



**7. LAMPIRAN**  
**7.2. Analisis SPSS**

**Lampiran 1. Uji Normalitas.**

a. Uji *Texture Analyzer*

**Tests of Normality**

	kadar	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
hasil_Tekstur	0%	.248	6	.200*	.830	6	.107
	15%	.277	6	.165	.854	6	.170
	20%	.264	6	.200*	.851	6	.159
	25%	.271	6	.193	.873	6	.238

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

a. Lilliefors Significance Correction

b. Uji Volume Pengembangan

**Tests of Normality**

	kadar	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
hasil_VolumePengembangan	0%	.322	6	.051	.860	6	.189
	15%	.216	6	.200*	.877	6	.258
	20%	.298	6	.104	.884	6	.287
	25%	.252	6	.200*	.867	6	.214

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

a. Lilliefors Significance Correction

## c. Uji Kadar Air

**Tests of Normality**

	kadar	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
hasil_KdrAir	0%	.300	6	.097	.811	6	.073
	15%	.339	6	.030	.833	6	.113
	20%	.189	6	.200*	.978	6	.941
	25%	.182	6	.200*	.967	6	.870

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

a. Lilliefors Significance Correction

## d. Uji Kadar Abu

**Tests of Normality**

	kadar	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
hasil_Antioksidan	0%	.238	6	.200*	.950	6	.737
	15%	.128	6	.200*	.993	6	.996
	20%	.177	6	.200*	.947	6	.713
	25%	.167	6	.200*	.937	6	.633

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

a. Lilliefors Significance Correction

## e. Uji Kadar Protein

**Tests of Normality**

	kadar	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
hasil_protein	0%	.167	6	.200*	.963	6	.843
	15%	.285	6	.138	.892	6	.330
	20%	.290	6	.125	.840	6	.131
	25%	.202	6	.200*	.939	6	.649

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

a. Lilliefors Significance Correction

## f. Uji Kadar Lemak

**Tests of Normality**

	kadar	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
hasil_Lemak	0%	.205	6	.200 <sup>*</sup>	.925	6	.541
	15%	.208	6	.200 <sup>*</sup>	.893	6	.336
	20%	.268	6	.200 <sup>*</sup>	.808	6	.069
	25%	.220	6	.200 <sup>*</sup>	.914	6	.464

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

a. Lilliefors Significance Correction

## g. Uji Kadar Karbohidrat

**Tests of Normality**

	kadar	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
hasil_karbo	0%	.254	6	.200 <sup>*</sup>	.868	6	.217
	15%	.210	6	.200 <sup>*</sup>	.924	6	.537
	20%	.271	6	.191	.866	6	.209
	25%	.171	6	.200 <sup>*</sup>	.942	6	.679

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

a. Lilliefors Significance Correction

## h. Uji Aktivitas Antioksidan

**Tests of Normality**

	kadar	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
hasil_Antioksidan	0%	.238	6	.200 <sup>*</sup>	.950	6	.737
	15%	.128	6	.200 <sup>*</sup>	.993	6	.996
	20%	.177	6	.200 <sup>*</sup>	.947	6	.713
	25%	.167	6	.200 <sup>*</sup>	.937	6	.633

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

a. Lilliefors Significance Correction

## Lampiran 2. Uji One way Anova.

### a. Uji Texture Analyzer

**hasil\_Tekstur**

Duncan<sup>a</sup>

kadar	N	Subset for alpha = 0.05		
		1	2	3
0%	6	854.0000		
15%	6		1973.3833	
20%	6			2619.7333
25%	6			2673.4333
Sig.		1.000	1.000	.766

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

### b. Uji Volume Pengembangan

**hasil\_VolumePengembangan**

Duncan<sup>a</sup>

kadar	N	Subset for alpha = 0.05	
		1	2
0%	6	1.3533	
15%	6	1.4917	
20%	6	3.5533	
25%	6		6.5900
Sig.		.064	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

## c. Uji Kadar Air

**hasil\_KdrAir**

Duncan<sup>a</sup>

kadar	N	Subset for alpha = 0.05			
		1	2	3	4
25%	6	46.0597			
20%	6		56.1790		
15%	6			66.5512	
0%	6				73.6657
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

## d. Uji Kadar Abu

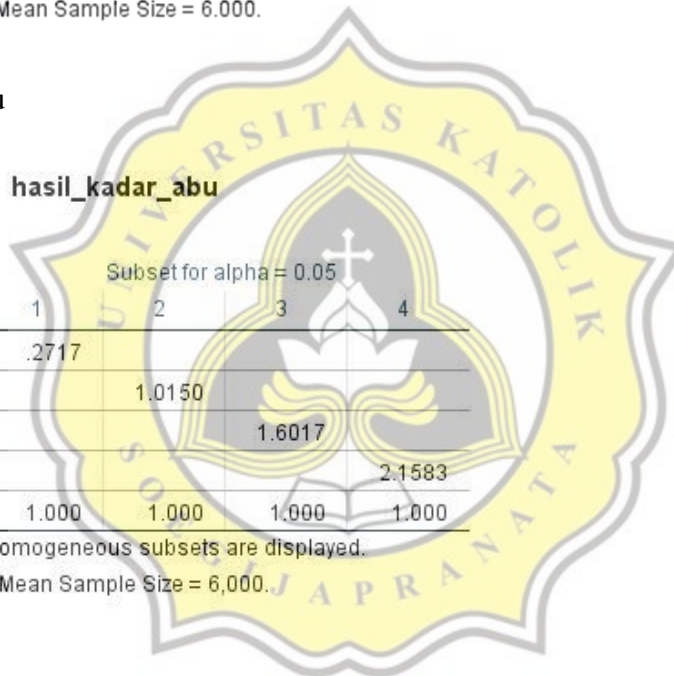
**hasil\_kadar\_abu**

Duncan<sup>a</sup>

kadar	N	Subset for alpha = 0.05			
		1	2	3	4
0%	6	.2717			
15%	6		1.0150		
20%	6			1.6017	
25%	6				2.1583
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.



