

## 7. LAMPIRAN

### Lampiran 1. Hasil Pengolahan Data dengan Perangkat SPSS

#### ➤ Jenis dan Konsentrasi Tepung pada Bakso Jantung Pisang

- Uji Normalitas

		Tests of Normality <sup>a</sup>					
Perlakuan		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	df	Sig.
<i>hardness</i>	tepung terigu 10%	.290	3	.	.926	3	.476
	tepung terigu 15%	.358	3	.	.814	3	.147
	tepung terigu 20%	.206	3	.	.993	3	.835
	tepung terigu 25%	.369	3	.	.789	3	.088
	tepung terigu 30%	.322	3	.	.881	3	.327
	tepung tapioka 10%	.262	3	.	.956	3	.599
	tepung tapioka 15%	.340	3	.	.849	3	.238
	tepung tapioka 20%	.373	3	.	.780	3	.067
	tepung tapioka 25%	.353	3	.	.824	3	.172
	tepung tapioka 30%	.325	3	.	.876	3	.311
	tepung maizena 10%	.241	3	.	.974	3	.690
	tepung maizena 15%	.206	3	.	.993	3	.838
	tepung maizena 20%	.281	3	.	.937	3	.516
	tepung maizena 25%	.351	3	.	.826	3	.179
	tepung maizena 30%	.275	3	.	.944	3	.543
	bakso sapi	.226	6	.200 <sup>*</sup>	.841	6	.132
<i>springiness</i>	tepung terigu 10%	.367	3	.	.793	3	.098
	tepung terigu 15%	.299	3	.	.914	3	.431
	tepung terigu 20%	.382	3	.	.758	3	.017
	tepung terigu 25%	.343	3	.	.844	3	.224
	tepung terigu 30%	.340	3	.	.848	3	.236
	tepung tapioka 10%	.363	3	.	.801	3	.117
	tepung tapioka 15%	.382	3	.	.758	3	.017
	tepung tapioka 20%	.349	3	.	.832	3	.193
	tepung tapioka 25%	.191	3	.	.997	3	.899
	tepung tapioka 30%	.384	3	.	.753	3	.006
	tepung maizena 10%	.369	3	.	.788	3	.087
	tepung maizena 15%	.252	3	.	.965	3	.640
	tepung maizena 20%	.358	3	.	.813	3	.147
	tepung maizena 25%	.371	3	.	.784	3	.076

kadar_air	tepung maizena 30%	.176	3	.	1.000	3	.977
	bakso sapi	.158	6	.200*	.961	6	.829
	tepung terigu 10%	.181	3	.	.999	3	.942
	tepung terigu 15%	.253	3	.	.964	3	.637
	tepung terigu 20%	.226	3	.	.983	3	.751
	tepung terigu 25%	.320	3	.	.883	3	.334
	tepung terigu 30%	.253	3	.	.964	3	.637
	tepung tapioka 10%	.375	3	.	.774	3	.053
	tepung tapioka 15%	.342	3	.	.845	3	.227
	tepung tapioka 20%	.267	3	.	.952	3	.578
	tepung tapioka 25%	.339	3	.	.850	3	.241
	tepung tapioka 30%	.253	3	.	.964	3	.637
	tepung maizena 10%	.276	3	.	.942	3	.537
	tepung maizena 15%	.337	3	.	.855	3	.253
	tepung maizena 20%	.184	3	.	.999	3	.927
	tepung maizena 25%	.292	3	.	.923	3	.463
	tepung maizena 30%	.187	3	.	.998	3	.915
	bakso sapi	.229	6	.200*	.932	6	.596

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

a. Lilliefors Significance Correction

- Uji Duncan
  - *Hardness*

**Hardness**Duncan<sup>a,b</sup>

Perlakuan	N	Subset for alpha = 0.05				
		1	2	3	4	5
tepung terigu 10%	3	261.96885				
tepung maizena 10%	3	263.19972				
tepung tapioka 10%	3	280.69076	280.69076			
tepung tapioka 15%	3	347.20795	347.20795			
tepung terigu 15%	3	381.11879	381.11879			
tepung maizena 15%	3	475.69523	475.69523	475.69523		
tepung tapioka 20%	3	501.19641	501.19641	501.19641		
tepung terigu 20%	3	510.94822	510.94822	510.94822		
tepung terigu 25%	3	730.92687	730.92687	730.92687		
tepung maizena 20%	3	756.75407	756.75407	756.75407		
tepung terigu 30%	3	775.46946	775.46946	775.46946		
tepung tapioka 25%	3		942.74260	942.74260	942.74260	
tepung tapioka 30%	3			1087.51674	1087.51674	
tepung maizena 25%	3			1117.13542	1117.13542	
tepung maizena 30%	3				1558.57358	
bakso sapi	6					3306.50149
Sig.		.132	.052	.058	.051	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.097.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

