dan F2 (Rasa)

**Test Statistics<sup>a</sup>**

	Rasa
Mann-Whitney U	285.500
Wilcoxon W	750.500
Z	-2.549
Asymp. Sig. (2-tailed)	.011

a. Grouping Variable:  
Formulasi

F1 dan F3 (Rasa)

**Test Statistics<sup>a</sup>**

	Rasa
Mann-Whitney U	327.000
Wilcoxon W	792.000
Z	-1.898
Asymp. Sig. (2-tailed)	.058

a. Grouping Variable:  
Formulasi

F1 dan F4 (Rasa)

**Test Statistics<sup>a</sup>**

	Rasa
Mann-Whitney U	449.000
Wilcoxon W	914.000
Z	-.016
Asymp. Sig. (2-tailed)	.987

a. Grouping Variable:  
Formulasi

F2 dan F3 (Rasa)

**Test Statistics<sup>a</sup>**

Rasa	
Mann-Whitney U	415.000
Wilcoxon W	880.000
Z	-.544
Asymp. Sig. (2-tailed)	.586

a. Grouping Variable:  
Formulasi

F2 dan F4 (Rasa)

**Test Statistics<sup>a</sup>**

Rasa	
Mann-Whitney U	294.500
Wilcoxon W	759.500
Z	-2.395
Asymp. Sig. (2-tailed)	.017

a. Grouping Variable:  
Formulasi

F3 dan F4 (Rasa)

**Test Statistics<sup>a</sup>**

Rasa	
Mann-Whitney U	328.000
Wilcoxon W	793.000
Z	-1.871
Asymp. Sig. (2-tailed)	.061

a. Grouping Variable:  
Formulasi

F1 dan F2 (Aroma)

**Test Statistics<sup>a</sup>**

Aroma	
Mann-Whitney U	279.500
Wilcoxon W	744.500
Z	-2.702
Asymp. Sig. (2-tailed)	.007

a. Grouping Variable:  
Formulasi

F1 dan F3 (Aroma)

**Test Statistics<sup>a</sup>**

	Aroma
Mann-Whitney U	419.500
Wilcoxon W	884.500
Z	-.483
Asymp. Sig. (2-tailed)	.629

a. Grouping Variable:  
Formulasi

F1 dan F4 (Aroma)

**Test Statistics<sup>a</sup>**

	Aroma
Mann-Whitney U	395.000
Wilcoxon W	860.000
Z	-.856
Asymp. Sig. (2-tailed)	.392

a. Grouping Variable:  
Formulasi

F2 dan F3 (Aroma)

**Test Statistics<sup>a</sup>**

	Aroma
Mann-Whitney U	308.500
Wilcoxon W	773.500
Z	-2.264
Asymp. Sig. (2-tailed)	.024

a. Grouping Variable:  
Formulasi

F2 dan F4 (Aroma)

**Test Statistics<sup>a</sup>**

	Aroma
Mann-Whitney U	237.000
Wilcoxon W	702.000
Z	-3.334
Asymp. Sig. (2-tailed)	.001

a. Grouping Variable:  
Formulasi



F3 dan F4 (Aroma)

**Test Statistics<sup>a</sup>**

	Aroma
Mann-Whitney U	367.000
Wilcoxon W	832.000
Z	-1.302
Asymp. Sig. (2-tailed)	.193

a. Grouping Variable:  
Formulasi

F1 dan F2 (Overall)

**Test Statistics<sup>a</sup>**

	Overall
Mann-Whitney U	328.500
Wilcoxon W	793.500
Z	-1.946
Asymp. Sig. (2-tailed)	.052

a. Grouping Variable:  
Formulasi

F1 dan F3 (Overall)

**Test Statistics<sup>a</sup>**

	Overall
Mann-Whitney U	417.000
Wilcoxon W	882.000
Z	-.526
Asymp. Sig. (2-tailed)	.599

a. Grouping Variable:  
Formulasi

F1 dan F4 (Overall)

