

LAMPIRAN

Lampiran 1. Formulir Uji Organoleptik (Uji Hedonik)

FORMULIR UJI HEDONIK

Nama Panelis :
Tanggal Pengujian :
Jenis Produk : *Cookies* Tempe dan Daun Kelor
Petunjuk :

1. Dihadapan anda telah disajikan 4 macam *cookies* Tempe dan Daun Kelordengan kode sampel yang berbeda-beda. Cicipilah sampel satu per satu.
2. Pada kolom kode sampel, berikan penilaian anda dengan cara memasukkan nomor (lihat keterangan yang ada di bawah tabel) berdasarkan tingkat kesukaan.
3. Netralkan indra pengecap anda, dengan berkumur-kumur menggunakan air yang telah disediakan.
4. Jangan membandingkan tingkat kesukaan antar sampel.

Penilaian:

- 1 = Tidak Suka
- 2 = Kurang Suka
- 3 = Agak Suka
- 4 = Suka
- 5 = Sangat Suka

Parameter	Kode Sampel			
	A0	A1	A2	A3
Rasa				
Warna				
Tekstur				
Aroma				

Lampiran 2. Hasil Uji Hedonik terhadap Warna *Cookies* Tempe dan Daun Kelor

Panelis	Perlakuan				Total
	A0	A1	A2	A3	
	126	226	160	552	
1	4	4	3	2	13
2	4	4	3	2	13
3	4	4	2	1	11
4	4	4	2	1	11
5	3	4	4	3	14
6	4	4	3	3	14
7	4	4	3	2	13
8	3	4	3	3	13
9	4	4	3	3	14
10	4	4	4	3	15
11	4	4	4	3	15
12	4	5	4	4	17
13	3	4	4	4	15
14	3	3	4	1	11
15	3	4	4	3	14
16	4	3	3	3	13
17	4	4	4	2	14
18	3	4	3	3	13
19	4	4	3	2	13
20	4	4	4	4	16
Jumlah	74	79	67	52	272
Rata – Rata	3,7	3,95	3,35	2,6	13,6

Lampiran 3. Hasil Uji Hedonik terhadap Rasa *Cookies* Tempe dan Daun Kelor

Panelis	Perlakuan				Total
	A0	A1	A2	A3	
	126	226	160	552	
1	4	4	3	1	12
2	3	4	3	3	13
3	4	4	2	1	11
4	4	3	1	1	9
5	4	3	2	1	10
6	4	4	3	3	14
7	3	3	2	2	10
8	3	4	3	2	12
9	4	4	3	3	14
10	4	4	3	2	13
11	3	4	3	3	13
12	5	5	4	4	18
13	3	4	2	2	11
14	4	4	3	1	12
15	3	3	3	2	11
16	4	4	3	3	14
17	4	4	2	2	12
18	3	4	3	3	13
19	4	3	2	2	11
20	4	4	3	3	14
Jumlah	74	76	53	44	247
Rata – Rata	3,7	3,8	2,65	2,2	12,35

Lampiran 4. Hasil Uji Hedonik terhadap Tekstur *Cookies* Tempe dan Daun Kelor

Panelis	Perlakuan				Total
	A0	A1	A2	A3	
	126	226	160	552	
1	4	4	3	3	14
2	4	4	3	3	14
3	4	4	2	1	11
4	4	3	2	1	10
5	4	4	2	1	11
6	4	4	3	2	13
7	4	3	3	3	13
8	3	4	3	2	12
9	4	4	3	3	14
10	3	5	3	3	14
11	4	4	3	3	14
12	4	4	3	2	13
13	3	5	3	3	14
14	3	5	3	3	14
15	3	4	3	2	12
16	4	3	3	3	13
17	4	4	2	2	12
18	3	3	3	3	12
19	4	4	2	2	12
20	4	4	3	3	14
Jumlah	74	79	55	48	256
Rata – Rata	3,7	3,95	2,75	2,4	12,8