▪ *Springiness*

**Springiness**

Duncan<sup>a,b</sup>

Perlakuan	N	Subset for alpha = 0.05					
		1	2	3	4	5	6
tepung terigu 10%	3	1.89727					
tepung terigu 30%	3	2.42174					
tepung maizena 10%	3	2.48912					
tepung terigu 15%	3	2.50922					
tepung terigu 20%	3	2.70808					
tepung terigu 25%	3	4.32692	4.32692				
tepung maizena 30%	3	5.08253	5.08253	5.08253			
tepung maizena 20%	3		7.21764	7.21764	7.21764		
tepung maizena 15%	3		7.97696	7.97696	7.97696		
tepung tapioka 10%	3			8.54603	8.54603	8.54603	
tepung tapioka 25%	3				9.41034	9.41034	9.41034
tepung tapioka 30%	3				11.10452	11.10452	11.10452
tepung tapioka 20%	3				11.24879	11.24879	11.24879
tepung tapioka 15%	3					12.57929	12.57929
tepung maizena 25%	3						12.81944
bakso sapi	6						12.92916
Sig.		.139	.075	.091	.059	.054	.098

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.097.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

- Kadar Air

## kadar\_air

Duncan<sup>a,b</sup>

Perlakuan	N	Subset for alpha = 0.05										
		1	2	3	4	5	6	7	8	9	10	
tepung tapioka 30%	3	59.80000										
tepung maizena 30%	3	60.01333										
tepung tapioka 25%	3		64.15333									
tepung terigu 25%	3		64.61333	64.61333								
tepung terigu 30%	3		64.64667	64.64667								
bakso sapi	6			65.02500								
tepung maizena 20%	3				67.05333							
tepung maizena 25%	3				67.23333							
tepung terigu 20%	3					68.12667						
tepung tapioka 20%	3						69.91333					
tepung maizena 15%	3						70.02667					
tepung terigu 15%	3							71.20667				
tepung tapioka 15%	3								73.09333			
tepung maizena 10%	3								73.28000			
tepung terigu 10%	3									74.60667		
tepung tapioka 10%	3										75.82667	
Sig.		.571	.221	.307	.633	1.000	.763	1.000	.620	1.000	1.000	

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.097.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

## ➤ Organoleptik

- Uji Normalitas

	Formula	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	df	Sig.
	mai 20%	.226	30	.000	.861	30	.001
	mai 25%	.250	30	.000	.873	30	.002
	mai 30%	.224	30	.001	.873	30	.002
	tapizena 20%	.212	30	.001	.902	30	.009
Overall	tapizena 25%	.184	30	.011	.925	30	.036
	tapizena 30%	.199	30	.004	.901	30	.009
	tapioka 20%	.187	30	.009	.951	30	.180
	tapioka 25%	.216	30	.001	.925	30	.037
	tapioka 30%	.232	30	.000	.904	30	.010

a. Lilliefors Significance Correction

\*tapizena= campuran tapioka dan maizena

- Uji Mann-Whitney

- Maizena 20% dan maizena 25%
- Maizena 20% dan tapizena 20%

	Overall
Mann-Whitney U	345.000
Wilcoxon W	810.000
Z	-1.623
Asymp. Sig. (2-tailed)	.105

a. Grouping Variable: formula

	overall
Mann-Whitney U	398.500
Wilcoxon W	863.500
Z	-.791
Asymp. Sig. (2-tailed)	.429

a. Grouping Variable: formula

- Maizena 20% dan maizena 30%
- Maizena 20% dan tapizena 25%

	overall
Mann-Whitney U	368.000
Wilcoxon W	833.000
Z	-1.249
Asymp. Sig. (2-tailed)	.212