## e. Uji Kadar Protein

**hasil\_protein**

Duncan<sup>a</sup>

kadar	N	Subset for alpha = 0.05		
		1	2	3
0%	6	.633		
15%	6		1.833	
20%	6		2.050	2.050
25%	6			2.367
Sig.		1.000	.266	.110

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

## f. Uji Kadar Lemak

**hasil\_Lemak**

Duncan<sup>a</sup>

kadar	N	Subset for alpha = 0.05	
		1	2
0%	6	.184	
15%	6	.321	.321
20%	6	.399	.399
25%	6		.744
Sig.		.311	.053

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

## g. Uji Kadar Karbohidrat

**hasil\_karbo**Duncan<sup>a</sup>

kadar	N	Subset for alpha = 0.05		
		1	2	3
25%	6	84.866		
20%	6		91.064	
15%	6		91.536	
0%	6			96.902
Sig.		1.000	.650	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

## h. Uji Aktivitas Antioksidan

**hasil\_Antioksidan**Duncan<sup>a</sup>

kadar	N	Subset for alpha = 0.05		
		1	2	3
0%	6	.3333		
15%	6		31.3667	
20%	6		35.1333	
25%	6			65.0167
Sig.		1.000	.728	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.



**Lampiran 3. Uji Validitas.**

**Correlations**

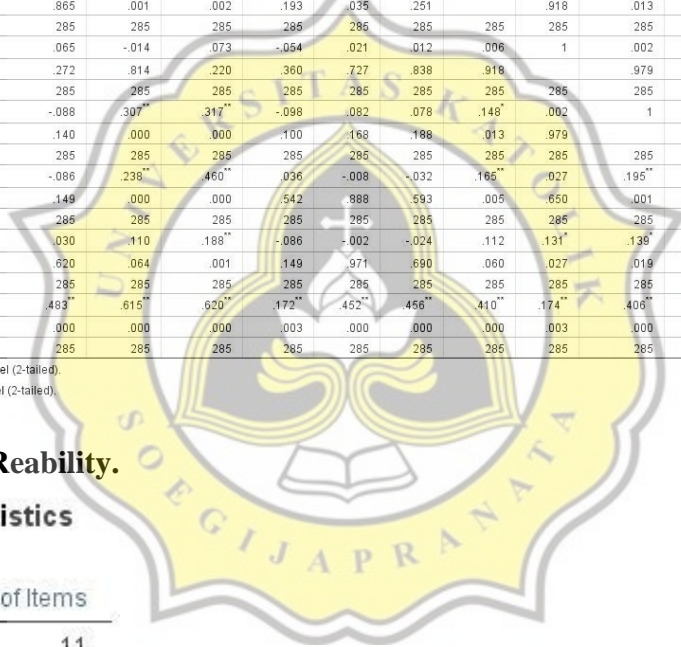
		warna_disuka	suka_tidak	varianwarna	boba_mhl	merk_tdk	mhl_enk	gayahidup	chewtdk	trynewariant	inovasikesehatan	hrg_kualitas	tot_smua
warna_disuka	Pearson Correlation	1	.188**	.071	.007	.051	.123*	.010	.065	-.088	-.086	.030	.483**
	Sig. (2-tailed)		.001	.233	.911	.387	.038	.865	.272	.140	.149	.620	.000
suka_tidak	Pearson Correlation	.188**	1	.570**	-.091	.223**	.122*	.201**	-.014	.307**	.238**	.110	.615**
	Sig. (2-tailed)	.001		.000	.123	.000	.040	.001	.814	.000	.000	.064	.000
varianwarna	Pearson Correlation	.071	.570**	1	-.015	.125*	.140*	.179**	.073	.317**	.460**	.188**	.620**
	Sig. (2-tailed)	.233	.000		.803	.035	.018	.002	.220	.000	.000	.001	.000
boba_mhl	Pearson Correlation	.007	-.091	-.015	1	-.065	-.023	.077	-.054	-.098	.036	-.086	.172**
	Sig. (2-tailed)	.911	.123	.803		.273	.700	.193	.360	.100	.542	.149	.003
merk_tdk	Pearson Correlation	.051	.223**	.125*	-.065	1	.442**	.125*	.021	.082	-.008	-.002	.452**
	Sig. (2-tailed)	.387	.000	.035	.273		.000	.035	.727	.168	.888	.971	.000
mhl_enk	Pearson Correlation	.123*	.122*	.140*	-.023	.442**	1	.068	.012	.078	-.032	-.024	.456**
	Sig. (2-tailed)	.038	.040	.018	.700	.000		.251	.838	.188	.593	.690	.000
gayahidup	Pearson Correlation	.010	.201**	.179**	.077	.125*	.068	1	.006	.148*	.165**	.112	.410**
	Sig. (2-tailed)	.865	.001	.002	.193	.035	.251		.918	.013	.005	.060	.000
chewtdk	Pearson Correlation	.065	-.014	.073	-.054	.021	.012	.006	1	.002	.027	.131*	.174**
	Sig. (2-tailed)	.272	.814	.220	.360	.727	.838	.918		.979	.650	.027	.003
trynewariant	Pearson Correlation	-.088	.307**	.317**	-.098	.082	.078	.148*	.002	1	.195**	.139*	.406**
	Sig. (2-tailed)	.140	.000	.000	.100	.168	.188	.013	.979		.001	.019	.000
inovasikesehatan	Pearson Correlation	-.086	.238**	.460**	.036	-.008	-.032	.165**	.027	.195**	1	.100	.379**
	Sig. (2-tailed)	.149	.000	.000	.542	.888	.593	.005	.650	.001		.093	.000
hrg_kualitas	Pearson Correlation	.030	.110	.188**	-.086	-.002	-.024	.112	.131*	.138*	.100	1	.303**
	Sig. (2-tailed)	.620	.064	.001	.149	.971	.690	.060	.027	.019	.093		.000
tot_smua	Pearson Correlation	.483**	.615**	.620**	.172**	.452**	.456**	.410**	.174**	.406**	.379**	.303**	1
	Sig. (2-tailed)	.000	.000	.000	.003	.000	.000	.000	.003	.000	.000	.000	.000

