

## 7. LAMPIRAN

### 7.1. SPSS

#### 7.1.1. ANTIOKSIDAN

##### Tests of Normality

perlakuan	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
akt.antioksidan noncacah_36	.205	6	.200(*)	.911	6	.442
noncacah_48	.182	6	.200(*)	.902	6	.388
noncacah_60	.184	6	.200(*)	.933	6	.606
cacah_36	.268	6	.200(*)	.883	6	.284
cacah_48	.183	6	.200(*)	.940	6	.662
cacah_60	.264	6	.200(*)	.818	6	.084

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

a Lilliefors Significance Correction

##### akt.antioksidan

##### Duncan

perlakuan	N	Subset for alpha = .05
	1	1
noncacah_36	6	91.9310
noncacah_48	6	92.0299
noncacah_60	6	92.1069
Sig.		.726

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

##### akt.antioksidan

##### Duncan

perlakuan	N	Subset for alpha = .05	
		1	2
cacah_36	6	93.0621	
cacah_48	6	93.4851	93.4851
cacah_60	6		94.0730
Sig.		.191	.076

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

## ANOVA

akt.antioksidan\_36jam

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.838	1	3.838	7.328	.022
Within Groups	5.237	10	.524		
Total	9.075	11			

## ANOVA

akt.antioksidan\_48jam

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8.207	2	4.103	6.229	.020
Within Groups	5.929	9	.659		
Total	14.135	11			

## ANOVA

akt.antioksidan\_60jam

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	11.597	1	11.597	47.972	.000
Within Groups	2.417	10	.242		
Total	14.014	11			

## 7.1.2. PROKSIMAT

## Tests of Normality

perlakuan		Kolmogorov-Smirnov(a)			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
kadar_air	biji	.286	6	.135	.728	6	.012
	noncacah_36	.156	6	.200(*)	.963	6	.842
	noncacah_48	.189	6	.200(*)	.939	6	.649
	noncacah_60	.224	6	.200(*)	.872	6	.235
	cacah_36	.182	6	.200(*)	.931	6	.587
	cacah_48	.233	6	.200(*)	.904	6	.396
	cacah_60	.187	6	.200(*)	.934	6	.610
kadar_abu	biji	.267	6	.200(*)	.914	6	.466
	noncacah_36	.162	6	.200(*)	.971	6	.900
	noncacah_48	.228	6	.200(*)	.955	6	.783
	noncacah_60	.162	6	.200(*)	.971	6	.900
	cacah_36	.231	6	.200(*)	.937	6	.631
	cacah_48	.238	6	.200(*)	.898	6	.365
	cacah_60	.172	6	.200(*)	.961	6	.824
Protein	biji	.262	6	.200(*)	.794	6	.052
	noncacah_36	.170	6	.200(*)	.948	6	.727
	noncacah_48	.255	6	.200(*)	.907	6	.419
	noncacah_60	.254	6	.200(*)	.952	6	.758
	cacah_36	.302	6	.092	.860	6	.190
	cacah_48	.275	6	.174	.853	6	.167
	cacah_60	.182	6	.200(*)	.900	6	.374
Lemak	biji	.184	6	.200(*)	.947	6	.713
	noncacah_36	.219	6	.200(*)	.954	6	.774
	noncacah_48	.245	6	.200(*)	.865	6	.206
	noncacah_60	.243	6	.200(*)	.917	6	.484
	cacah_36	.177	6	.200(*)	.912	6	.450
	cacah_48	.224	6	.200(*)	.981	6	.826
	cacah_60	.224	6	.200(*)	.961	6	.826
serat_kasar	biji	.363	6	.174	.816	6	.081
	noncacah_36	.207	6	.200(*)	.955	6	.782
	noncacah_48	.211	6	.200(*)	.884	6	.287
	noncacah_60	.159	6	.200(*)	.976	6	.932
	cacah_36	.259	6	.200(*)	.910	6	.439
	cacah_48	.228	6	.200(*)	.926	6	.547
	cacah_60	.229	6	.200(*)	.884	6	.288
KH	biji	.156	6	.200(*)	.955	6	.780
	noncacah_36	.235	6	.200(*)	.848	6	.153
	noncacah_48	.249	6	.200(*)	.903	6	.395
	noncacah_60	.159	6	.200(*)	.959	6	.813
	cacah_36	.240	6	.200(*)	.895	6	.345
	cacah_48	.245	6	.200(*)	.850	6	.157
	cacah_60	.261	6	.200(*)	.911	6	.443