a. Grouping Variable: formula

	overall
Mann-Whitney U	412.000
Wilcoxon W	877.000
Z	-.583
Asymp. Sig. (2-tailed)	.560

a. Grouping Variable: formula

- Maizena 20% dan tapizena 30%

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

	Overall
Mann-Whitney U	281.000
Wilcoxon W	746.000
Z	-2.575
Asymp. Sig. (2-tailed)	.010

a. Grouping Variable: formula

- Maizena 25% dan maizena 30%

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

	overall
Mann-Whitney U	448.500
Wilcoxon W	913.500
Z	-.023
Asymp. Sig. (2-tailed)	.982

a. Grouping Variable: formula

- Maizena 20% dan tapioka 20%

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

	Overall
Mann-Whitney U	388.000
Wilcoxon W	853.000
Z	-.945
Asymp. Sig. (2-tailed)	.345

a. Grouping Variable: formula

- Maizena 25% dan tapizena 20%

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

	overall
Mann-Whitney U	377.500
Wilcoxon W	842.500
Z	-1.117
Asymp. Sig. (2-tailed)	.264

a. Grouping Variable: formula

- Maizena 20% dan tapioka 25%

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

	Overall
Mann-Whitney U	371.500
Wilcoxon W	836.500
Z	-1.201
Asymp. Sig. (2-tailed)	.230

a. Grouping Variable: formula

- Maizena 25% dan tapizena 25%

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

	overall
Mann-Whitney U	378.000
Wilcoxon W	843.000
Z	-1.107
Asymp. Sig. (2-tailed)	.268

a. Grouping Variable: formula

- Maizena 20% dan tapioka 30%

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

	Overall
Mann-Whitney U	337.000
Wilcoxon W	802.000
Z	-1.724
Asymp. Sig. (2-tailed)	.085

a. Grouping Variable: formula

- Maizena 25% dan tapizena 30%

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

	overall
Mann-Whitney U	196.500
Wilcoxon W	661.500
Z	-3.843
Asymp. Sig. (2-tailed)	.000

a. Grouping Variable: formula

- Maizena 25% dan tapioka 20%

	overall
Mann-Whitney U	401.500
Wilcoxon W	866.500
Z	-.743
Asymp. Sig. (2-tailed)	.457

a. Grouping Variable: formula

- Maizena 30% dan tapizena 25%

	overall
Mann-Whitney U	403.000
Wilcoxon W	868.000
Z	-.713
Asymp. Sig. (2-tailed)	.476

a. Grouping Variable: formula

- Maizena 25% dan tapioka 25%

	overall
Mann-Whitney U	417.500
Wilcoxon W	882.500
Z	-.502
Asymp. Sig. (2-tailed)	.616

a. Grouping Variable: formula

- Maizena 30% dan tapizena 30%

	overall
Mann-Whitney U	236.500
Wilcoxon W	701.500
Z	-3.230
Asymp. Sig. (2-tailed)	.001

a. Grouping Variable: formula

- Maizena 25% dan tapioka 30%

	overall
Mann-Whitney U	238.500
Wilcoxon W	703.500
Z	-3.206
Asymp. Sig. (2-tailed)	.001

a. Grouping Variable: formula

- Maizena 30% dan tapioka 20%

	overall
Mann-Whitney U	428.000
Wilcoxon W	893.000
Z	-.332
Asymp. Sig. (2-tailed)	.740

a. Grouping Variable: formula

- Maizena 30% dan tapizena 20%

	overall
Mann-Whitney U	416.000
Wilcoxon W	881.000
Z	-.516
Asymp. Sig. (2-tailed)	.606

a. Grouping Variable: formula

- Maizena 30% dan tapioka 25%

	overall
Mann-Whitney U	439.000
Wilcoxon W	904.000
Z	-.167
Asymp. Sig. (2-tailed)	.868

a. Grouping Variable: formula



- Maizena 30% dan tapioka 30%

	overall
Mann-Whitney U	288.500
Wilcoxon W	753.500
Z	-2.443
Asymp. Sig. (2-tailed)	.015

a. Grouping Variable: formula

- Tapizena 20% dan tapioka 25%

	overall
Mann-Whitney U	407.500
Wilcoxon W	872.500
Z	-.656
Asymp. Sig. (2-tailed)	.512