\*\* . Correlation is significant at the 0.01 level (2-tailed).  
 \* . Correlation is significant at the 0.05 level (2-tailed).

**Lampiran 4. Uji Reability.**

**Reliability Statistics**

Cronbach's Alpha	N of Items
.637	11



## Lampiran 5. Uji Karakteristik Responden

### a. Berdasarkan Umur

**umur \* warna\_disuka Crosstabulation**

		warna_disuka			Total	
		gambar 1	gambar 2	gambar		
umur	remaja	Count	57	7	29	93
		% within umur	61.3%	7.5%	31.2%	100.0%
	dewasa	Count	100	28	32	160
		% within umur	62.5%	17.5%	20.0%	100.0%
	lansia	Count	13	7	12	32
		% within umur	40.6%	21.9%	37.5%	100.0%
Total		Count	170	42	73	285
		% within umur	59.6%	14.7%	25.6%	100.0%

**umur \* suka\_tidaksuka Crosstabulation**

		suka_tidaksuka		Total	
		ya	tidak		
umur	remaja	Count	66	27	93
		% within umur	71.0%	29.0%	100.0%
	dewasa	Count	130	30	160
		% within umur	81.3%	18.8%	100.0%
	lansia	Count	15	17	32
		% within umur	46.9%	53.1%	100.0%
Total		Count	211	74	285
		% within umur	74.0%	26.0%	100.0%

**umur \* varian\_warna Crosstabulation**

		varian_warna		Total	
		ya	tidak		
umur	remaja	Count	74	19	93
		% within umur	79.6%	20.4%	100.0%
	dewasa	Count	137	23	160
		% within umur	85.6%	14.4%	100.0%
	lansia	Count	22	10	32
		% within umur	68.8%	31.3%	100.0%
Total		Count	233	52	285
		% within umur	81.8%	18.2%	100.0%

**umur \* boba\_mahal\_tidak Crosstabulation**

		boba_mahal_tidak		Total	
		ya	tidak		
umur	remaja	Count	66	27	93
		% within umur	71.0%	29.0%	100.0%
	dewasa	Count	130	30	160
		% within umur	81.3%	18.8%	100.0%
	lansia	Count	15	17	32
		% within umur	46.9%	53.1%	100.0%
Total		Count	211	74	285
		% within umur	74.0%	26.0%	100.0%

**umur \* merk\_tidak Crosstabulation**

		merk_tidak		Total	
		ya	tidak		
umur	remaja	Count	62	31	93
		% within umur	66.7%	33.3%	100.0%
	dewasa	Count	108	52	160
		% within umur	67.5%	32.5%	100.0%
	lansia	Count	15	17	32
		% within umur	46.9%	53.1%	100.0%
Total		Count	185	100	285
		% within umur	64.9%	35.1%	100.0%

**umur \* mahal\_enak Crosstabulation**

		mahal_enak		Total	
		ya	tidak		
umur	remaja	Count	48	45	93
		% within umur	51.6%	48.4%	100.0%
	dewasa	Count	83	77	160
		% within umur	51.9%	48.1%	100.0%
	lansia	Count	10	22	32
		% within umur	31.3%	68.8%	100.0%
Total		Count	141	144	285
		% within umur	49.5%	50.5%	100.0%

**umur \* gaya\_hidup Crosstabulation**

		gaya_hidup		Total	
		ya	tidak		
umur	remaja	Count	17	76	93
		% within umur	18.3%	81.7%	100.0%
	dewasa	Count	34	126	160
		% within umur	21.3%	78.8%	100.0%
	lansia	Count	2	30	32
		% within umur	6.3%	93.8%	100.0%
Total		Count	53	232	285
		% within umur	18.6%	81.4%	100.0%

**umur \* chewy\_tidak Crosstabulation**

		chewy_tidak		Total	
		ya	tidak		
umur	remaja	Count	45	48	93
		% within umur	48.4%	51.6%	100.0%
	dewasa	Count	77	83	160
		% within umur	48.1%	51.9%	100.0%
	lansia	Count	15	17	32
		% within umur	46.9%	53.1%	100.0%
Total		Count	137	148	285
		% within umur	48.1%	51.9%	100.0%

**umur \* try\_newvariant Crosstabulation**

		try_newvariant		Total	
		ya	tidak		
umur	remaja	Count	48	45	93
		% within umur	51.6%	48.4%	100.0%
	dewasa	Count	83	77	160
		% within umur	51.9%	48.1%	100.0%
	lansia	Count	10	22	32
		% within umur	31.3%	68.8%	100.0%
Total		Count	141	144	285
		% within umur	49.5%	50.5%	100.0%