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

a Lilliefors Significance Correction

## KADAR AIR

## ANOVA

kadar air noncacah cacah 36

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.853	1	.853	2.325	.158
Within Groups	3.670	10	.367		
Total	4.523	11			

## ANOVA

kadar air noncacah cacah 48

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.600	1	.600	1.542	.243
Within Groups	3.890	10	.389		
Total	4.490	11			

## ANOVA

kadar air noncacah cacah 60

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.056	1	.056	.165	.693
Within Groups	3.403	10	.340		
Total	3.459	11			

kadar\_air

## Duncan

perlakuan	N	Subset for alpha = .05	
		1	2
noncacah_48	6	58.3528	
noncacah_36	6		59.3888
noncacah_60	6		59.9195
Sig.		1.000	.165

Means for groups in homogeneous subsets are displayed.  
 a. Uses Harmonic Mean Sample Size = 6.000.

## kadar\_air

Duncan

perlakuan	N	Subset for alpha = .05	
	1	2	1
cacah_48	6	58.8000	
cacah_36	6	58.8555	
cacah_60	6		60.0562
Sig.		.870	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

## KADAR ABU

## ANOVA

kadar abu noncacah cacah 36

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.004	1	.004	1.078	.324
Within Groups	.042	10	.004		
Total	.046	11			

## ANOVA

kadar abu noncacah cacah 48

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.008	1	.008	1.097	.320
Within Groups	.073	10	.007		
Total	.082	11			

## ANOVA

kadar abu noncacah cacah 60

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.006	1	.006	.220	.649
Within Groups	.284	10	.026		
Total	.270	11			

## kadar\_abu

Duncan

perlakuan	N	Subset for alpha = .05	
	1	2	1
noncacah_36	6	.5348	
noncacah_48	6	.6383	.6383
noncacah_60	6		.7620
Sig.		.132	.076

Means for groups in homogeneous subsets are displayed.  
a Uses Harmonic Mean Sample Size = 6.000.

## kadar\_abu

Duncan

perlakuan	N	Subset for alpha = .05	
	1	2	1
cacah_36	6	.4982	
cacah_48	6	.5865	.5865
cacah_60	6		.7180
Sig.		.184	.081

Means for groups in homogeneous subsets are displayed.  
a Uses Harmonic Mean Sample Size = 6.000.

## PROTEIN

## ANOVA

kadar\_prot 36

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5.846	1	5.846	8.072	.018
Within Groups	7.243	10	.724		
Total	13.089	11			

## ANOVA

kadar\_prot 48

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5.381	1	5.381	6.141	.033
Within Groups	8.763	10	.876		
Total	14.145	11			

## ANOVA

kadar prot 60

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.574	1	.574	.682	.428
Within Groups	8.419	10	.842		
Total	8.992	11			

kadar\_prot

Duncan

perlakuan	N	Subset for alpha = .05			
	1	2	3	1	
noncacah_60	6	13.5600			
noncacah_48	6		14.7482		
noncacah_36	6			15.9188	
Sig.		1.000	1.000	1.000	

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

kadar\_prot

Duncan

perlakuan	N	Subset for alpha = .05	
	1	2	1
cacah_60	6	13.1227	
cacah_48	6	13.4088	
cacah_36	6		14.5228
Sig.		.579	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

## LEMAK

## ANOVA

kadar lemak noncacah cacah 36

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.375	1	1.375	14.724	.003
Within Groups	.934	10	.093		
Total	2.309	11			

## ANOVA

kadar lemak\_noncakah\_cacah\_48

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.418	1	1.418	9.942	.010
Within Groups	1.426	10	.143		
Total	2.844	11			

## ANOVA

kadar lemak\_noncakah\_cacah\_60

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.265	1	1.265	37.276	.000
Within Groups	.339	10	.034		
Total	1.604	11			

kadar lemak

Duncan

	N	Subset for alpha = .05
	1	1
perlakuan		
cacah_60	6	3.2037
cacah_48	6	3.4145
cacah_36	6	3.4908
Sig.		.082

Means for groups in homogeneous subsets are displayed.  
 a Uses Harmonic Mean Sample Size = 6.000.

lemak

Duncan

	N	Subset for alpha = .05
	1	1
perlakuan		
noncakah_60	6	3.8530
noncakah_48	6	4.1020
noncakah_36	6	4.1678
Sig.		.148

Means for groups in homogeneous subsets are displayed.  
 a Uses Harmonic Mean Sample Size = 6.000.



