

## 7. LAMPIRAN

### Lampiran 1. Survey Pasar



(a)

(b)

Gambar 10. Pasar Gayamsari (a) dan Pasar Peterongan (b)



(a)

(b)

Gambar 11. Pasar Langgar (a) dan Pasar Gang Baru (b)



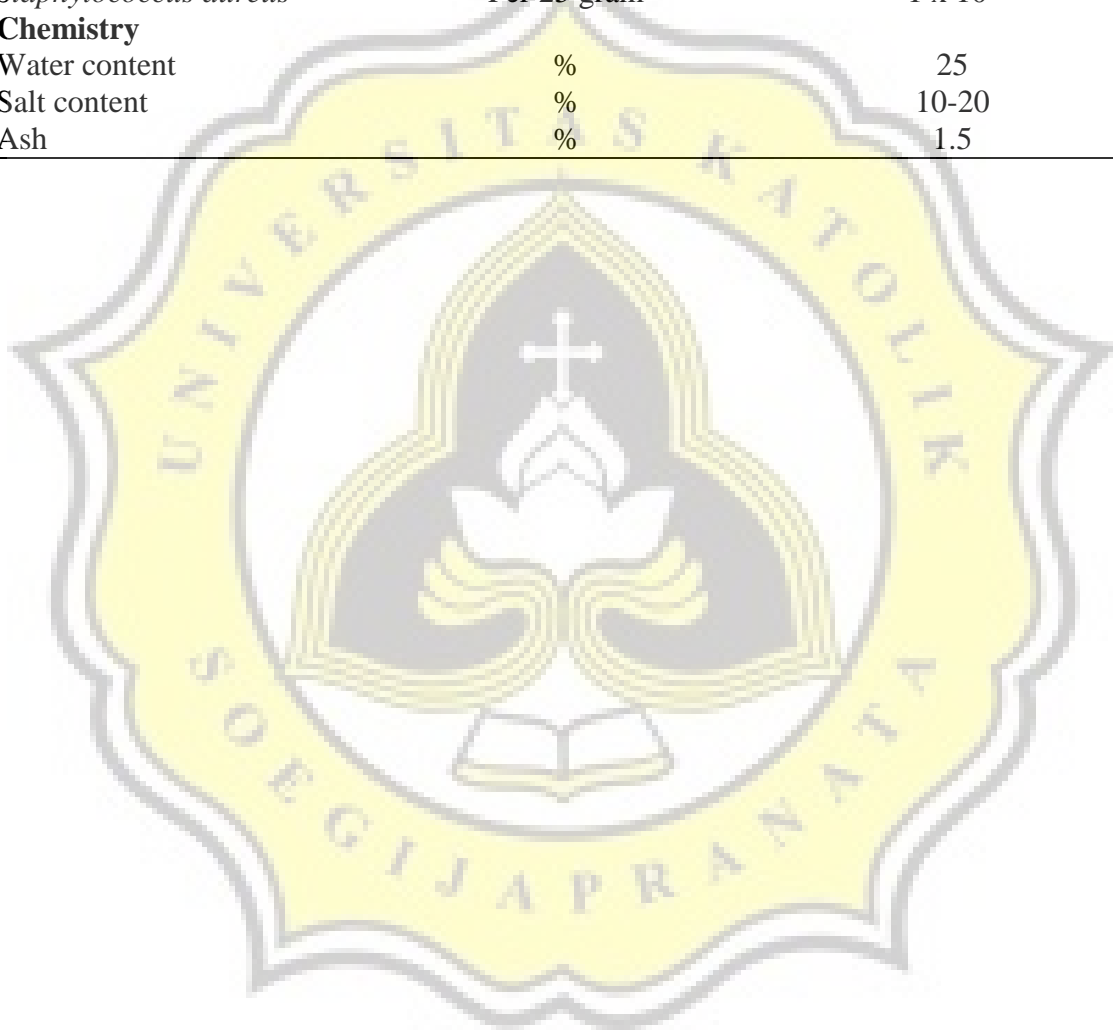
(a)