**umur \* harga\_kualitas Crosstabulation**

		harga_kualitas		Total	
		ya	tidak		
umur	remaja	Count	74	19	93
		% within umur	79.6%	20.4%	100.0%
	dewasa	Count	137	23	160
		% within umur	85.6%	14.4%	100.0%
	lansia	Count	28	4	32
		% within umur	87.5%	12.5%	100.0%
Total		Count	239	46	285
		% within umur	83.9%	16.1%	100.0%

**umur \* inovasi\_kesehatan Crosstabulation**

		inovasi_kesehatan		Total	
		ya	tidak		
umur	remaja	Count	63	30	93
		% within umur	67.7%	32.3%	100.0%
	dewasa	Count	114	46	160
		% within umur	71.3%	28.7%	100.0%
	lansia	Count	20	12	32
		% within umur	62.5%	37.5%	100.0%
Total		Count	197	88	285
		% within umur	69.1%	30.9%	100.0%

## b. Berdasarkan Jenis Kelamin

**Jenis\_Kelamin \* warna\_disuka Crosstabulation**

		warna_disuka			Total	
		gambar 1	gambar 2	gambar		
Jenis_Kelamin	laki-laki	Count	69	21	33	123
		% within Jenis_Kelamin	56.1%	17.1%	26.8%	100.0%
	perempuan	Count	101	21	40	162
		% within Jenis_Kelamin	62.3%	13.0%	24.7%	100.0%
Total		Count	170	42	73	285
		% within Jenis_Kelamin	59.6%	14.7%	25.6%	100.0%

**Jenis\_Kelamin \* suka\_tidak\_suka Crosstabulation**

		suka_tidak_suka		Total	
		ya	tidak		
Jenis_Kelamin	laki-laki	Count	75	48	123
		% within Jenis_Kelamin	61.0%	39.0%	100.0%
	perempuan	Count	136	26	162
		% within Jenis_Kelamin	84.0%	16.0%	100.0%
Total		Count	211	74	285
		% within Jenis_Kelamin	74.0%	26.0%	100.0%

**Jenis\_Kelamin \* varian\_warna Crosstabulation**

		varian_warna		Total	
		ya	tidak		
Jenis_Kelamin	laki-laki	Count	92	31	123
		% within Jenis_Kelamin	74.8%	25.2%	100.0%
	perempuan	Count	141	21	162
		% within Jenis_Kelamin	87.0%	13.0%	100.0%
Total		Count	233	52	285
		% within Jenis_Kelamin	81.8%	18.2%	100.0%

**Jenis\_Kelamin \* boba\_mahal\_tidak Crosstabulation**

		boba_mahal_tidak		Total	
		ya	tidak		
Jenis_Kelamin	laki-laki	Count	75	48	123
		% within Jenis_Kelamin	61.0%	39.0%	100.0%
	perempuan	Count	136	26	162
		% within Jenis_Kelamin	84.0%	16.0%	100.0%
Total		Count	211	74	285
		% within Jenis_Kelamin	74.0%	26.0%	100.0%

**Jenis\_Kelamin \* merk\_tidak Crosstabulation**

		merk_tidak		Total	
		ya	tidak		
Jenis_Kelamin	laki-laki	Count	77	46	123
		% within Jenis_Kelamin	62.6%	37.4%	100.0%
	perempuan	Count	108	54	162
		% within Jenis_Kelamin	66.7%	33.3%	100.0%
Total		Count	185	100	285
		% within Jenis_Kelamin	64.9%	35.1%	100.0%

**Jenis\_Kelamin \* mahal\_enak Crosstabulation**

			mahal_enak		Total
			ya	tidak	
Jenis_Kelamin	laki-laki	Count	59	64	123
		% within Jenis_Kelamin	48.0%	52.0%	100.0%
	perempuan	Count	82	80	162
		% within Jenis_Kelamin	50.6%	49.4%	100.0%
Total		Count	141	144	285
		% within Jenis_Kelamin	49.5%	50.5%	100.0%

**Jenis\_Kelamin \* gaya\_hidup Crosstabulation**

			gaya_hidup		Total
			ya	tidak	
Jenis_Kelamin	laki-laki	Count	19	104	123
		% within Jenis_Kelamin	15.4%	84.6%	100.0%
	perempuan	Count	34	128	162
		% within Jenis_Kelamin	21.0%	79.0%	100.0%
Total		Count	53	232	285
		% within Jenis_Kelamin	18.6%	81.4%	100.0%

**Jenis\_Kelamin \* chewy\_tidak Crosstabulation**

			chewy_tidak		Total
			ya	tidak	
Jenis_Kelamin	laki-laki	Count	55	68	123
		% within Jenis_Kelamin	44.7%	55.3%	100.0%
	perempuan	Count	82	80	162
		% within Jenis_Kelamin	50.6%	49.4%	100.0%
Total		Count	137	148	285
		% within Jenis_Kelamin	48.1%	51.9%	100.0%

**Jenis\_Kelamin \* try\_newvariant Crosstabulation**

			try_newvariant		Total
			ya	tidak	
Jenis_Kelamin	laki-laki	Count	59	64	123
		% within Jenis_Kelamin	48.0%	52.0%	100.0%
	perempuan	Count	82	80	162
		% within Jenis_Kelamin	50.6%	49.4%	100.0%
Total		Count	141	144	285
		% within Jenis_Kelamin	49.5%	50.5%	100.0%