a. Grouping Variable: formula

- Tapizena 20% dan tapizena 25%

	overall
Mann-Whitney U	436.500
Wilcoxon W	901.500
Z	-.207
Asymp. Sig. (2-tailed)	.836

a. Grouping Variable: formula

- Tapizena 20% dan tapioka 30%

	overall
Mann-Whitney U	263.500
Wilcoxon W	728.500
Z	-2.854
Asymp. Sig. (2-tailed)	.004

a. Grouping Variable: formula

- Tapizena 20% dan tapizena 30%

	overall
Mann-Whitney U	214.500
Wilcoxon W	679.500
Z	-3.581
Asymp. Sig. (2-tailed)	.000

a. Grouping Variable: formula

- Tapizena 25% dan tapizena 30%

	overall
Mann-Whitney U	245.000
Wilcoxon W	710.000
Z	-3.112
Asymp. Sig. (2-tailed)	.002

a. Grouping Variable: formula

- Tapizena 20% dan tapioka 20%

	overall
Mann-Whitney U	433.500
Wilcoxon W	898.500
Z	-.254
Asymp. Sig. (2-tailed)	.800

a. Grouping Variable: formula

- Tapizena 25% dan tapioka 20%

	overall
Mann-Whitney U	422.000
Wilcoxon W	887.000
Z	-.427
Asymp. Sig. (2-tailed)	.670

a. Grouping Variable: formula

- Tapizena 25% dan tapioka 25%

	overall
Mann-Whitney U	402.500
Wilcoxon W	867.500
Z	-.726
Asymp. Sig. (2-tailed)	.468

a. Grouping Variable: formula

- Tapizena 30% dan tapioka 30%

	overall
Mann-Whitney U	382.000
Wilcoxon W	847.000
Z	-1.042
Asymp. Sig. (2-tailed)	.297

a. Grouping Variable: formula

- Tapizena 25% dan tapioka 30%

	overall
Mann-Whitney U	297.000
Wilcoxon W	762.000
Z	-2.331
Asymp. Sig. (2-tailed)	.020

a. Grouping Variable: formula

- Tapioka 20% dan tapioka 25%

	overall
Mann-Whitney U	427.000
Wilcoxon W	892.000
Z	-.353
Asymp. Sig. (2-tailed)	.724

a. Grouping Variable: formula

- Tapizena 30% dan tapioka 20%

	overall
Mann-Whitney U	225.500
Wilcoxon W	690.500
Z	-3.395
Asymp. Sig. (2-tailed)	.001

a. Grouping Variable: formula

- Tapioka 20% dan tapioka 30%

	overall
Mann-Whitney U	270.500
Wilcoxon W	735.500
Z	-2.727
Asymp. Sig. (2-tailed)	.006

a. Grouping Variable: formula

- Tapizena 30% dan tapioka 25%

	overall
Mann-Whitney U	210.500
Wilcoxon W	675.500
Z	-3.624
Asymp. Sig. (2-tailed)	.000

a. Grouping Variable: formula

- Tapioka 25% dan tapioka 30%

	overall
Mann-Whitney U	250.500
Wilcoxon W	715.500
Z	-3.029
Asymp. Sig. (2-tailed)	.002

a. Grouping Variable: formula

➤ Uji Normalitas Kadar Air, Antioksidan, Warna, dan Tekstur (Uji Utama)