(b)

Gambar 12. Pasar Johar (a) dan Pasar Kobong (b)

## Lampiran 2. SNI 01-2721-1992 (Ringkasan)

Aspects	Units	Standard
<b>Organoleptic</b>		
Minimum Score		6.5
Mold		Negative
<b>Microbiology</b>		
TPC	colonies/gram	$1 \times 10^5$
<i>Eschericia coli</i>	MPN/gram	<3
<i>Salmonella</i>	Per 25 gram	Negative
<i>Vibrio cholerae</i>	Per 25 gram	Negative
<i>Staphylococcus aureus</i>	Per 25 gram	$1 \times 10^3$
<b>Chemistry</b>		
Water content	%	25
Salt content	%	10-20
Ash	%	1.5



Lampiran 3. *Worksheet* Analisa Sensori

## WORKSHEET ANALISA SENSORI IKAN BAWANG PUTIH LANANG

Tanggal uji :

Jenis sampel :

**Identifikasi sampel**

Ikan Asin

Ikan Bawang Kering

Ikan Asin Bawang Kering

**Kode****Kontrol**

A

B

**Kode kombinasi urutan penyajian**

AB = 1

BA = 2

**Penyajian :**

<b>Booth</b>	<b>Panelis</b>	<b>Kode sampel</b> urutan penyajian
I	# 1,6,11,16,21,26	396 522 <sup>1</sup>
II	# 2,7,12,17,22,27	191 132 <sup>2</sup>
III	# 3,8,13,18,23,28	669 394 <sup>1</sup>
IV	# 4,9,14,19,24,29	122 771 <sup>2</sup>
V	# 5,10,15,20,25,30	161 911 <sup>1</sup>

**Rekap kode sampel :**

Sampel A	396 132 669 771 161
Sampel B	522 191 394 122 911

Lampiran 4. *Scoresheet* Analisa Sensori***UJI DIFFERENCE FROM CONTROL***

Nama : \_\_\_\_\_ Tanggal : \_\_\_\_\_  
 Produk : Ikan Asin  
 Atribut : Warna

Intruksi :

Di hadapan Anda terdapat 2 jenis sampel ikan asin dan 1 sampel kontrol. Amati warna ketiga sampel dari kiri ke kanan secara berurutan. Anda diperbolehkan untuk melakukan pengulangan ketika mengamati sampel sampai mendapatkan hasilnya. Kemudian tentukan tingkat perbedaan sampel dengan kontrol sesuai dengan skala di bawah ini (berikan tanda  $\surd$ ).

Skala	Kode :	Kode :
Tidak ada perbedaan		
<u>Sedikit berbeda</u>		
<u>Cukup berbeda</u>		
<u>Sangat berbeda</u>		

Terima Kasih ☺

## UJI RANKING HEDONIK

Nama : Tanggal : 21 Maret 2016  
Produk : Ikan asin  
Atribut : *Overall*

Intruksi :

Di hadapan Anda terdapat 3 jenis sampel ikan asin. Cicipi ketiga sampel secara berurutan dari kiri ke kanan dan rasakan masing-masing. Berkumurlah sebelum Anda mencicipi tiap sampel. Setelah Anda mencicipi semua sampel, Anda diperbolehkan untuk mengulang sebanyak yang Anda perlukan. Kemudian berikan nilai untuk tiap sampel dengan nilai 1 (paling disukai), 2 (disukai), atau 3 (tidak disukai).