### Jenis\_Kelamin \* harga\_kualitas Crosstabulation

			harga_kualitas		Total
			ya	tidak	
Jenis_Kelamin	laki-laki	Count	106	17	123
		% within Jenis_Kelamin	86.2%	13.8%	100.0%
	perempuan	Count	133	29	162
		% within Jenis_Kelamin	82.1%	17.9%	100.0%
Total		Count	239	46	285
		% within Jenis_Kelamin	83.9%	16.1%	100.0%

### Jenis\_Kelamin \* inovasi\_kesehatan Crosstabulation

			inovasi_kesehatan		Total
			ya	tidak	
Jenis_Kelamin	laki-laki	Count	86	37	123
		% within Jenis_Kelamin	69.9%	30.1%	100.0%
	perempuan	Count	111	51	162
		% within Jenis_Kelamin	68.5%	31.5%	100.0%
Total		Count	197	88	285
		% within Jenis_Kelamin	69.1%	30.9%	100.0%

### c. Berdasarkan Pekerjaan

#### pekerjaan \* warna\_disuka Crosstabulation

			warna_disuka			Total
			gambar 1	gambar 2	gambar	
pekerjaan	pelajar/mahasiswa	Count	97	15	36	148
		% within pekerjaan	65.5%	10.1%	24.3%	100.0%
	karyawan	Count	20	9	12	41
		% within pekerjaan	48.8%	22.0%	29.3%	100.0%
	wirausaha	Count	34	13	10	57
		% within pekerjaan	59.6%	22.8%	17.5%	100.0%
lain-lain	Count	19	5	15	39	
	% within pekerjaan	48.7%	12.8%	38.5%	100.0%	
Total		Count	170	42	73	285
		% within pekerjaan	59.6%	14.7%	25.6%	100.0%



## pekerjaan \* suka\_tidaksuka Crosstabulation

		suka_tidaksuka		Total	
		ya	tidak		
pekerjaan	pelajar/mahasiswa	Count	116	32	148
		% within pekerjaan	78.4%	21.6%	100.0%
	karyawan	Count	27	14	41
		% within pekerjaan	65.9%	34.1%	100.0%
	wirausaha	Count	41	16	57
		% within pekerjaan	71.9%	28.1%	100.0%
	lain-lain	Count	27	12	39
		% within pekerjaan	69.2%	30.8%	100.0%
Total		Count	211	74	285
		% within pekerjaan	74.0%	26.0%	100.0%

## pekerjaan \* varian\_warna Crosstabulation

		varian_warna		Total	
		ya	tidak		
pekerjaan	pelajar/mahasiswa	Count	123	25	148
		% within pekerjaan	83.1%	16.9%	100.0%
	karyawan	Count	34	7	41
		% within pekerjaan	82.9%	17.1%	100.0%
	wirausaha	Count	44	13	57
		% within pekerjaan	77.2%	22.8%	100.0%
	lain-lain	Count	32	7	39
		% within pekerjaan	82.1%	17.9%	100.0%
Total		Count	233	52	285
		% within pekerjaan	81.8%	18.2%	100.0%

## pekerjaan \* boba\_mahal\_tidak Crosstabulation

		boba_mahal_tidak		Total	
		ya	tidak		
pekerjaan	pelajar/mahasiswa	Count	116	32	148
		% within pekerjaan	78.4%	21.6%	100.0%
	karyawan	Count	27	14	41
		% within pekerjaan	65.9%	34.1%	100.0%
	wirausaha	Count	41	16	57
		% within pekerjaan	71.9%	28.1%	100.0%
	lain-lain	Count	27	12	39
		% within pekerjaan	69.2%	30.8%	100.0%
Total		Count	211	74	285
		% within pekerjaan	74.0%	26.0%	100.0%

## pekerjaan \* merk\_tidak Crosstabulation

		merk_tidak		Total	
		ya	tidak		
pekerjaan	pelajar/mahasiswa	Count	98	50	148
		% within pekerjaan	66.2%	33.8%	100.0%
	karyawan	Count	31	10	41
		% within pekerjaan	75.6%	24.4%	100.0%
	wirausaha	Count	31	26	57
		% within pekerjaan	54.4%	45.6%	100.0%
	lain-lain	Count	25	14	39
		% within pekerjaan	64.1%	35.9%	100.0%
Total		Count	185	100	285
		% within pekerjaan	64.9%	35.1%	100.0%

## pekerjaan \* mahal\_enak Crosstabulation

		mahal_enak		Total	
		ya	tidak		
pekerjaan	pelajar/mahasiswa	Count	75	73	148
		% within pekerjaan	50.7%	49.3%	100.0%
	karyawan	Count	25	16	41
		% within pekerjaan	61.0%	39.0%	100.0%
	wirausaha	Count	22	35	57
		% within pekerjaan	38.6%	61.4%	100.0%
	lain-lain	Count	19	20	39
		% within pekerjaan	48.7%	51.3%	100.0%
Total		Count	141	144	285
		% within pekerjaan	49.5%	50.5%	100.0%

## pekerjaan \* gaya\_hidup Crosstabulation

		gaya_hidup		Total	
		ya	tidak		
pekerjaan	pelajar/mahasiswa	Count	29	119	148
		% within pekerjaan	19.6%	80.4%	100.0%
	karyawan	Count	9	32	41
		% within pekerjaan	22.0%	78.0%	100.0%
	wirausaha	Count	12	45	57
		% within pekerjaan	21.1%	78.9%	100.0%
	lain-lain	Count	3	36	39
		% within pekerjaan	7.7%	92.3%	100.0%
Total		Count	53	232	285
		% within pekerjaan	18.6%	81.4%	100.0%

