

LAMPIRAN

Lampiran 1. Diagram alir & alur gambar pembuatan kerupuk

Diagram alir pembuatan kerupuk



Alur gambar pembuatan kerupuk

1.  2. 

3.  4. 

5.  6. 

Preparasi adonan

Daging dihaluskan

Bumbu dihaluskan

campurkan semua bahan

Aduk hingga homogen

bentuk adonan & kukus

7. 8.



Angin-anginkan



adonan dengan pemotong

9. iris



10.



kerupuk digoreng jemur kerupuk

11.



Kerupuk siap disajikan

Lampiran**2. Form uji kesukaan hedonik****FORMULIR UJI KESUKAAN****(UJI HEDONIK)**

Nama Panelis : Umur

: Jenis

Kelamin :

Instruksi :

- Cicupilah sampel satu persatu dengan diselingi air putih di tiap pergantian sampel untuk menetralkan rasa
- Pada kolom kode, berikan penilaian berdasarkan tingkat kesukaan (keterangan terdapat di bawah tabel)
- Jangan membandingkan tingkat kesukaan antar sampel
- Setelah selesai, berikan catatan pada kolom yang telah disediakan.

Kode Sampel	Tingkat Kesukaan			
	Warna	Rasa	Aroma	Tekstur
185				
732				
439				
308				

Keterangan:

- Sangat suka : 4
- Suka : 3
- Tidak suka : 2
- Sangat tidak suka : 1

Komentar :

3. Data hasil kadar air

perlakuan	Ulangan
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Lampiran

	1	2	3	4	5	6	Ratarata
P1	3,27%	3,3%	3,4%	3,39%	3,37%	3,29%	3,34%
P2	3,29%	3,25%	3,2%	3,28%	3,24%	3,22%	3,25%
P3	3,2%	3,18%	3,21%	3,23%	3,19%	3,26%	3,21%
P4	3,12%	3,17%	3,11%	3,14%	3,19%	3,13%	3,14%

Descriptives

Kode	N	Range	Minimum	Maximum	Sum	Mean		Std. Deviation	Variance
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Statistic
p1 (185)	6	0	3	3	20	3.34	.014	.034	.001
p2 (732)	6	0	3	3	20	3.25	.008	.019	.000
p4 (308)	6	.06	3.12	3.18	18.90	3.1508	.00944	.02311	.001
p3 (439)	6	.07	3.18	3.25	19.21	3.2008	.01083	.02654	.001
total	24	.033	3.075	3.08	19.53	3.2354	.04227	.08538	.001
Valid N (listwise)	6								

Anova

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	.117	3	.039	56.222	.000
Within Groups	.014	20	.001		
Total	.131	23			

Duncan

Subset for alpha = 0.05

perlakuan	N	1	2	3	4
P4 (308)	6	3.1508			
P3 (439)	6		3.2008		

Lampiran

P2 (732)	6			3.2525	
P1 (185)	6			3.3400	
Sig.		1.000	1.000	1.000	1.000

4. Data hasil kadar protein

perlakuan	Ulangan						
	1	2	3	4	5	6	Ratarata
P1	5,81%	5,8%	5,78%	5,79%	5,82%	5,77%	5,80%
P2	5,75%	5,7%	5,69%	5,71%	5,74%	5,72%	5,72%
P3	5,62%	5,65%	5,6%	5,66%	5,69%	5,64%	5,64%
P4	5,55%	5,6%	5,5%	5,59%	5,61%	5,56%	5,57%

Descriptives

Kode	N	Range	Minimum	Maximum	Sum	Mean		Std. Deviation	Variance
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Statistic
p1 (185)	6	0	6	6	35	5.81	.006	.015	.000
p2 (732)	6	0	6	6	34	5.71	.007	.017	.000
p4 (308)	6	.12	5.49	5.60	33.36	5.5592	.01583	.03878	.002
p3 (439)	6	.08	5.60	5.68	33.95	5.6575	.01167	.02859	.001
Total	24	.05	5.77	5.82	34.08	5.6842	.01013	.14535	.001
Valid N (listwise)	6								

Anova

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	.191	3	.064	89.525	.000
Within Groups	.014	20	.001		
Total	.205	23			

Duncan

Lampiran

Subset for alpha = 0.05

Perlakuan	N	1	2	3	4
P4 (308)	6	5.5592			
P3 (439)	6		5.6575		
P2 (732)	6			5.7067	
P1 (185)	6				5.8067
Sig.		1.000	1.000	1.000	1.000