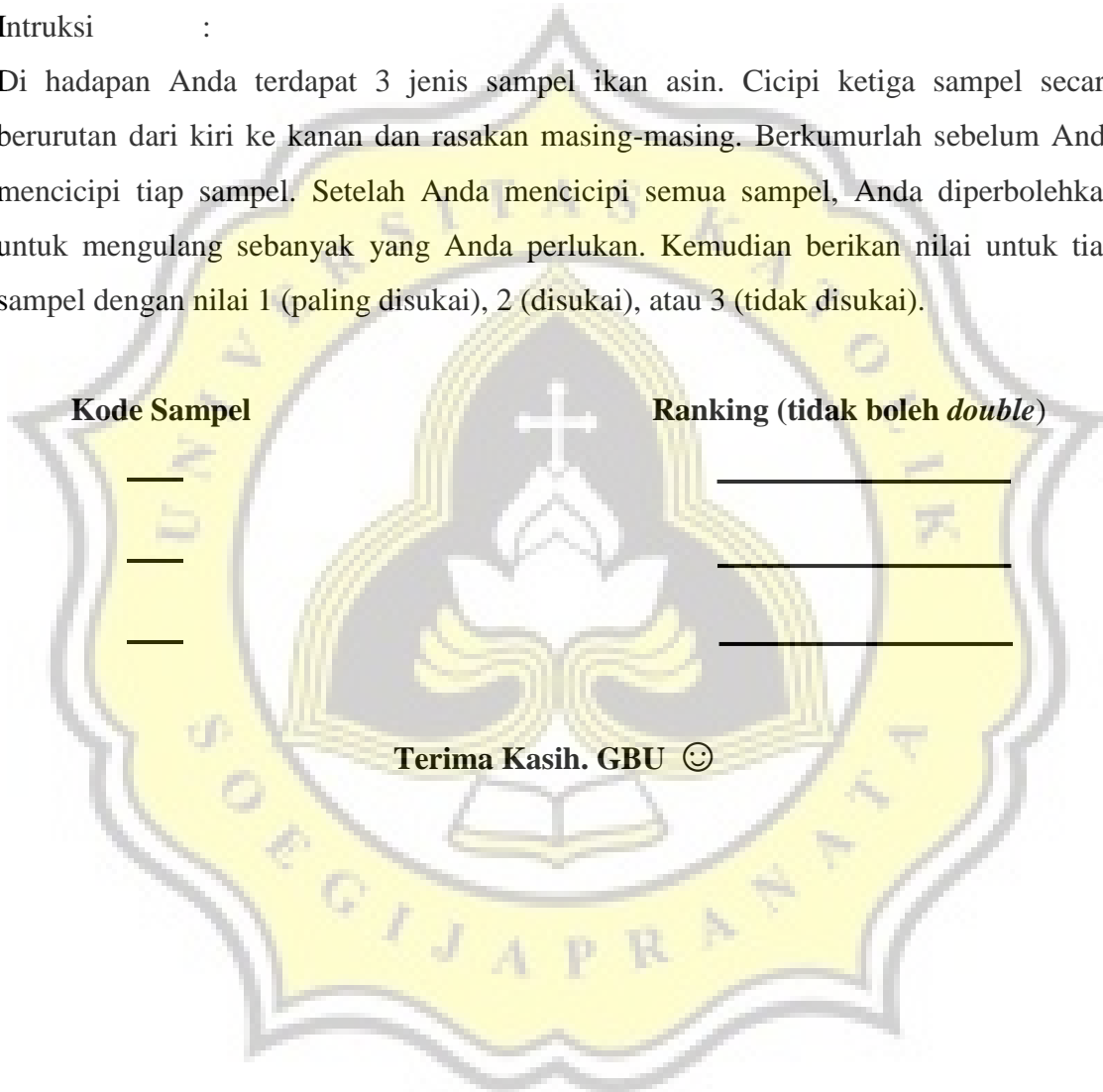
**Kode Sampel**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Ranking (tidak boleh *double*)**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Terima Kasih. GBU 😊



Lampiran 5. *Output* SPSS Uji Normalitas dan Uji Beda Kadar Air dan Aktivitas Air

## ➤ Ikan Asin

**One-Sample Kolmogorov-Smirnov Test**

		Unstandardized Residual
N		15
Normal Parameters <sup>a,b</sup>	Mean	,0000000
	Std. Deviation	1,69990835
Most Extreme Differences	Absolute	,198
	Positive	,198
	Negative	-,122
Kolmogorov-Smirnov Z		,766
Asymp. Sig. (2-tailed)		,600

a. Test distribution is Normal.

b. Calculated from data.