**Test Statistics<sup>a</sup>**

	Overall
Mann-Whitney U	375.500
Wilcoxon W	840.500
Z	-1.179
Asymp. Sig. (2-tailed)	.239

a. Grouping Variable:  
Formulasi

F2 dan F3 (Overall)

**Test Statistics<sup>a</sup>**

	Overall
Mann-Whitney U	368.000
Wilcoxon W	833.000
Z	-1.305
Asymp. Sig. (2-tailed)	.192

a. Grouping Variable:  
Formulasi

F2 dan F4 (Overall)

**Test Statistics<sup>a</sup>**

	Overall
Mann-Whitney U	273.500
Wilcoxon W	738.500
Z	-2.765
Asymp. Sig. (2-tailed)	.006

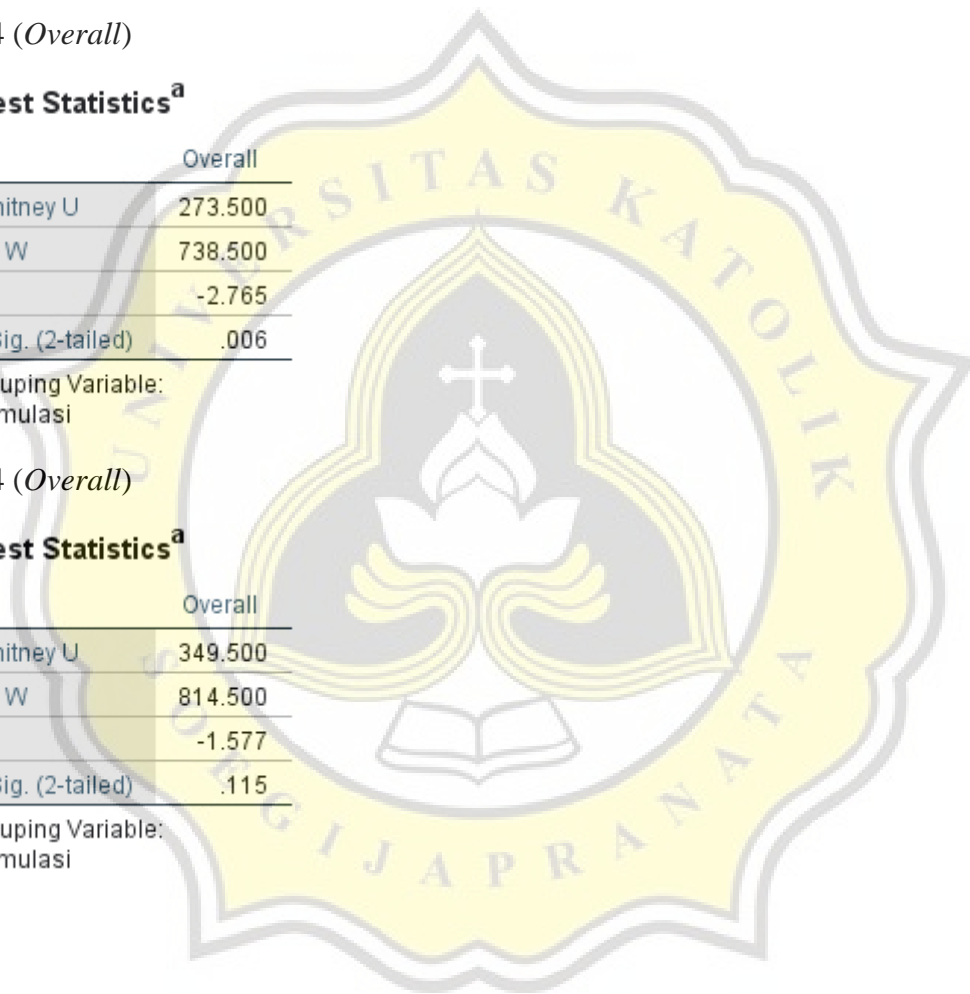
a. Grouping Variable:  
Formulasi

F3 dan F4 (Overall)