Tests of Normality							
	tepung	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
kadarair	maizena rebus 1	.214	9	.200 <sup>+</sup>	.912	9	.332
	maizena thawing	.245	9	.127	.922	9	.406
	maizena rebus 2	.162	9	.200 <sup>+</sup>	.933	9	.515
	tapizena rebus 1	.166	9	.200 <sup>+</sup>	.927	9	.453
	tapizena thawing	.177	9	.200 <sup>+</sup>	.875	9	.138
	tapizenaa rebus2	.218	9	.200 <sup>+</sup>	.934	9	.518
	tapioka rebus 1	.197	9	.200 <sup>+</sup>	.908	9	.305
	tapioka thawing	.264	9	.071	.862	9	.101
	tapioka rebus 2	.244	9	.131	.848	9	.071
antioksidan	maizena rebus 1	.211	9	.200 <sup>+</sup>	.889	9	.197
	maizena thawing	.180	9	.200 <sup>+</sup>	.939	9	.573
	maizena rebus 2	.170	9	.200 <sup>+</sup>	.969	9	.884
	tapizena rebus 1	.189	9	.200 <sup>+</sup>	.924	9	.429
	tapizena thawing	.140	9	.200 <sup>+</sup>	.976	9	.944
	tapizenaa rebus2	.160	9	.200 <sup>+</sup>	.915	9	.352
	tapioka rebus 1	.144	9	.200 <sup>+</sup>	.951	9	.700
	tapioka thawing	.166	9	.200 <sup>+</sup>	.957	9	.766
	tapioka rebus 2	.271	9	.055	.843	9	.062
L	maizena rebus 1	.197	9	.200 <sup>+</sup>	.865	9	.110
	maizena thawing	.161	9	.200 <sup>+</sup>	.950	9	.688
	maizena rebus 2	.169	9	.200 <sup>+</sup>	.922	9	.406
	tapizena rebus 1	.121	9	.200 <sup>+</sup>	.986	9	.988
	tapizena thawing	.167	9	.200 <sup>+</sup>	.899	9	.248
	tapizenaa rebus2	.244	9	.131	.840	9	.057
	tapioka rebus 1	.178	9	.200 <sup>+</sup>	.932	9	.501
	tapioka thawing	.184	9	.200 <sup>+</sup>	.913	9	.340
	tapioka rebus 2	.137	9	.200 <sup>+</sup>	.938	9	.565
A	maizena rebus 1	.171	9	.200 <sup>+</sup>	.947	9	.660
	maizena thawing	.215	9	.200 <sup>+</sup>	.904	9	.275
	maizena rebus 2	.171	9	.200 <sup>+</sup>	.937	9	.553
	tapizena rebus 1	.112	9	.200 <sup>+</sup>	.979	9	.961
	tapizena thawing	.143	9	.200 <sup>+</sup>	.978	9	.954
	tapizenaa rebus2	.224	9	.200 <sup>+</sup>	.923	9	.417
	tapioka rebus 1	.164	9	.200 <sup>+</sup>	.970	9	.898
	tapioka thawing	.230	9	.185	.895	9	.224
	tapioka rebus 2	.129	9	.200 <sup>+</sup>	.958	9	.781

	maizena rebus 1	.238	9	.150	.894	9	.221
	maizena thawing	.179	9	.200*	.923	9	.421
	maizena rebus 2	.160	9	.200*	.969	9	.886
	tapizena rebus 1	.197	9	.200*	.935	9	.526
B	tapizena thawing	.242	9	.137	.864	9	.106
	tapizena rebus2	.191	9	.200*	.948	9	.666
	tapioka rebus 1	.128	9	.200*	.958	9	.778
	tapioka thawing	.189	9	.200*	.949	9	.676
	tapioka rebus 2	.135	9	.200*	.967	9	.864
	maizena rebus 1	.163	9	.200*	.973	9	.916
	maizena thawing	.213	9	.200*	.862	9	.102
	maizena rebus 2	.189	9	.200*	.974	9	.925
	tapizena rebus 1	.195	9	.200*	.935	9	.527
<i>hardness</i>	tapizena thawing	.230	9	.187	.914	9	.342
	tapizena rebus2	.218	9	.200*	.861	9	.097
	tapioka rebus 1	.217	9	.200*	.909	9	.307
	tapioka thawing	.178	9	.200*	.902	9	.265
	tapioka rebus 2	.192	9	.200*	.944	9	.621
	maizena rebus 1	.221	9	.200*	.891	9	.203
	maizena thawing	.258	9	.087	.927	9	.449
	maizena rebus 2	.205	9	.200*	.857	9	.089
	tapizena rebus 1	.218	9	.200*	.913	9	.339
<i>springiness</i>	tapizena thawing	.140	9	.200*	.956	9	.752
	tapizena rebus2	.191	9	.200*	.960	9	.795
	tapioka rebus 1	.189	9	.200*	.911	9	.322
	tapioka thawing	.216	9	.200*	.870	9	.123
	tapioka rebus 2	.216	9	.200*	.866	9	.111

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

- a. Lilliefors Significance Correction
- b. Tapizena= gabungan tapioka dan maizena