## SERAT KASAR

## ANOVA

serat kasar noncakah cacah 36

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.484	1	.484	1.347	.273
Within Groups	3.596	10	.360		
Total	4.080	11			

## ANOVA

serat kasar noncakah cacah 48

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.587	1	1.587	2.291	.161
Within Groups	6.927	10	.693		
Total	8.514	11			

## ANOVA

serat kasar noncakah cacah 60

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.420	1	.420	.476	.506
Within Groups	8.819	10	.882		
Total	9.238	11			

serat\_kasar

## Duncan

perlakuan	N	Subset for alpha = .05	
	1	2	1
cacah_36	6	2.5153	
cacah_48	6	2.8863	
cacah_60	6		3.8650
Sig.		.333	1.000

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

serat\_kasar

Duncan

perlakuan	N	Subset for alpha = .05	
	1	2	1
noncacah_36	6	2.1135	
noncacah_48	6	2.1590	
noncacah_60	6		3.4910
Sig.		.934	1.000

Means for groups in homogeneous subsets are displayed.  
a. Uses Harmonic Mean Sample Size = 6.000.

KH

ANOVA

KH noncacah cacah 36

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	21.470	1	21.470	18.684	.002
Within Groups	11.491	10	1.149		
Total	32.960	11			

ANOVA

KH noncacah cacah 48

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8.267	1	8.267	6.206	.032
Within Groups	13.321	10	1.332		
Total	21.588	11			

ANOVA

KH noncacah cacah 60

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.761	1	1.761	2.680	.133
Within Groups	6.571	10	.657		
Total	8.332	11			

**KH****Duncan**

	N	Subset for alpha = .05
	perlakuan	1
cacah_36	6	21.0257
cacah_48	6	22.1588
cacah_60	6	21.8995
Sig.		.178

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

**KH****Duncan**

	N	Subset for alpha = .05
	perlakuan	1
cacah_36	6	22.6933
cacah_48	6	23.7902
cacah_60	6	21.7202
Sig.		.178

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

**7.1.3. SENSORI****Tempe Kacang Koro Benguk Mentah****Warna****Duncan**

sampel	N	Subset for alpha = 0.05		
		1	2	3
cacah_36	30	3.4333		
noncacah_36	30	3.6667	3.6667	
cacah_60	30	4.0333	4.0333	4.0333
cacah_48	30	4.1333	4.1333	4.1333
noncacah_48	30		4.4333	4.4333
noncacah_60	30			4.7333
Sig.		.144	.108	.144

Means for groups in homogeneous subsets are displayed.

## Aroma

Duncan

sampel	N	Subset for alpha = 0.05		
		1	2	3
cacah_60	30	2.6000		
noncacah_48	30	3.3333	3.3333	
noncacah_60	30	3.5000	3.5000	
noncacah_36	30		3.8333	3.8333
cacah_48	30		4.1000	4.1000
cacah_36	30			4.5333
Sig.		.059	.122	.143

Means for groups in homogeneous subsets are displayed.

## Tekstur

Duncan

sampel	N	Subset for alpha = 0.05	
		1	2
cacah_36	30	3.0000	
noncacah_36	30	3.0667	
noncacah_60	30	3.7000	3.7000
cacah_60	30	3.7000	3.7000
noncacah_48	30	3.9667	3.9667
cacah_48	30		4.3333
Sig.		.056	.204

Means for groups in homogeneous subsets are displayed.

## Overall

## Duncan

sampel	N	Subset for alpha = 0.05	
		1	2
noncacah_36	30	3.0000	
cacah_36	30	3.4333	3.4333
noncacah_60	30	3.8667	3.8667
cacah_48	30		4.0000
noncacah_48	30		4.0667
cacah_60	30		4.1333
Sig.		.062	.159

## Tempe Kacang Koro Benguk Goreng

## Warna

## Duncan

sampel	N	Subset for alpha = 0.05		
		1	2	3
noncacah_36	30	2.1667		
noncacah_60	30	2.8333	2.8333	
cacah_36	30	2.9667	2.9667	
noncacah_48	30	3.0333	3.0333	
cacah_48	30		3.6667	3.6667
cacah_60	30			4.3000
Sig.		.057	.068	.130

Means for groups in homogeneous subsets are displayed.