**Test Statistics<sup>a</sup>**

	Overall
Mann-Whitney U	349.500
Wilcoxon W	814.500
Z	-1.577
Asymp. Sig. (2-tailed)	.115

a. Grouping Variable:  
Formulasi



## Lampiran 7. Lembar kuesioner

**Worksheet Uji Rating Hedonik**

Tanggal Pengujian :

Jenis Sampel : Biskuit non gluten

<b>Identifikasi Sampel</b>	<b>Kode</b>
Biskuit non gluten dengan menggunakan Margarin	A
Biskuit non gluten dengan menggunakan Mentega	B
Biskuit non gluten dengan menggunakan Minyak Kelapa	C
Biskuit non gluten dengan menggunakan Minyak Kelapa Sawit	D

**Kode Kombinasi Urutan Penyajian**

A, B, C, D = 1      B, A, C, D = 2      C, D, B, A = 3

**Penyajian :**

<b>Panelis</b>	<b>Kode Sampel</b> urutan penyajian
1, 4, 7, 10, 13, 16,19,22,25,28	411,342,667,233 <sup>1</sup>
2, 5, 8, 11, 14, 17,20,23,26,29	342,411,667,233 <sup>2</sup>
3, 6, 9, 12, 15, 18,21, 24,27,30	667,233,342,411 <sup>3</sup>

**Rekap Kode Sampel :**

<b>Sampel A</b>	411
<b>Sampel B</b>	342
<b>Sampel C</b>	667
<b>Sampel D</b>	233

### Scoresheet Uji Rating Hedonik

#### Uji Rating Hedonik

Panelis :

Tanggal :

Produk : Biskuit non gluten

Terbiasa dengan produk makanan gluten : Ya / Tidak

#### Instruksi

Di hadapan Anda terdapat empat sampel biskuit non gluten. Tulislah terlebih dahulu kode sampel secara berurutan dari kiri ke kanan. Cicipilah sampel secara berurutan dari kiri ke kanan. Setiap sebelum berganti sampel, Anda diminta untuk berkumur-kumur terlebih dahulu dengan air putih yang ada dihadapan Anda. Setelah mencicipi semua sampel, Anda boleh mengulang sesering yang Anda perlukan. Nilai setiap atribut sampel dari yang disukai sampai yang tidak disukai dengan menulis angka :

- 1 = sangat tidak suka (*dislike extremely*)
- 2 = agak tidak suka (*dislike slightly*)
- 3 = netral (*neither like or dislike*)
- 4 = agak suka (*like slightly*)
- 5 = sangat suka (*like extremely*)

Sampel	Tekstur	Rasa	Warna	Aroma	Overall

### Pernyataan Persetujuan Panelis

#### Persetujuan Panelis Pengujian Sensori

Saya yang bertanda tangan dibawah ini,

Nama :

NIM :

No. Telp/ID Line :

Bersama dengan ini menyatakan kesediaannya untuk melakukan pengujian sensori biskuit non gluten dengan menggunakan jenis lemak yang berbeda sebagai panelis dalam pemeriksaan atribut tekstur, rasa, warna, aroma, *overall*

Demikian surat persetujuan ini saya tanda tangani tanpa ada paksaan dari pihak manapun dan agar dipergunakan sebagaimana mestinya.

Mengetahui,  
Penguji

Semarang,  
Panelis

2021

(.....)

(.....)

## Lampiran 8. Hasil antiplagiasi

## Similarity Report

PAPER NAME

**18.I1.0063.docx**

WORD COUNT

**11039 Words**

CHARACTER COUNT

**65218 Characters**

PAGE COUNT

**41 Pages**

FILE SIZE

**71.7KB**

SUBMISSION DATE

**Jun 2, 2022 9:16 AM GMT+7**

REPORT DATE

**Jun 2, 2022 9:19 AM GMT+7**

- **18% Overall Similarity**

The combined total of all matches, including overlapping sources, for each database.

- 17% Internet database
- 3% Publications database
- Crossref database
- Crossref Posted Content database
- 8% Submitted Works database

- **Excluded from Similarity Report**

- Bibliographic material
- Quoted material
- Cited material
- Small Matches (Less than 12 words)
- Manually excluded text blocks