Lampiran 5. Hasil Uji Hedonik terhadap Aroma *Cookies* Tempe dan Daun Kelor

Panelis	Perlakuan				Total
	A0	A1	A2	A3	
	126	226	160	552	
1	4	3	2	2	11
2	3	4	2	1	10
3	4	4	2	1	11
4	4	4	2	1	11
5	3	4	2	2	11
6	3	4	3	3	13
7	4	3	3	3	13
8	3	4	1	1	9
9	4	3	2	2	11
10	4	3	3	2	12
11	3	4	4	3	14
12	3	4	3	2	12
13	3	3	2	2	10
14	4	4	2	1	11
15	4	3	2	2	11
16	3	4	3	2	12
17	3	4	3	2	12
18	4	4	3	2	13
19	4	3	2	2	11
20	4	4	3	3	14
	71	73	49	39	232
	3,55	3,65	2,45	1,95	11,6

Lampiran 6. Hasil Analisis Data Statistik Uji Normalitas dan Uji Kruskal Wallis

A. Warna
Uji Normalitas (*Shapiro –Wilk*)

	Tests of Normality					
	Kolmogorov-Smirnov^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Warna A0	.438	20	.000	.580	20	.000
Standardized Residual for Warna A1	.450	20	.000	.545	20	.000
Standardized Residual for Warna A2	.284	20	.000	.773	20	.000
Standardized Residual for Warna A3	.265	20	.001	.876	20	.015

a. Lilliefors Significance Correction

Uji Kruskal Wallis

	Descriptive Statistics				
	N	Mean	Std. Deviation	Minimum	Maximum
warna	80	3.40	.821	1	5
perlakuan	80	2.50	1.125	1	4

Ranks				Test Statistics^{a,b}	
	perlakuan	N	Mean Rank		warna
	A0	20	47.65	Chi-Square	30.099
	A1	20	55.65	df	3
	A2	20	37.38	Asymp. Sig.	.000
warna	A3	20	21.33	a. Kruskal Wallis Test	
	Total	80		b. Grouping Variable: perlakuan	

Homogeneous Subsets

Warna

Duncan		Subset For Alpha = 0.05		
Perlakuan	N	1	2	3
A3	20	2.60		
A2	20		3.35	
A0	20		3.70	3.70
A1	20			3.95
Sig.		1.000	.095	.230

B. Rasa

Uji Normalitas (*Shapiro –Wilk*)

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Rasa A0	.350	20	.000	.736	20	.000
Standardized Residual for Rasa A1	.399	20	.000	.695	20	.000
Standardized Residual for Rasa A2	.349	20	.000	.796	20	.001
Standardized Residual for Rasa A3	.214	20	.017	.869	20	.011

a. Lilliefors Significance Correction

Uji Kruskal Wallis

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
rasa	80	3.09	.957	1	5
perlakuan	80	2.50	1.125	1	4

Ranks				Test Statistics^{a,b}	
perlakuan	N	Mean Rank	rasa		
A0	20	54.93	Chi-Square	43.192	
A1	20	57.88	df	3	
rasa A2	20	28.30	Asymp. Sig.	.000	
A3	20	20.90	a. Kruskal Wallis Test		
Total	80		b. Grouping Variable: perlakuan		

Homogeneous Subsets

		Rasa		
Duncan		Subset For Alpha = 0.05		
Perlakuan	N	1	2	3
A3	20	2.20		
A2	20		2.65	
A0	20			3.70
A1	20			3.80
Sig.		1.000	1.000	.643

C. Aroma

Uji Normalitas (*Shapiro –Wilk*)

	Tests of Normality					
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Aroma A0	.361	20	.000	.637	20	.000
Standardized Residual for Aroma A1	.413	20	.000	.608	20	.000
Standardized Residual for Aroma A2	.294	20	.000	.829	20	.002
Standardized Residual for Aroma A3	.279	20	.000	.807	20	.001

a. Lilliefors Significance Correction

Uji Kruskal Wallis

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
aroma	80	2.90	.936	1	4
perlakuan	80	2.50	1.125	1	4