5. Data daya kembang

perlakuan	Sampel													
	1		2		3		4		5		6		Rata-rata	
	SBL	SSD	SBL	SSD	SBL	SSD	SBL	SSD	SBL	SSD	SBL	SSD	SBL	SSD
P1	4,5	7	4,5	7,2	4,3	6,7	4,5	7,5	4,4	7,2	4,6	7,7	4,5	7,2
P2	4,7	8	4,8	8,1	4,7	7,8	4,5	7,5	4,5	7,2	4,5	7,5	4,6	7,7
P3	4,7	8,3	4,5	8,1	4,5	7,6	4,5	8,2	4,5	8,4	4,6	7,7	4,6	8,1
P4	4,5	7,9	4,6	8,3	4,7	8,5	4,5	8,7	4,5	8,3	4,6	8,6	4,6	9,8

Keterangan: SBL : sebelum digoreng

SSD : sesudah digoreng

Descriptives

kode	N	Range	Minimum	Maximum	Sum	Mean		Std. Deviation	Variance
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Statistic
p1 (185)	6	1	7	8	43	7.22	.145	.354	.126
p2 (732)	6	1	7	8	46	7.68	.140	.343	.118
p4 (308)	6	.8	7.9	8.7	50.3	8.383	.1167	.2858	.082
p3 (439)	6	.8	7.6	8.4	48.3	8.050	.1335	.3271	.107
total	24	.9	7.4	8.3	46.9	7.833	.1338	.3275	.108
Valid N (listwise)	6								

Lampiran
Anova

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	4.513	3	1.504	13.930	.000
Within Groups	2.160	20	.108		
Total	6.673	23			

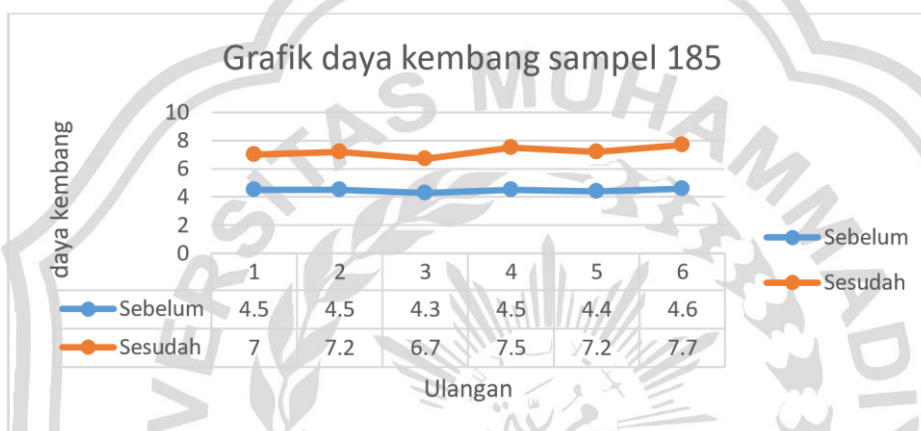
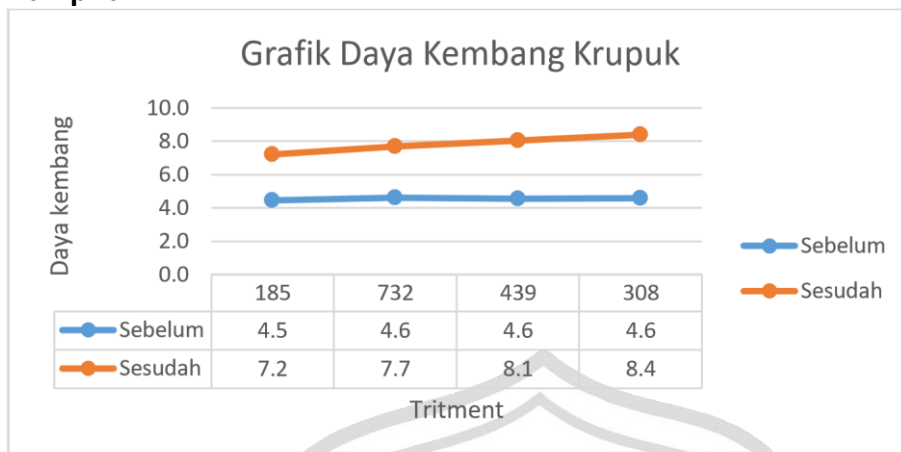
Duncan