- Uji Duncan Kadar Air

**Kadarair**

Duncan<sup>a,b,c</sup>

Tepung	N	Subset			
		1	2	3	4
tepung tapioka rebus 1	9	63.38667			
tepung tapioka thawing	9	63.51667			
tepung maizena thawing	9	63.57556			
tepung maizena rebus 1	9	63.85556			
tepung maizena +tapioka rebus 1	9	63.85889			
tepung maizena +tapioka thawing	9	63.90333			
tepung tapioka rebus 2	9		65.20778		
tepung maizena +tapioka rebus2	9			66.80333	
tepung maizena rebus 2	9				69.54222
Sig.		.435	1.000	1.000	1.000

- Uji Duncan Antioksidan

**Antioksidan**

Duncan<sup>a,b,c</sup>

Tepung	N	Subset					
		1	2	3	4	5	6
tepung tapioka rebus 1	9	45.4055					
tepung tapioka rebus 2	9	48.7322	48.7322				
tepung maizena+tapioka rebus2	9	51.2533	51.2533	51.2533			
tepung tapioka thawing	9	52.4844	52.4844	52.4844			
tepung maizena+tapioka thawing	9		55.4222	55.4222	55.4222		
tepung maizena+tapioka rebus 1	9			58.1189	58.1189		
tepung maizena rebus 2	9				60.5911	60.5911	
tepung maizena rebus 1	9					66.2644	66.2644
tepung maizena thawing	9						69.4356
Sig.		.071	.088	.080	.173	.114	.374

- Uji Duncan Warna

L

Duncan<sup>a,b,c</sup>

Tepung	N	Subset			
		1	2	3	4
tepung tapioka thawing	9	54.45444			
tepung tapioka rebus 2	9	54.59556			
tepung tapioka rebus 1	9	55.03667	55.03667		
tepung maizena +tapioka rebus2	9		56.61556	56.61556	
tepung maizena rebus 2	9		56.83333	56.83333	
tepung maizena +tapioka thawing	9			57.38444	
tepung maizena +tapioka rebus 1	9			57.55889	
tepung jagung rebus 1	9			57.92778	
tepung maizena thawing	9				62.02222
Sig.		.557	.069	.213	1.000

A

Duncan<sup>a,b,c</sup>

Tepung	N	Subset			
		1	2	3	4
tepung maizena rebus 1	9	1.64556			
tepung maizena +tapioka thawing	9	1.78667	1.78667		
tepung maizena +tapioka rebus2	9		1.96667	1.96667	
tepung maizena +tapioka rebus 1	9		1.99556	1.99556	
tepung tapioka thawing	9		2.02889	2.02889	
tepung tapioka rebus 2	9			2.20778	2.20778
tepung maizena rebus 2	9			2.22444	2.22444
tepung maizena thawing	9			2.25222	2.25222
tepung tapioka rebus 1	9				2.37333
Sig.		.281	.092	.056	.252

**B**Duncan<sup>a,b,c</sup>

Tepung	N	Subset		
		1	2	3
tepung tapioka rebus 2	9	9.25000		
tepung maizena +tapioka rebus2	9	9.35111		
tepung tapioka thawing	9	9.38222		
tepung maizena rebus 1	9	9.78778	9.78778	
tepung maizena rebus 2	9	9.88444	9.88444	
tepung maizena +tapioka thawing	9	10.19333	10.19333	
tepung tapioka rebus 1	9		10.52333	
tepung maizena +tapioka rebus 1	9		10.54889	
tepung maizena thawing	9			12.29333
Sig.		.068	.135	1.000

- Uji Duncan Tekstur

**Hardness**Duncan<sup>a,b,c</sup>

Tepung	N	Subset				
		1	2	3	4	5
tepung tapioka rebus 1	9	642.73888				
tepung tapioka rebus 2	9		808.38559			
tepung maizena +tapioka rebus2	9		902.73419	902.73419		
tepung maizena +tapioka rebus 1	9			1007.99799		
tepung tapioka thawing	9				1202.31175	
tepung maizena rebus 2	9				1225.98242	
tepung maizena thawing	9				1241.90681	
tepung maizena rebus 1	9				1327.21728	1327.21728
tepung maizena+tapioka thawing	9					1387.70267
Sig.		1.000	.134	.095	.069	.334