### Aroma

#### Duncan

sampel	N	Subset for alpha = 0.05		
		1	2	3
noncacah_36	30	2.8667		
noncacah_60	30	3.4000	3.4000	
cacah_36	30	3.6000	3.6000	3.6000
cacah_48	30		4.1000	4.1000
cacah_60	30		4.3000	4.3000
noncacah_48	30			4.4333
Sig.		.121	.065	.088

Means for groups in homogeneous subsets are displayed.

### Tekstur

#### Duncan

sampel	N	Subset for alpha = 0.05		
		1	2	3
noncacah_36	30	1.7667		
noncacah_60	30		3.1667	
noncacah_48	30		3.2667	
cacah_36	30		3.3667	
cacah_48	30			4.4333
cacah_60	29			4.6207
Sig.		1.000	.607	.606

Means for groups in homogeneous subsets are displayed.

### Rasa

#### Duncan

sampel	N	Subset for alpha = 0.05
		1
noncacah_60	30	3.1667

cacah_36	30	3.3667
noncacah_48	30	3.5333
noncacah_36	30	4.1000
cacah_60	30	4.1000
cacah_48	30	4.3333
Sig.		.444

Means for groups in homogeneous subsets are displayed.

overall

Duncan

sampel	N	Subset for alpha = 0.05				
		1	2	3	4	5
noncacah_36	30	2.1333				
noncacah_60	30	2.6333	2.6333			
noncacah_48	30		3.4000	3.4000		
cacah_36	30			3.7000	3.7000	
cacah_48	30				4.4000	4.4000
cacah_60	30					4.6333
Sig.		.208	.054	.449	.078	.556

Means for groups in homogeneous subsets are displayed.

--	--	--	--	--	--	--

## 7.2. SENSORI

### UJI RATING HEDONIK

Nama : Tanggal :

Produk : Tempe Kacang Koro Benguk Mentah

Kriteria : Warna

Instruksi :

Di hadapan Anda terdapat 6 sampel tempe koro benguk.

Amatilah masing-masing sampel, dan berilah skor (1) untuk sampel yang paling tidak disukai hingga skor (7) untuk sampel yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

-----

-----

-----

### UJI RATING HEDONIK

Nama : Tanggal :

Produk : Tempe Kacang Koro Benguk Mentah

Kriteria : Tekstur

Instruksi :

Di hadapan Anda terdapat 6 sampel tempe koro benguk.

Amatilah masing-masing sampel, dan berilah skor (1) untuk sampel yang paling tidak disukai hingga skor (7) untuk sampel yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

-----

-----

-----



## UJI RATING HEDONIK

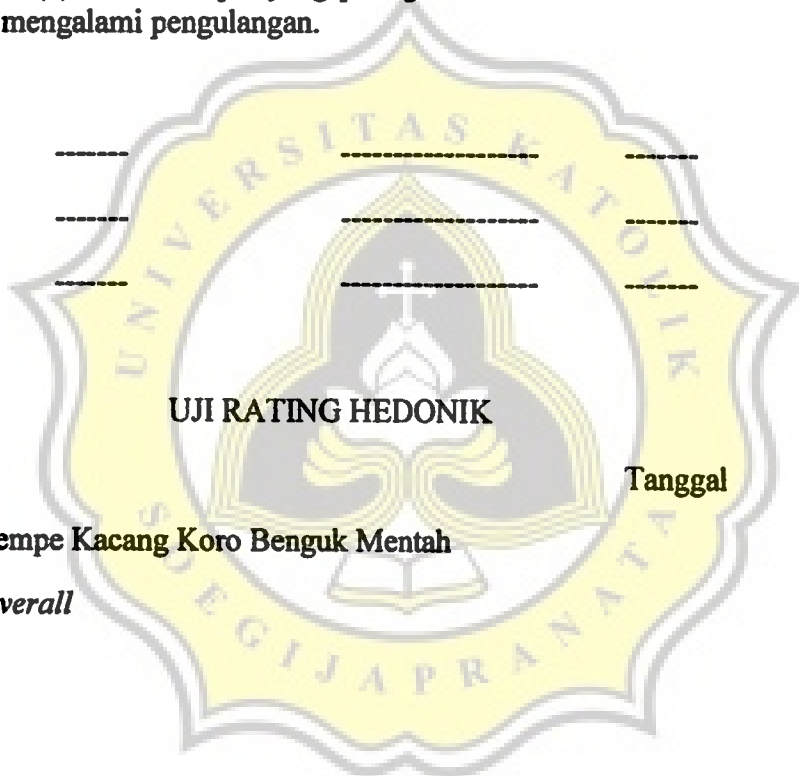
Nama : \_\_\_\_\_ Tanggal : \_\_\_\_\_  
 Produk : **Tempe Kacang Koro Benguk Mentah**  
 Kriteria : **Aroma**