Subset for alpha = 0.05				
Perlakuan	N	1	2	3
P1 (185)	6	7.217		
P2 (732)	6		7.683	
P3 (439)	6		8.050	8.050
P4 (308)	6			8.383
Sig.		1.000	.068	.094

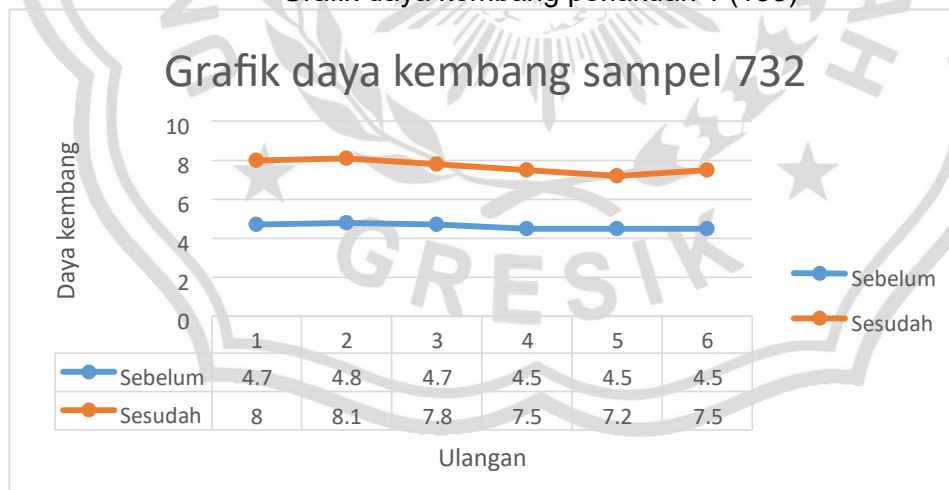
6. Grafik daya kembang produk

Grafik daya kembang

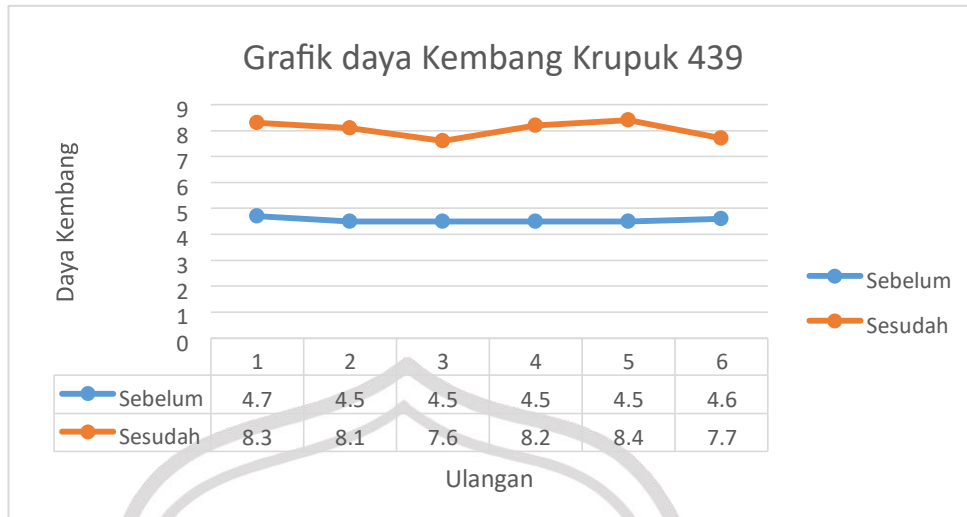
Lampiran



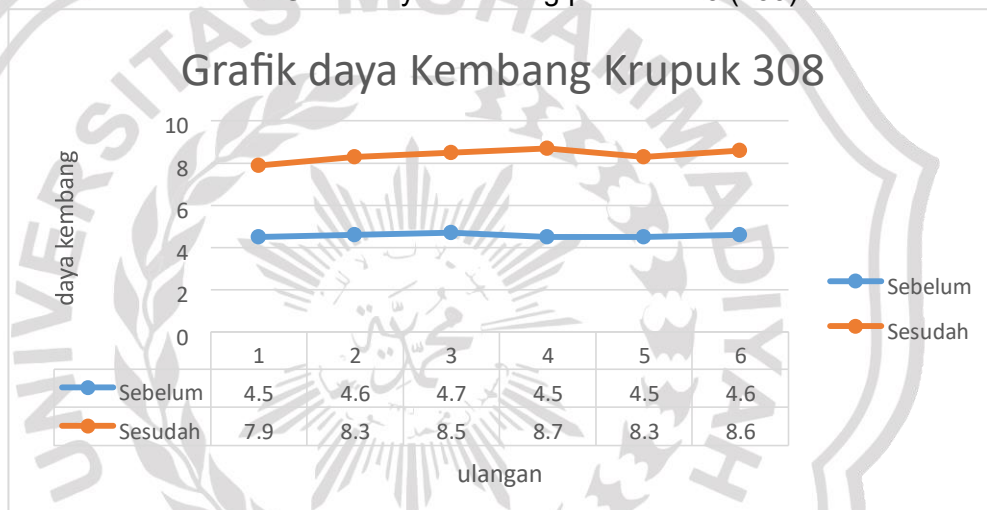
Grafik daya kembang perlakuan 1 (185)



Grafik daya kembang perlakuan 2 (732)



Grafik daya kembang perlakuan 3 (439)



Grafik daya kembang perlakuan 4 (308)

Panelis	Warna				Rasa				Aroma				Tekstur			
	185	732	439	308	185	732	439	308	185	732	439	308	185	732	439	308
1	4	3	3	3	4	4	4	4	4	3	2	3	4	3	4	3
2	4	3	3	3	4	3	4	4	4	3	2	3	4	3	4	3
3	3	3	2	4	3	3	3	2	4	3	2	4	3	3	3	3
4	3	3	3	2	4	3	4	3	3	3	3	3	4	3	2	2
5	3	3	3	3	4	4	4	4	4	3	3	3	4	3	2	3
6	4	2	3	3	4	2	3	3	3	2	2	3	3	2	2	3
7	3	3	3	4	4	3	3	3	3	3	3	3	4	4	3	3
8	4	4	4	4	4	4	2	3	3	4	2	3	3	4	4	2
9	4	4	4	4	4	4	2	3	3	3	4	3	2	3	2	1
10	3	2	3	3	3	3	3	3	3	3	3	3	2	3	2	3
11	3	4	4	4	4	3	3	3	3	3	3	3	2	3	3	4
12	2	4	2	2	2	2	4	2	2	4	2	2	2	4	2	2