**Springiness**Duncan<sup>a,b,c</sup>

Tepung	N	Subset				
		1	2	3	4	5
tepung maizena thawing	9	3.12961				
tepung maizena +tapioka thawing	9	3.55315				
tepung maizena rebus 2	9	3.61996				
tepung maizena rebus 1	9	4.07736	4.07736			
tepung maizena +tapioka rebus2	9		5.16345			
tepung maizena +tapioka rebus 1	9			7.28283		
tepung tapioka thawing	9				8.48302	
tepung tapioka rebus 2	9					10.26612
tepung tapioka rebus 1	9					10.62352
Sig.		.145	.068	1.000	1.000	.544

**Cohesiveness**Duncan<sup>a,b</sup>

Tepung	N	Subset				
		1	2	3	4	5
tepung maizena thawing	9	.02949				
tepung maizena rebus 2	9	.03406				
tepung maizena rebus 1	9	.03550				
tepung maizena +tapioka thawing	9	.04048				
tepung maizena +tapioka rebus2	9		.10579			
tepung maizena +tapioka rebus 1	9			.15054		
tepung tapioka thawing	9			.16039		
tepung tapioka rebus 2	9				.26163	
tepung tapioka rebus 1	9					.32671
Sig.		.658	1.000	.659	1.000	1.000



➤ Uji Normalitas Kadar Lemak, Protein, dan Serat Kasar (Uji Utama)

Tests of Normality

	Tepung	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Protein	tepung maizena	.157	9	.200 <sup>+</sup>	.962	9	.820
	tepung maizena +tapioka	.222	9	.200 <sup>+</sup>	.909	9	.309
	tepung tapioka	.197	9	.200 <sup>+</sup>	.958	9	.775
Lemak	Tepung maizena	.116	9	.200 <sup>+</sup>	.988	9	.992
	tepung maizena +tapioka	.186	9	.200 <sup>+</sup>	.946	9	.642
	tepung tapioka	.146	9	.200 <sup>+</sup>	.929	9	.468
Seratkasar	tepung maizena	.199	9	.200 <sup>+</sup>	.823	9	.037
	tepung maizena +tapioka	.272	9	.053	.842	9	.061
	tepung tapioka	.257	9	.089	.819	9	.033

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

a. Lilliefors Significance Correction

• Uji Duncan Kadar Lemak

Duncan<sup>a</sup>

Tepung	N	Subset for alpha = 0.05		
		1	2	3
tepung tapioka	9	1.85378		
tepung maizena+tapioka	9		2.43311	
tepung maizena	9			2.79567
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

• Uji Duncan Kadar Protein

Duncan<sup>a</sup>

Tepung	N	Subset for alpha = 0.05	
		1	2
tepung tapioka	9	1.93778	
tepung maizena +tapioka	9		2.04922
tepung maizena	9		2.09256
Sig.		1.000	.429

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.

- Uji Duncan Kadar Serat Kasar

Duncan<sup>a</sup>

Tepung	N	Subset for alpha = 0.05
		1
tepung maizena	9	3.55500
tepung tapioka	9	3.76856
tepung maizena +tapioka	9	3.81178
Sig.		.178

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 9.000.



**Lampiran 2. Worksheet Uji Rating Hedonik**

**Worksheet Uji Rating Hedonik 1  
(Panelis 1-15)**

Tanggal uji :

Jenis sampel : Bakso

**Identifikasi sampel**

Bakso jantung pisang tepung maizena 20%

Bakso jantung pisang tepung maizena 25%

Bakso jantung pisang tepung maizena 30%

Bakso jantung pisang tepung tapioka 20%

Bakso jantung pisang tepung tapioka 25%

Bakso jantung pisang tepung tapioka 30%

**Kode**

A

B

C

D

E

F

**Kode kombinasi urutan penyajian :**

ABCDEF = 1

ADBECF = 2

FEDCBA = 3

FCEBDA = 4

**Penyajian :**

Booth	Panelis	Kode Sampel
1	1, 5, 9, 13	862 223 756 544 681 199
11	2, 6, 10, 14	245 537 398 829 954 113
111	3, 7, 11, 15	941 614 522 266 183 458
1V	4, 8, 12	933 174 547 765 459 396