Ranks

	perlakuan	N	Mean Rank
aroma	A0	20	56.08
	A1	20	58.73
	A2	20	28.68
	A3	20	18.53
	Total	80	

Test Statistics^{a,b}

	aroma
Chi-Square	48.831
df	3
Asymp. Sig.	.000

a. Kruskal Wallis Test

b. Grouping Variable:
perlakuan

Homogeneous Subsets

Aroma

Duncan		Subset For Alpha = 0.05		
Perlakuan	N	1	2	3
A3	20	1.95		
A2	20		2.45	
A0	20			3.55
A1	20			3.65
Sig.		1.000	1.000	.600

D. Tekstur

Uji Normalitas (*Shapiro –Wilk*)

	Tests of Normality					
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Tekstur A0	.438	20	.000	.580	20	.000
Standardized Residual for Tekstur A1	.333	20	.000	.768	20	.000
Standardized Residual for Tekstur A2	.463	20	.000	.544	20	.000
Standardized Residual for Tekstur A3	.337	20	.000	.740	20	.000

a. Lilliefors Significance Correction

Uji Kruskal Wallis

	Descriptive Statistics				
	N	Mean	Std. Deviation	Minimum	Maximum
tekstur	80	3.19	.843	1	5
perlakuan	80	2.50	1.125	1	4

Ranks				Test Statistics^{a,b}	
	perlakuan	N	Mean Rank	tekstur	
	A0	20	54.90	Chi-Square	49.320
	A1	20	59.60	df	3
tekstur	A2	20	26.63	Asymp. Sig.	.000
	A3	20	20.88	a. Kruskal Wallis Test	
	Total	80		b. Grouping Variable: perlakuan	

Homogeneous Subsets

Tekstur			
Duncan			
Perlakuan	N	Subset For Alpha =	
		0.05	
		1	2
A3	20	2.40	
A2	20	2.75	
A0	20		3.70
A1	20		3.95
Sig.		.055	.269

Lampiran 7. Dokumentasi

a. Pengujian Organoleptik



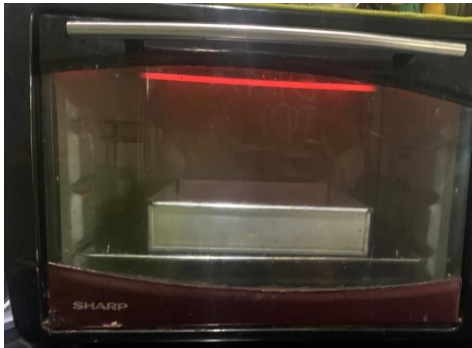
b. Tepung Tempe



Tempe



Dipotong Tipis - Tipis



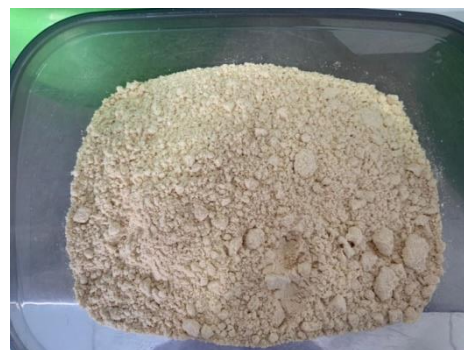
Dioven Selama 7 Jam Dengan Suhu 70°C



Setelah Kering, Tempe Diblender Hingga Halus



Tepung Tempe Diayak



Tepung Tempe

c. Tepung Daun Kelor



Daun Kelor



Dicuci Lalu Dikeringkan Dibawah Sinar Matahari



Daun Kelor Kering



Daun Kelor Kering Diblender Hingga Halus



Daun Kelor Halus Diayak



Tepung Daun Kelor