13	4	3	3	4	3	3	4	2	4	4	3	4	3	3	2	2
14	3	3	3	4	3	3	4	2	4	2	3	4	3	3	2	2
15	3	3	3	4	3	3	2	2	3	3	3	4	4	3	2	2
16	2	3	3	4	3	3	4	3	4	3	3	3	3	4	3	3
17	3	3	4	3	4	2	2	2	3	3	2	4	3	4	2	2
18	3	3	3	2	3	2	3	2	3	3	3	3	3	3	3	2
19	3	3	3	2	3	4	3	2	3	2	3	3	3	4	4	3
20	4	4	3	4	4	4	3	4	3	3	3	3	4	3	3	3
21	3	3	3	4	4	2	3	3	3	3	2	4	4	2	2	2
22	1	3	2	4	1	2	2	3	1	2	1	3	1	2	3	3
23	4	4	4	3	4	4	3	4	4	4	3	1	4	4	3	3
24	3	2	4	2	3	3	4	3	3	2	4	3	4	2	4	4
25	2	3	4	3	2	2	4	3	3	4	2	3	3	3	4	3

Lampiran 8. Hasil uji organoleptik

Hasil Uji Organoleptik

Kode perlakuan	Parameter			
	Warna	Rasa	Aroma	Tekstur
185	3,12±0,781 ^a	3,36±0,810 ^a	3,20±0,707 ^a	3,16±0,850 ^a
732	3,12±0,600 ^a	3,00±0,763 ^a	3,00±0,645 ^a	3,12±0,665 ^a
439	3,16±0,624 ^a	3,20±0,773 ^a	2,64±0,700 ^b	2,80±0,816 ^a
308	3,28±0,791 ^a	2,88±0,725 ^b	3,12±0,665 ^a	2,64±0,700 ^b

Descriptive

	N	Mean	Std. Deviation	Minimum	Maximum
Warna	100	3.17	.697	1	4
Rasa	100	3.11	.777	1	4
Aroma	100	2.99	.703	1	4
Tekstur	100	2.93	.782	1	4
<u>Perlakuan</u>	<u>100</u>	<u>2.50</u>	<u>1.124</u>	<u>1</u>	<u>4</u>