Instruksi :

Di hadapan Anda terdapat 6 sampel tempe koro benguk.

Amatilah masing-masing sampel, dan berilah skor (1) untuk sampel yang paling tidak disukai hingga skor (7) untuk sampel yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

-----  
 -----  
 -----



Nama : \_\_\_\_\_ Tanggal : \_\_\_\_\_  
 Produk : **Tempe Kacang Koro Benguk Mentah**  
 Kriteria : **Overall**

Instruksi :

Di hadapan Anda terdapat 6 sampel tempe koro benguk.

Amatilah masing-masing sampel, dan berilah skor (1) untuk sampel yang paling tidak disukai hingga skor (7) untuk sampel yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

-----  
 -----  
 -----

## UJI RATING HEDONIK

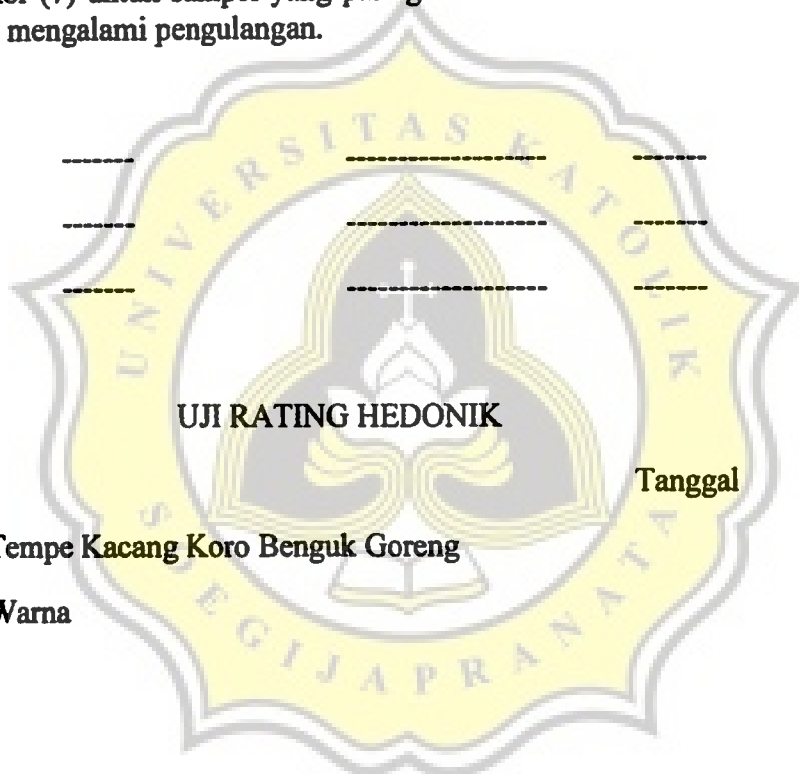
Nama : \_\_\_\_\_ Tanggal : \_\_\_\_\_  
 Produk : Tempe Kacang Koro Benguk Goreng  
 Kriteria : Rasa

Instruksi :

Di hadapan Anda terdapat 6 sampel tempe koro benguk.

Amatilah masing-masing sampel, dan berilah skor (1) untuk sampel yang paling tidak disukai hingga skor (7) untuk sampel yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

-----  
 -----  
 -----



Nama : \_\_\_\_\_ Tanggal : \_\_\_\_\_  
 Produk : Tempe Kacang Koro Benguk Goreng  
 Kriteria : Warna

Instruksi :

Di hadapan Anda terdapat 6 sampel tempe koro benguk.