## pekerjaan \* chewy\_tidak Crosstabulation

		chewy_tidak		Total	
		ya	tidak		
pekerjaan	pelajar/mahasiswa	Count	82	66	148
		% within pekerjaan	55.4%	44.6%	100.0%
	karyawan	Count	20	21	41
		% within pekerjaan	48.8%	51.2%	100.0%
	wirausaha	Count	21	36	57
		% within pekerjaan	36.8%	63.2%	100.0%
	lain-lain	Count	14	25	39
		% within pekerjaan	35.9%	64.1%	100.0%
Total	Count	137	148	285	
	% within pekerjaan	48.1%	51.9%	100.0%	

## pekerjaan \* try\_newvariant Crosstabulation

		try_newvariant		Total	
		ya	tidak		
pekerjaan	pelajar/mahasiswa	Count	75	73	148
		% within pekerjaan	50.7%	49.3%	100.0%
	karyawan	Count	25	16	41
		% within pekerjaan	61.0%	39.0%	100.0%
	wirausaha	Count	22	35	57
		% within pekerjaan	38.6%	61.4%	100.0%
	lain-lain	Count	19	20	39
		% within pekerjaan	48.7%	51.3%	100.0%
Total	Count	141	144	285	
	% within pekerjaan	49.5%	50.5%	100.0%	

## pekerjaan \* harga\_kualitas Crosstabulation

		harga_kualitas		Total	
		ya	tidak		
pekerjaan	pelajar/mahasiswa	Count	122	26	148
		% within pekerjaan	82.4%	17.6%	100.0%
	karyawan	Count	36	5	41
		% within pekerjaan	87.8%	12.2%	100.0%
	wirausaha	Count	48	9	57
		% within pekerjaan	84.2%	15.8%	100.0%
	lain-lain	Count	33	6	39
		% within pekerjaan	84.6%	15.4%	100.0%
Total	Count	239	46	285	
	% within pekerjaan	83.9%	16.1%	100.0%	

**pekerjaan \* inovasi\_kesehatan Crosstabulation**

		inovasi_kesehatan		Total	
		ya	tidak		
pekerjaan	pelajar/mahasiswa	Count	106	42	148
		% within pekerjaan	71.6%	28.4%	100.0%
	karyawan	Count	34	7	41
		% within pekerjaan	82.9%	17.1%	100.0%
	wirausaha	Count	36	21	57
		% within pekerjaan	63.2%	36.8%	100.0%
	lain-lain	Count	21	18	39
		% within pekerjaan	53.8%	46.2%	100.0%
Total		Count	197	88	285
		% within pekerjaan	69.1%	30.9%	100.0%

d. Berdasarkan Penghasilan

**penghasilan \* warna\_disuka Crosstabulation**

		warna_disuka			Total	
		gambar 1	gambar 2	gambar		
penghasilan	0-2.500.000	Count	95	16	38	149
		% within penghasilan	63.8%	10.7%	25.5%	100.0%
	2.501.000-5.000.000	Count	34	14	24	72
		% within penghasilan	47.2%	19.4%	33.3%	100.0%
	lebih dari 5.000.000	Count	41	12	11	64
		% within penghasilan	64.1%	18.8%	17.2%	100.0%
Total		Count	170	42	73	285
		% within penghasilan	59.6%	14.7%	25.6%	100.0%

**penghasilan \* suka\_tidaksuka Crosstabulation**

		suka_tidaksuka		Total	
		ya	tidak		
penghasilan	0-2.500.000	Count	117	32	149
		% within penghasilan	78.5%	21.5%	100.0%
	2.501.000-5.000.000	Count	45	27	72
		% within penghasilan	62.5%	37.5%	100.0%
	lebih dari 5.000.000	Count	49	15	64
		% within penghasilan	76.6%	23.4%	100.0%
Total		Count	211	74	285
		% within penghasilan	74.0%	26.0%	100.0%

**penghasilan \* varian\_warna Crosstabulation**

			varian_warna		Total
			ya	tidak	
penghasilan	0-2.500.000	Count	123	26	149
		% within penghasilan	82.6%	17.4%	100.0%
	2.501.000-5.000.000	Count	58	14	72
		% within penghasilan	80.6%	19.4%	100.0%
	lebih dari 5.000.000	Count	52	12	64
		% within penghasilan	81.3%	18.8%	100.0%
Total		Count	233	52	285
		% within penghasilan	81.8%	18.2%	100.0%

**penghasilan \* boba\_mahal\_tidak Crosstabulation**

			boba_mahal_tidak		Total
			ya	tidak	
penghasilan	0-2.500.000	Count	117	32	149
		% within penghasilan	78.5%	21.5%	100.0%
	2.501.000-5.000.000	Count	45	27	72
		% within penghasilan	62.5%	37.5%	100.0%
	lebih dari 5.000.000	Count	49	15	64
		% within penghasilan	76.6%	23.4%	100.0%
Total		Count	211	74	285
		% within penghasilan	74.0%	26.0%	100.0%

**penghasilan \* merk\_tidak Crosstabulation**

			merk_tidak		Total
			ya	tidak	
penghasilan	0-2.500.000	Count	95	54	149
		% within penghasilan	63.8%	36.2%	100.0%
	2.501.000-5.000.000	Count	47	25	72
		% within penghasilan	65.3%	34.7%	100.0%
	lebih dari 5.000.000	Count	43	21	64
		% within penghasilan	67.2%	32.8%	100.0%
Total		Count	185	100	285
		% within penghasilan	64.9%	35.1%	100.0%