Anaaisis Kruskal Wallis

	Warna	Rasa	Aroma	Tekstur
<i>Chi-Square</i>	1.185	6.601	10.762	8.192
<i>df</i>	3	3	3	3
<i>Asymp. Sig.</i>	0.757	0.086	0.013	0.042

Anova warna

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.430	3	.143	.289	.834
Within Groups	47.680	96	.497		
Total	48.110	99			

Duncan warna

Subset	
1	
sampel	N

185	25	3.12
732	25	3.12
439	25	3.16
308	25	3.28
Sig.		.472

Anova rasa

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.390	3	1.130	1.923	.131
Within Groups	56.400	96	.587		
Total	59.790	99			

Duncan rasa

Sampel	N	Subset
308	25	2.88
732	25	3.00
439	25	3.20
185	25	3.36
Sig.		.120

Anova aroma

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	4.590	3	1.530	3.308	.023
Within Groups	44.400	96	.462		
Total	48.990	99			

Duncan aroma

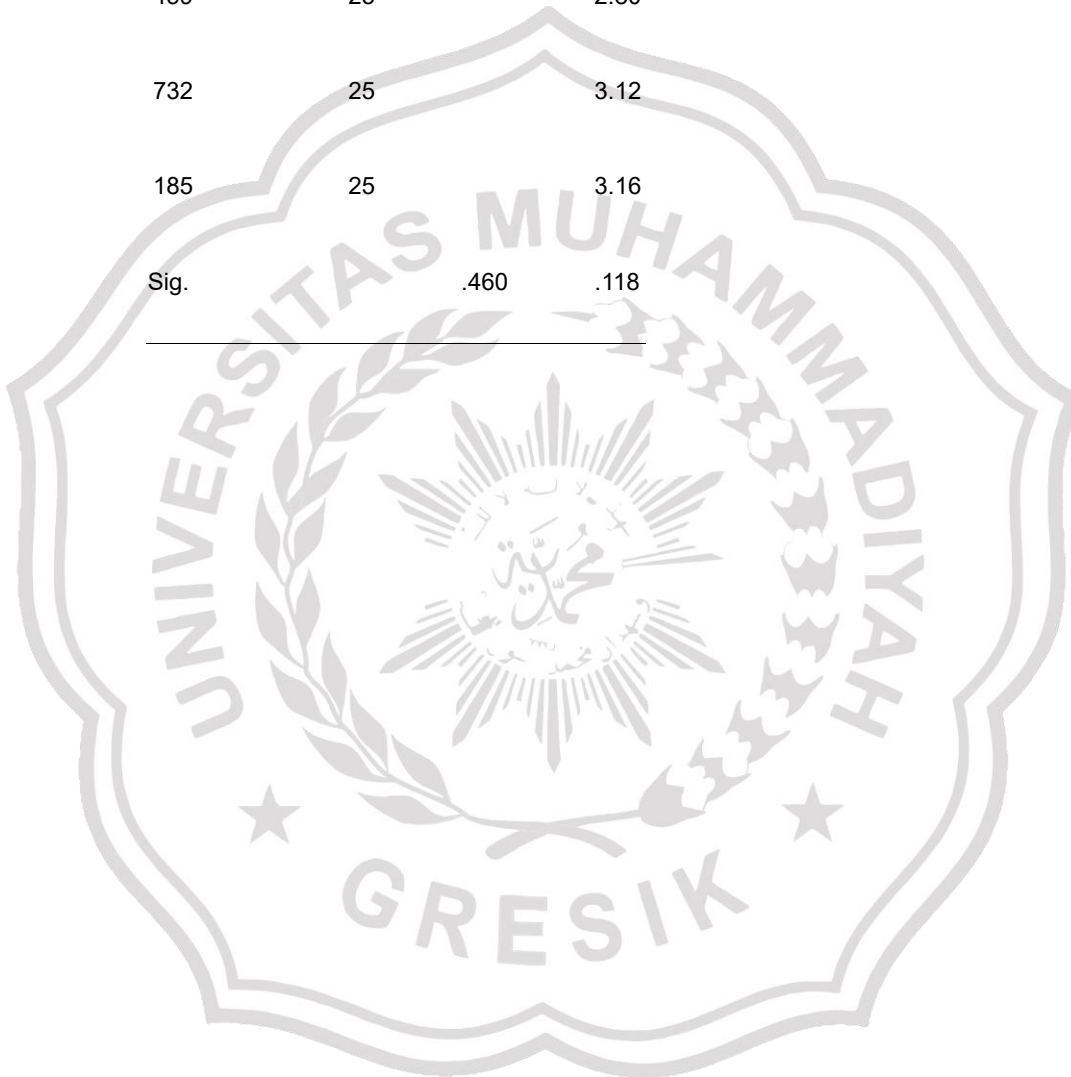
		Subset	
sampel	N	1	2
439	25	2.64	
732	25		3.00
308	25		3.12
185	25		3.20
Sig.		.064	.332