Amatilah masing-masing sampel, dan berilah skor (1) untuk sampel yang paling tidak disukai hingga skor (7) untuk sampel yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

-----  
 -----  
 -----

## UJI RATING HEDONIK

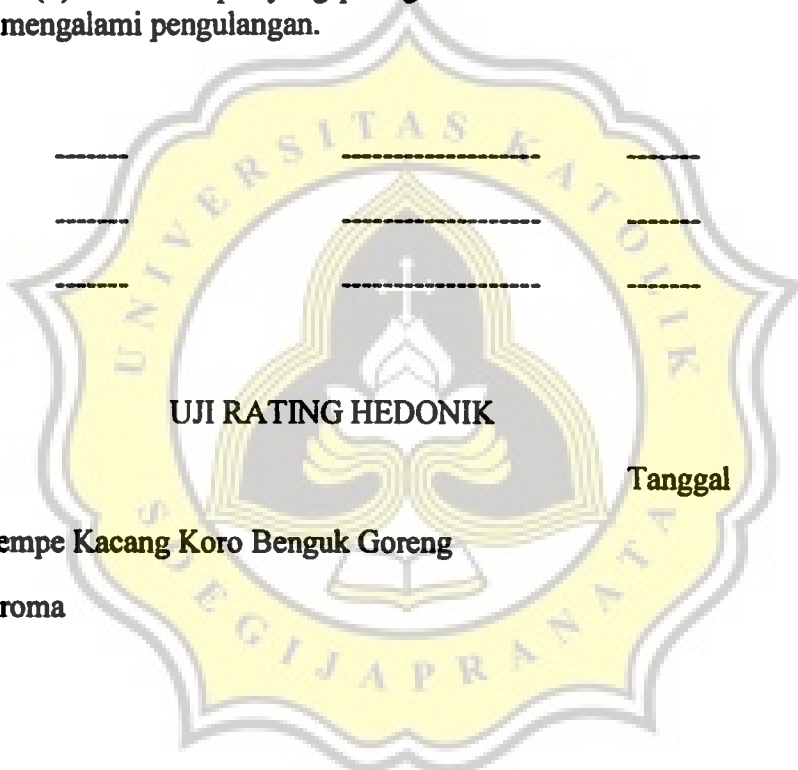
Nama : \_\_\_\_\_ Tanggal : \_\_\_\_\_  
 Produk : Tempe Kacang Koro Benguk Goreng  
 Kriteria : Tekstur

**Instruksi :**

Di hadapan Anda terdapat 6 sampel tempe koro benguk.

Amatilah masing-masing sampel, dan berilah skor (1) untuk sampel yang paling tidak disukai hingga skor (7) untuk sampel yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

-----  
 -----  
 -----



Nama : \_\_\_\_\_ Tanggal : \_\_\_\_\_  
 Produk : Tempe Kacang Koro Benguk Goreng  
 Kriteria : Aroma

**Instruksi :**

Di hadapan Anda terdapat 6 sampel tempe koro benguk.

Amatilah masing-masing sampel, dan berilah skor (1) untuk sampel yang paling tidak disukai hingga skor (7) untuk sampel yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

-----  
 -----  
 -----

## UJI RATING HEDONIK

Nama : Tanggal :

Produk : Tempe Kacang Koro Benuk Goreng

Kriteria : *Overall*

Instruksi :

Di hadapan Anda terdapat 6 sampel tempe koro benuk.

Amatilah masing-masing sampel, dan berilah skor (1) untuk sampel yang paling tidak disukai hingga skor (7) untuk sampel yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

-----

-----

-----



**Worksheet****WORKSHEET UJI RATING HEDONIK**

Tanggal : 6 September 2010

Jenis sample : Tempe benguk mentah

Tujuan : Mengetahui tempe benguk mentah mana yang paling banyak disukai dan yang paling tidak disukai.

**Identifikasi**

	<b>Kode</b>
Tempe benguk mentah utuh fermentasi 36'	A
Tempe benguk mentah utuh fermentasi 48'	B
Tempe benguk mentah utuh fermentasi 60'	C
Tempe benguk mentah cacah fermentasi 36'	D
Tempe benguk mentah cacah fermentasi 48'	E
Tempe benguk mentah cacah fermentasi 60'	F