**ANOVA**

		Sum of Squares	df	Mean Square	F	Sig.
Aktivitas Air Ikan Asir	Between Groups	,082	4	,020	83,141	,000
	Within Groups	,002	10	,000		
	Total	,084	14			
Kadar Air Ikan Asin	Between Groups	105,745	4	26,436	12,392	,001
	Within Groups	21,333	10	2,133		
	Total	127,079	14			

**Kadar Air Ikan Asin**Duncan<sup>a</sup>

Waktu pemaparan	N	Subset for alpha = .05		
		1	2	3
h0	3	23,9733		
h7	3		28,4200	
h14	3		29,2800	29,2800
h21	3		30,4000	30,4000
h28	3			31,8033
Sig.		1,000	,144	,071

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### Aktivitas Air Ikan Asin

Duncan<sup>a</sup>

Waktu pemaparan	N	Subset for alpha = .05			
		1	2	3	4
h0	3	,6707			
h7	3		,7440		
h14	3			,8210	
h21	3			,8320	
h28	3				,8803
Sig.		1,000	1,000	,410	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### ➤ Ikan Kering

#### One-Sample Kolmogorov-Smirnov Test

N		Unstandardized Residual	15
Normal Parameters <sup>a,b</sup>	Mean		,0000000
	Std. Deviation		2,64824727
Most Extreme Differences	Absolute		,154
	Positive		,154
	Negative		-,089
Kolmogorov-Smirnov Z			,596
Asymp. Sig. (2-tailed)			,869

a. Test distribution is Normal.

b. Calculated from data.

#### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Aktivitas Air Ikan Kering	Between Groups	,144	4	,036	110,531	,000
	Within Groups	,003	10	,000		
	Total	,148	14			
Kadar Air Ikan Kering	Between Groups	214,520	4	53,630	11,046	,001
	Within Groups	48,554	10	4,855		
	Total	263,073	14			

### Kadar Air Ikan Kering

Duncan<sup>a</sup>

Waktu pemaparan	N	Subset for alpha = .05	
		1	2
h0	3	23,3933	
h7	3		31,2433
h14	3		32,3000
h21	3		33,4500
h28	3		33,4800
Sig.		1,000	,273

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 3,000.

### Aktivitas Air Ikan Kering

Duncan<sup>a</sup>

Waktu pemaparan	N	Subset for alpha = .05			
		1	2	3	4
h0	3	,6767			
h7	3		,7567		
h14	3			,8800	
h21	3			,9033	
h28	3				,9367
Sig.		1,000	1,000	,145	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### ➤ Ikan Komersial

#### One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		15
Normal Parameters <sup>a,b</sup>	Mean	,0000000
	Std. Deviation	2,68063109
Most Extreme Differences	Absolute	,159
	Positive	,159
	Negative	-,134
Kolmogorov-Smirnov Z		,615
Asymp. Sig. (2-tailed)		,844

a. Test distribution is Normal.

b. Calculated from data.



## ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Aktivitas Air Ikan Komersial	Between Groups	,083	4	,021	282,500	,000
	Within Groups	,001	10	,000		
	Total	,084	14			
Kadar Air Ikan Komersial	Between Groups	122,200	4	30,550	4,587	,023
	Within Groups	66,599	10	6,660		
	Total	188,799	14			

## Kadar Air Ikan Komersial

Duncan<sup>a</sup>

Waktu pemaparan	N	Subset for alpha = .05	
		1	2
h0	3	29,3267	
h7	3	33,4500	33,4500
h21	3		35,8633
h14	3		36,3500
h28	3		37,2567
Sig.		,079	,123

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 3,000.