**penghasilan \* mahal\_enak Crosstabulation**

			mahal_enak		Total
			ya	tidak	
penghasilan	0-2.500.000	Count	75	74	149
		% within penghasilan	50.3%	49.7%	100.0%
	2.501.000-5.000.000	Count	31	41	72
		% within penghasilan	43.1%	56.9%	100.0%
	lebih dari 5.000.000	Count	35	29	64
		% within penghasilan	54.7%	45.3%	100.0%
Total		Count	141	144	285
		% within penghasilan	49.5%	50.5%	100.0%

**penghasilan \* gaya\_hidup Crosstabulation**

		gaya_hidup		Total	
		ya	tidak		
penghasilan	0-2.500.000	Count	27	122	149
		% within penghasilan	18.1%	81.9%	100.0%
	2.501.000-5.000.000	Count	16	56	72
		% within penghasilan	22.2%	77.8%	100.0%
	lebih dari 5.000.000	Count	10	54	64
		% within penghasilan	15.6%	84.4%	100.0%
Total		Count	53	232	285
		% within penghasilan	18.6%	81.4%	100.0%

**penghasilan \* chewy\_tidak Crosstabulation**

		chewy_tidak		Total	
		ya	tidak		
penghasilan	0-2.500.000	Count	83	66	149
		% within penghasilan	55.7%	44.3%	100.0%
	2.501.000-5.000.000	Count	30	42	72
		% within penghasilan	41.7%	58.3%	100.0%
	lebih dari 5.000.000	Count	24	40	64
		% within penghasilan	37.5%	62.5%	100.0%
Total		Count	137	148	285
		% within penghasilan	48.1%	51.9%	100.0%

**penghasilan \* try\_newvariant Crosstabulation**

		try_newvariant		Total	
		ya	tidak		
penghasilan	0-2.500.000	Count	75	74	149
		% within penghasilan	50.3%	49.7%	100.0%
	2.501.000-5.000.000	Count	31	41	72
		% within penghasilan	43.1%	56.9%	100.0%
	lebih dari 5.000.000	Count	35	29	64
		% within penghasilan	54.7%	45.3%	100.0%
Total		Count	141	144	285
		% within penghasilan	49.5%	50.5%	100.0%

**penghasilan \* harga\_kualitas Crosstabulation**

		harga_kualitas		Total	
		ya	tidak		
penghasilan	0-2.500.000	Count	123	26	149
		% within penghasilan	82.6%	17.4%	100.0%
	2.501.000-5.000.000	Count	62	10	72
		% within penghasilan	86.1%	13.9%	100.0%
	lebih dari 5.000.000	Count	54	10	64
		% within penghasilan	84.4%	15.6%	100.0%
Total		Count	239	46	285
		% within penghasilan	83.9%	16.1%	100.0%

**penghasilan \* inovasi\_kesehatan Crosstabulation**

		inovasi_kesehatan		Total	
		ya	tidak		
penghasilan	0-2.500.000	Count	104	45	149
		% within penghasilan	69.8%	30.2%	100.0%
	2.501.000-5.000.000	Count	48	24	72
		% within penghasilan	66.7%	33.3%	100.0%
	lebih dari 5.000.000	Count	45	19	64
		% within penghasilan	70.3%	29.7%	100.0%
Total		Count	197	88	285
		% within penghasilan	69.1%	30.9%	100.0%

e. Berdasarkan Sering atau Tidak sering

**Sering\_Tidak \* warna\_disuka Crosstabulation**

		warna_disuka			Total	
		gambar 1	gambar 2	gambar		
Sering_Tidak	tidak sering	Count	57	22	34	113
		% within Sering_Tidak	50.4%	19.5%	30.1%	100.0%
	lumayan sering	Count	74	16	30	120
		% within Sering_Tidak	61.7%	13.3%	25.0%	100.0%
	sering	Count	39	4	9	52
		% within Sering_Tidak	75.0%	7.7%	17.3%	100.0%
Total		Count	170	42	73	285
		% within Sering_Tidak	59.6%	14.7%	25.6%	100.0%

**Sering\_Tidak \* suka\_tidak\_suka Crosstabulation**

		suka_tidak_suka		Total	
		ya	tidak		
Sering_Tidak	tidak sering	Count	41	72	113
		% within Sering_Tidak	36.3%	63.7%	100.0%
	lumayan sering	Count	119	1	120
		% within Sering_Tidak	99.2%	0.8%	100.0%
	sering	Count	51	1	52
		% within Sering_Tidak	98.1%	1.9%	100.0%
Total		Count	211	74	285
		% within Sering_Tidak	74.0%	26.0%	100.0%

### Sering\_Tidak \* varian\_warna Crosstabulation

			varian_warna		Total
			ya	tidak	
Sering_Tidak	tidak sering	Count	70	43	113
		% within Sering_Tidak	61.9%	38.1%	100.0%
	lumayan sering	Count	115	5	120
		% within Sering_Tidak	95.8%	4.2%	100.0%
	sering	Count	48	4	52
		% within Sering_Tidak	92.3%	7.7%	100.0%
Total	Count	233	52	285	
	% within Sering_Tidak	81.8%	18.2%	100.0%	

### Sering\_Tidak \* boba\_mahal\_tidak Crosstabulation

			boba_mahal_tidak		Total
			ya	tidak	
Sering_Tidak	tidak sering	Count	41	72	113
		% within Sering_Tidak	36.3%	63.7%	100.0%
	lumayan sering	Count	119	1	120
		% within Sering_Tidak	99.2%	0.8%	100.0%
	sering	Count	51	1	52
		% within Sering_Tidak	98.1%	1.9%	100.0%
Total	Count	211	74	285	
	% within Sering_Tidak	74.0%	26.0%	100.0%	