**Kode kombinasi urutan penyajian**

ABCDEF = 1	CADBEF = 6
BCADFE = 2	FACEBD = 7
DACBEF = 3	DECAFB = 8
ADECBF = 4	ECABFD = 9
FACBDE = 5	BECADF = 10

**Rekap kode sampel**

1	489 721 967 986 728 191
2	538 824 532 859 333 464
3	216 967 259 172 612 218
4	135 681 845 254 167 256
5	476 245 165 213 312 365
6	823 138 415 317 845 264
7	436 387 189 142 273 756
8	143 372 391 723 247 364
9	383 263 395 274 623 246
10	713 698 249 732 491 382



## **WORKSHEET UJI RATING HEDONIK**

Tanggal : 6 September 2010

Jenis sample : Tempe benguk goreng

Tujuan : Mengetahui tempe benguk goreng mana yang paling banyak disukai dan yang paling tidak disukai.

### **Identifikasi**

Tempe benguk goreng utuh fermentasi 36'  
 Tempe benguk goreng utuh fermentasi 48'  
 Tempe benguk goreng utuh fermentasi 60'  
 Tempe benguk goreng cacah fermentasi 36'  
 Tempe benguk goreng cacah fermentasi 48'  
 Tempe benguk goreng cacah fermentasi 60'

### **Kode**

A  
 B  
 C  
 D  
 E  
 F

### **Kode kombinasi urutan penyajian**

ABCDEF = 1  
 BCADFE = 2  
 DACBEF = 3  
 ADECBF = 4  
 FACBDE = 5

CADBEF = 6  
 FACEBD = 7  
 DECAFB = 8  
 ECABFD = 9  
 BECADF = 10

### **Rekap kode sampel**

1	489 721 967 986 728 191
2	538 824 532 859 333 464
3	216 967 259 172 612 218
4	135 681 845 254 167 256
5	476 245 165 213 312 365
6	823 138 415 317 845 264
7	436 387 189 142 273 756
8	143 372 391 723 247 364
9	383 263 395 274 623 246
10	713 698 249 732 491 382

## **WORKSHEET UJI RATING HEDONIK**

Tanggal : 7 September 2010

Jenis sample : Tempe koro benguk mentah

Tujuan : Mengetahui tempe koro benguk mentah mana yang paling banyak disukai dan yang paling tidak disukai.

### **Identifikasi**

### **Kode**

Tempe koro benguk mentah utuh fermentasi 36'	A
Tempe koro benguk mentah utuh fermentasi 48'	B
Tempe koro benguk mentah utuh fermentasi 60'	C
Tempe koro benguk mentah kupas fermentasi 36'	D
Tempe koro benguk mentah kupas fermentasi 48'	E
Tempe koro benguk mentah kupas fermentasi 60'	F

### **Kode kombinasi urutan penyajian**

ABCDEF = 1	FACBDE = 6
ECABFD = 2	ADECBF = 7
DACBEF = 3	DECAFB = 8
FACEBD = 4	BCADFE = 9
CADBEF = 5	BECADF = 10

### **Rekap kode sampel**

1	382 491 732 249 698 713
2	246 623 274 395 263 383
3	364 247 723 391 372 143
4	756 273 142 189 387 436
5	264 845 317 415 138 823
6	382 463 261 294 173 268
7	365 312 213 165 245 476
8	256 167 254 845 681 135
9	218 612 172 259 967 216
10	464 333 859 532 824 538



## **WORKSHEET UJI RATING HEDONIK**

Tanggal : 7 September 2010

Jenis sample : Tempe koro benguk goreng

Tujuan : Mengetahui tempe koro benguk goreng mana yang paling banyak disukai dan yang paling tidak disukai.

### **Identifikasi**

### **Kode**

Tempe koro benguk goreng utuh fermentasi 36'	A
Tempe koro benguk goreng utuh fermentasi 48'	B
Tempe koro benguk goreng utuh fermentasi 60'	C
Tempe koro benguk goreng kupas fermentasi 36'	D
Tempe koro benguk goreng kupas fermentasi 48'	E
Tempe koro benguk goreng kupas fermentasi 60'	F

### **Kode kombinasi urutan penyajian**

ABCDEF = 1

ECABFD = 2

DACBEF = 3

FACEBD = 4

CADBEF = 5

FACBDE = 6

ADECBF = 7

DECAFB = 8

BCADFE = 9

BECADF = 10

### **Rekap kode sampel**

1	382 491 732 249 698 713
2	246 623 274 395 263 383
3	364 247 723 391 372 143
4	756 273 142 189 387 436
5	264 845 317 415 138 823
6	382 463 261 294 173 268
7	365 312 213 165 245 476
8	256 167 254 845 681 135
9	218 612 172 259 967 216
10	464 333 859 532 824 538