## Aktivitas Air Ikan Komersial

Duncan<sup>a</sup>

Waktu pemaparan	N	Subset for alpha = .05			
		1	2	3	4
h0	3	,7100			
h7	3		,7567		
h14	3			,7933	
h21	3				,8900
h28	3				,9000
Sig.		1,000	1,000	1,000	,183

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## ➤ Ikan Bawang Putih Lanang Kering

**One-Sample Kolmogorov-Smirnov Test**

		Unstandardized Residual
N		15
Normal Parameters <sup>a,b</sup>	Mean	,0000000
	Std. Deviation	,80114302
Most Extreme Differences	Absolute	,152
	Positive	,116
	Negative	-,152
Kolmogorov-Smirnov Z		,589
Asymp. Sig. (2-tailed)		,879

a. Test distribution is Normal.

b. Calculated from data.

**Kadar Air Ikan Bawang Putih Lanang Kering**

Duncan<sup>a</sup>

Waktu pemaparan	N	Subset for alpha = .05		
		1	2	3
h0	3	23,8467		
h7	3		28,0233	
h14	3		29,1633	
h21	3			31,8833
h28	3			33,8667
Sig.		1,000	,264	,067

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**Aktivitas Air Ikan Bawang Putih Lanang Kering**

Duncan<sup>a</sup>

Waktu pemaparan	N	Subset for alpha = .05			
		1	2	3	4
h0	3	,6933			
h7	3		,7833		
h14	3		,8067		
h21	3			,8733	
h28	3				,9133
Sig.		1,000	,067	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

## ➤ Ikan Bawang Putih Lanang Asin

**One-Sample Kolmogorov-Smirnov Test**

		Unstandardized Residual
N		15
Normal Parameters <sup>a,b</sup>	Mean	,0000000
	Std. Deviation	1,96722865
Most Extreme Differences	Absolute	,129
	Positive	,129
	Negative	-,123
Kolmogorov-Smirnov Z		,499
Asymp. Sig. (2-tailed)		,965

a. Test distribution is Normal.

b. Calculated from data.

**Kadar Air Ikan Bawang Putih Lanang Asin**

Duncan<sup>a</sup>

Waktu pemaparan	N	Subset for alpha = .05			
		1	2	3	4
h0	3	22,5367			
h7	3	23,8767	23,8767		
h14	3		27,5267	27,5267	
h21	3			29,3633	29,3633
h28	3				32,5967
Sig.		,451	,058	,308	,088

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

**Aktivitas Air Ikan Bawang Putih Lanang Asin**

Duncan<sup>a</sup>

Waktu pemaparan	N	Subset for alpha = .05				
		1	2	3	4	5
h0	3	,6633				
h7	3		,7000			
h14	3			,7433		
h21	3				,7900	
h28	3					,8733
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 = 3,000.

Lampiran 6. Hasil Excel Sensori Uji *Different From Control*

panelis	Warna		Aroma		Rasa	
	A	B	A	B	A	B
1	1	2	4	3	4	2
2	1	2	1	1	4	3
3	3	2	4	2	4	4
4	2	2	3	2	4	2
5	2	2	4	2	4	3
6	4	3	4	3	4	2
7	1	1	3	1	4	3
8	2	2	4	2	4	1
9	2	1	4	1	4	4
10	2	1	4	2	4	2
11	1	1	4	2	4	2
12	2	2	4	2	4	1
13	2	1	3	1	4	1
14	2	2	4	3	4	2
15	4	2	3	3	3	2
16	2	2	3	1	4	2
17	3	2	3	3	3	1
18	2	1	4	2	4	3
19	2	2	4	2	4	2
20	2	2	4	1	4	1
21	2	2	4	2	3	1
22	2	2	3	2	4	2
23	2	1	4	1	4	3
24	2	1	4	3	4	3
25	3	1	4	2	4	4
26	2	1	2	2	4	2
27	3	2	4	2	4	3
28	3	2	4	2	4	2
29	2	1	3	2	3	1
30	1	2	3	3	4	1
Total	64	50	106	60	116	65
Rata-rata	2,13	1,67	3,53	2	3,87	2,17