Anova Tekstur

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.750	3	1.583	2.726	.048
Within Groups	55.760	96	.581		
Total	60.510	99			

Duncan tekstur

sampel	N	Subset	
		1	2
308	25	2.64	
439	25		2.80
732	25		3.12
185	25		3.16
Sig.		.460	.118



Lampiran**9. Hasil uji kruskal wallis parameter warna**

	N	Mean	Std. Deviation	Minimum	Maximum
perlakuan	100	416.00	204.378	185	732
Warna	100	3.17	.697	1	4

perlakuan	warna	N	Mean Rank
	1	1	13.00
	2	14	48.71
	3	52	54.35
	4	33	46.33
	Total	100	

perlakuan	
Chi-Square	3.539
Df	3
Asymp. Sig.	.316

Lampiran .

10. Hasil uji kruskal wallis parameter rasa

	N	Mean	Std. Deviation	Minimum	Maximum
perlakuan	100	416.00	204.378	185	732
Rasa	100	3.11	.777	1	4

	Rasa	N	Mean Rank
perlakuan	1	1	13.00
	2	22	57.32
	3	42	51.69
	4	35	45.86
	Total	100	

Perlakuan	
Chi-Square	4.109
df	3
Asymp. Sig.	.250

Lampiran .

11. Hasil uji kruskal wallis parameter aroma

	N	Mean	Std. Deviation	Minimum	Maximum
perlakuan	100	416.00	204.378	185	732
Aroma	100	2.99	.703	1	4

	Aroma	N	Mean Rank
perlakuan	1	3	38.00
	2	16	66.12
	3	60	49.67
	4	21	42.76
Total		100	

perlakuan	
Chi-Square	7.190
df	3
Asymp. Sig.	.066

Lampiran .

12. Hasil uji kruskal wallis parameter tekstur

	N	Mean	Std. Deviation	Minimum	Maximum
perlakuan	100	416.00	204.378	185	732
Tesktur	100	2.93	.782	1	4
warna	N	Mean Rank			
1	2	25.50			
2	28	51.39			
3	45	52.44			
perlakuan	4	48.00			
Total	100				

perlakuan	
Chi-Square	2.026

Lampiran	.
df	3
Asymp. Sig.	.567

13. Hasil Uji Mann Whitney

Uji mann whitney aroma

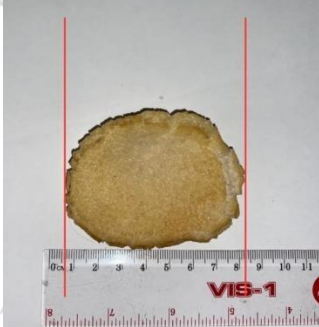
Parameter	Nilai sig uji mann-whitney					
	Grup 1-2	Grup 1-3	Grup 1-4	Grup 2-3	Grup 2-4	Grup 3-4
Aroma	0,202	0,004	0,598	0,074	0,393	0,009

Uji mann whitney tekstur

Parameter	Nilai sig uji mann-whitney					
	Grup 1-2	Grup 1-3	Grup 1-4	Grup 2-3	Grup 2-4	Grup 3-4
Tekstur	0,665	0,103	0,017	0,126	0,020	0,615

Lampiran

14. Gambar produk awal & akhir

Perlakuan	Keterangan	Gambar awal (sebelum digoreng)	Gambar akhir (setelah digoreng)
1	0% STPP		
2	0,4% STPP		
3	0,5% STPP		
4	0,6% STPP		

15. Hasil scan plagiasi skripsi

Lampiran

PENGARUH PENAMBAHAN KONSENTRASI SODIUM TRIPOLYPHOSPHATE (STPP) PADA PEMBUATAN KERUPUK IKAN PAYUS

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