### 7.3. PERHITUNGAN IC<sub>50</sub>

BHT

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	12.322	4.956		2.486	.055
	ppm	.687	.114	.938	6.052	.002

a. Dependent Variable: antiox

Tempe kacang koro benguk non cacah fermentasi 36 jam

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	24.806	.520		47.679	.000
	ppm	.296	.003	.999	99.689	.000

a. Dependent Variable: antiox

Tempe kacang koro benguk non cacah fermentasi 48 jam

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	26.671	.866		30.784	.000
	ppm	.288	.005	.999	58.290	.000

a. Dependent Variable: antiox

Tempe kacang koro benguk non cacah fermentasi 60 jam

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	27.176	.973		27.944	.000
	ppm	.286	.006	.998	51.589	.000

a. Dependent Variable: antiox

Tempe kacang koro benguk cacah fermentasi 36 jam

Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	27.532	.791		34.811	.000
	ppm	.289	.005	.999	64.020	.000

a. Dependent Variable: antiox

Tempe kacang koro benguk cacah fermentasi 48 jam

Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	27.723	.424		65.446	.000
	ppm	.290	.002	1.000	119.951	.000

a. Dependent Variable: antiox

Tempe kacang koro benguk cacah fermentasi 60 jam

Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	28.130	.429		65.517	.000
	ppm	.290	.002	1.000	118.671	.000

a. Dependent Variable: antiox

Nilai  $IC_{50}$  diperoleh dari persamaan regresi % penghambatan radikal bebas DPPH terhadap ekstrak tempe kacang koro benguk noncacah dan cacah dengan fermentasi 36, 48, dan 60 jam.

1) Tempe kacang koro benguk noncacah fermentasi 36 jam

$$\text{Pers.regresi : } y = 0,296 x + 24,806$$

$$\begin{aligned} IC_{50} : \quad 50 &= 0,296 x + 24,806 \\ x &= 85.11 \text{ ppm} \end{aligned}$$

2) Tempe kacang koro benguk noncacah fermentasi 48 jam

$$\text{Pers.regresi : } y = 0,288 x + 26,671$$

$$\begin{aligned} IC_{50} : \quad 50 &= 0,288 x + 26,671 \\ x &= 81.00 \text{ ppm} \end{aligned}$$

3) Tempe kacang koro benguk noncacah fermentasi 60 jam

$$\text{Pers.regresi : } y = 0,286 x + 27,532$$

$$\begin{aligned} IC_{50} : \quad 50 &= 0,286 x + 27,532 \\ x &= 79.80 \text{ ppm} \end{aligned}$$

4) Tempe kacang koro benguk cacah fermentasi 36 jam

$$\text{Pers.regresi : } y = 0,289 x + 27,532$$

$$\begin{aligned} IC_{50} : \quad 50 &= 0,289 x + 27,532 \\ x &= 77.74 \text{ ppm} \end{aligned}$$

5) Tempe kacang koro benguk cacah fermentasi 48 jam

$$\text{Pers.regresi : } y = 0,290 x + 27,723$$

$$\begin{aligned} IC_{50} : \quad 50 &= 0,290 x + 27,723 \\ x &= 76.82 \text{ ppm} \end{aligned}$$

6) Tempe kacang koro benguk cacah fermentasi 60 jam

$$\text{Pers.regresi : } y = 0,294 x + 27,314$$

$$\begin{aligned} IC_{50} : \quad 50 &= 0,294 x + 27,314 \\ x &= 77.16 \text{ ppm} \end{aligned}$$

### 7.3. Konversi Tempe Segar

Sampel		Berat Tempe Segar (gr)	Berat Tepung (gr)	Berat Ekstrak Kental (gr)
Tempe Kacang	Fermentasi 36 jam	818	300,5	5,772
Koro Benguk	Fermentasi 48 jam	782	307,5	5,154
Noncacah	Fermentasi 60 jam	816,5	329,5	5,684
Tempe Kacang	Fermentasi 36 jam	926	318	5,940
Koro Benguk	Fermentasi 48 jam	802	307	5,036
Cacah	Fermentasi 60 jam	910	335,5	5,035



#### 7.4. Kurva Standar