\*A : Ikan Bawang Putih Lanang Kering

\*B : Ikan Bawang Putih Lanang Asin

Lampiran 7. Hasil Excel Sensori Uji *Ranking* Hedonik

Panelis	Kontrol	A	B
1	1	3	2
2	2	3	1
3	2	3	1
4	2	3	1
5	1	3	2
6	1	3	2
7	1	3	2
8	2	3	1
9	1	3	2
10	2	3	1
11	2	3	1
12	2	3	1
13	2	3	1
14	1	3	2
15	3	2	1
16	1	3	2
17	2	3	1
18	1	3	2
19	1	3	2
20	1	3	2
21	1	3	2
22	2	3	1
23	2	3	1
24	1	3	2
25	3	2	1
26	1	3	2
27	2	3	1
28	1	3	2
29	2	3	1
30	1	3	2
Total	47	88	45
Rata-rata	1,57	2,93	1,5

\*A : Ikan Bawang Putih Lanang Kering

\*B : Ikan Bawang Putih Lanang Asin

Lampiran 8. *Output Analisa SPSS : Uji Different From Control***Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
warna	90	1,6000	,71579	1,00	4,00
aroma	90	2,1778	1,19529	1,00	4,00
rasa	90	2,3444	1,31680	1,00	4,00
sampel	90	2,0000	,82107	1,00	3,00

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

	warna	aroma	rasa
Chi-Square	44,172	68,617	72,042
df	2	2	2
Asymp. Sig.	,000	,000	,000

a. Kruskal Wallis Test

b. Grouping Variable: sampel

Lampiran 9. *Output Analisa SPSS : Uji Ranking Hedonik*

- Uji Friedman

**Descriptive Statistics**

	N	Mean	Std. Deviation	Minimum	Maximum
kontrol	30	1,5667	,62606	1,00	3,00
ikanbawangputi hlanangkering	30	2,9333	,25371	2,00	3,00
ikanbawangputi hlanangasin	30	1,5000	,50855	1,00	2,00

**Ranks**

	Mean Rank
kontrol	1,57
ikanbawangputi hlanangkering	2,93
ikanbawangputi hlanangasin	1,50

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

N	30
Chi-Square	39,267
df	2
Asymp. Sig.	,000

a. Friedman Test

- Uji Least Significant Difference

### Descriptives

overall

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ikan asin	30	1,5667	,62606	,11430	1,3329	1,8004	1,00	3,00
ikan bawang putih lanang kering	30	2,9333	,25371	,04632	2,8386	3,0281	2,00	3,00
ikan bawang putih lanang asin	30	1,5000	,50855	,09285	1,3101	1,6899	1,00	2,00
Total	90	2,0000	,82107	,08655	1,8280	2,1720	1,00	3,00

### Multiple Comparisons

Dependent Variable: overall

LSD

(I) produk	(J) produk	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ikan asin	ikan bawang putih lanang kering	-1,36667*	,12605	,000	-1,6172	-1,1161
	ikan bawang putih lanang asin	,06667	,12605	,598	-,1839	,3172
ikan bawang putih lanang kering	ikan asin	1,36667*	,12605	,000	1,1161	1,6172
	ikan bawang putih lanang asin	1,43333*	,12605	,000	1,1828	1,6839
ikan bawang putih lanang asin	ikan asin	-,06667	,12605	,598	-,3172	,1839
	ikan bawang putih lanang kering	-1,43333*	,12605	,000	-1,6839	-1,1828

\*. The mean difference is significant at the .05 level.