**Rekap Kode Sampel :**

Sampel A	862 245 458 396
Sampel B	223 398 183 765
Sampel C	756 954 266 174
Sampel D	544 537 522 459
Sampel E	681 829 614 547
Sampel F	199 113 941 933

## **Worksheet Uji Rating Hedonik 2 (Panelis 16-30)**

Tanggal uji :

Jenis sampel : Bakso

### **Identifikasi sampel**

Bakso jantung pisang tepung maizena + tapioka 20%

Bakso jantung pisang tepung maizena + tapioka 25%

Bakso jantung pisang tepung maizena + tapioka 30%

Bakso jantung pisang tepung tapioka 20%

Bakso jantung pisang tepung tapioka 25%

Bakso jantung pisang tepung tapioka 30%

### **Kode**

A

B

C

D

E

F

### **Kode kombinasi urutan penyajian :**

ABCDEF = 1

ADBECF = 2

FEDCBA = 3

FCEBDA = 4

### **Penyajian :**

<b>Booth</b>	<b>Panelis</b>	<b>Kode Sampel</b>
1	1, 5, 9, 13	862 223 756 544 681 199
11	2, 6, 10, 14	245 537 398 829 954 113
111	3, 7, 11, 15	941 614 522 266 183 458
1V	4, 8, 12	933 174 547 765 459 396

### **Rekap Kode Sampel :**

Sampel A	862 245 458 396
Sampel B	223 398 183 765
Sampel C	756 954 266 174
Sampel D	544 537 522 459
Sampel E	681 829 614 547
Sampel F	199 113 941 933

## **Worksheet Uji Rating Hedonik 3 (Panelis 31-45)**

Tanggal uji :  
Jenis sampel : Bakso

### **Identifikasi sampel**

<b>Identifikasi sampel</b>	<b>Kode</b>
Bakso jantung pisang tepung maizena 20%	A
Bakso jantung pisang tepung maizena 25%	B
Bakso jantung pisang tepung maizena 30%	C
Bakso jantung pisang tepung tapioka + tapioka 20%	D
Bakso jantung pisang tepung tapioka + tapioka 25%	E
Bakso jantung pisang tepung tapioka + tapioka 30%	F

### **Kode kombinasi urutan penyajian :**

ABCDEF = 1  
ADBEFC = 2  
FEDCBA = 3  
FCEBDA = 4

### **Penyajian :**

Booth	Panelis	Kode Sampel
1	1, 5, 9, 13	862 223 756 544 681 199
11	2, 6, 10, 14	245 537 398 829 954 113
111	3, 7, 11, 15	941 614 522 266 183 458
1V	4, 8, 12	933 174 547 765 459 396

### **Rekap Kode Sampel :**

Sampel A	862 245 458 396
Sampel B	223 398 183 765
Sampel C	756 954 266 174
Sampel D	544 537 522 459
Sampel E	681 829 614 547
Sampel F	199 113 941 933

### Lampiran 3. Kuesioner Uji Rating Hedonik

## ANALISA SENSORI BAKSO JANTUNG PISANG

Tanggal :

Nomer :  
 Nama :  
 Produk : Bakso

Instruksi :

Di hadapan Anda terdapat 6 sampel bakso. Berilah penilaian pada masing-masing sampel secara berurutan dari kiri ke kanan untuk atribut **warna**, **kekenyalan**, **rasa**, dan kesukaan Anda terhadap bakso secara keseluruhan (*overall*) dari skala 1 hingga 7, dengan keterangan sebagai berikut :

- 1 : sangat tidak suka sekali
- 2 : sangat tidak suka
- 3 : tidak suka
- 4 : netral
- 5 : suka
- 6 : sangat suka
- 7 : sangat suka sekali.

- \*) Untuk memberi nilai pada atribut kekenyalan, sampel dikunyah 3 kali.
- \*) Anda wajib membilas lidah dengan air putih setelah mencicipi 1 sampel.

Kode Sampel	Warna	Kekenyalan	Rasa	Overall

**Komentar**

Warna \_\_\_\_\_ :

Kekenyalan \_\_\_\_\_ :

Rasa \_\_\_\_\_ :

Overall \_\_\_\_\_ :

**Terima Kasih**