### Sering\_Tidak \* merk\_tidak Crosstabulation

			merk_tidak		Total
			ya	tidak	
Sering_Tidak	tidak sering	Count	59	54	113
		% within Sering_Tidak	52.2%	47.8%	100.0%
	lumayan sering	Count	86	34	120
		% within Sering_Tidak	71.7%	28.3%	100.0%
	sering	Count	40	12	52
		% within Sering_Tidak	76.9%	23.1%	100.0%
Total	Count	185	100	285	
	% within Sering_Tidak	64.9%	35.1%	100.0%	



**Sering\_Tidak \* mahal\_enak Crosstabulation**

			mahal_enak		Total
			ya	tidak	
Sering_Tidak	tidak sering	Count	45	68	113
		% within Sering_Tidak	39.8%	60.2%	100.0%
	lumayan sering	Count	66	54	120
		% within Sering_Tidak	55.0%	45.0%	100.0%
	sering	Count	30	22	52
		% within Sering_Tidak	57.7%	42.3%	100.0%
Total	Count	141	144	285	
	% within Sering_Tidak	49.5%	50.5%	100.0%	

**Sering\_Tidak \* gaya\_hidup Crosstabulation**

			gaya_hidup		Total
			ya	tidak	
Sering_Tidak	tidak sering	Count	6	107	113
		% within Sering_Tidak	5.3%	94.7%	100.0%
	lumayan sering	Count	33	87	120
		% within Sering_Tidak	27.5%	72.5%	100.0%
	sering	Count	14	38	52
		% within Sering_Tidak	26.9%	73.1%	100.0%
Total	Count	53	232	285	
	% within Sering_Tidak	18.6%	81.4%	100.0%	

**Sering\_Tidak \* chewy\_tidak Crosstabulation**

			chewy_tidak		Total
			ya	tidak	
Sering_Tidak	tidak sering	Count	58	55	113
		% within Sering_Tidak	51.3%	48.7%	100.0%
	lumayan sering	Count	57	63	120
		% within Sering_Tidak	47.5%	52.5%	100.0%
	sering	Count	22	30	52
		% within Sering_Tidak	42.3%	57.7%	100.0%
Total	Count	137	148	285	
	% within Sering_Tidak	48.1%	51.9%	100.0%	

**Sering\_Tidak \* try\_newvariant Crosstabulation**

			try_newvariant		Total
			ya	tidak	
Sering_Tidak	tidak sering	Count	45	68	113
		% within Sering_Tidak	39.8%	60.2%	100.0%
	lumayan sering	Count	66	54	120
		% within Sering_Tidak	55.0%	45.0%	100.0%
	sering	Count	30	22	52
		% within Sering_Tidak	57.7%	42.3%	100.0%
Total	Count	141	144	285	
	% within Sering_Tidak	49.5%	50.5%	100.0%	

**Sering\_Tidak \* harga\_kualitas Crosstabulation**

			harga_kualitas		Total
			ya	tidak	
Sering_Tidak	tidak sering	Count	94	19	113
		% within Sering_Tidak	83.2%	16.8%	100.0%
	lumayan sering	Count	101	19	120
		% within Sering_Tidak	84.2%	15.8%	100.0%
	sering	Count	44	8	52
		% within Sering_Tidak	84.6%	15.4%	100.0%
Total	Count	239	46	285	
	% within Sering_Tidak	83.9%	16.1%	100.0%	

**Sering\_Tidak \* inovasi\_kesehatan Crosstabulation**

			inovasi_kesehatan		Total
			ya	tidak	
Sering_Tidak	tidak sering	Count	71	42	113
		% within Sering_Tidak	62.8%	37.2%	100.0%
	lumayan sering	Count	87	33	120
		% within Sering_Tidak	72.5%	27.5%	100.0%
	sering	Count	39	13	52
		% within Sering_Tidak	75.0%	25.0%	100.0%
Total	Count	197	88	285	
	% within Sering_Tidak	69.1%	30.9%	100.0%	

## Lampiran 6. Uji Phi Pekerjaan

### a. Warna yang disukai

Symmetric Measures			
		Value	Approximate Significance
Nominal by Nominal	Phi	.213	.044
	Cramer's V	.151	.044
N of Valid Cases		285	

### b. Suka/tidak suka

Symmetric Measures			
		Value	Approximate Significance
Nominal by Nominal	Phi	.110	.323
	Cramer's V	.110	.323
N of Valid Cases		285	

### c. Varian warna

Symmetric Measures			
		Value	Approximate Significance
Nominal by Nominal	Phi	.060	.797
	Cramer's V	.060	.797
N of Valid Cases		285	

### d. Boba mahal atau tidak

Symmetric Measures			
		Value	Approximate Significance
Nominal by Nominal	Phi	.110	.323
	Cramer's V	.110	.323
N of Valid Cases		285	

### e. Boba merk lebih enak atau tidak

Symmetric Measures			
		Value	Approximate Significance
Nominal by Nominal	Phi	.132	.175
	Cramer's V	.132	.175
N of Valid Cases		285	

f. Boba mahal = enak

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.132	.175
	Cramer's V	.132	.175
N of Valid Cases		285	

g. Boba = gaya hidup

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.114	.297
	Cramer's V	.114	.297
N of Valid Cases		285	

h. Suka boba chewy / tidak

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.172	.039
	Cramer's V	.172	.039
N of Valid Cases		285	

i. Try New variant boba

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.132	.175
	Cramer's V	.132	.175
N of Valid Cases		285	

j. Harga sebanding dengan kualitas

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.050	.869
	Cramer's V	.050	.869
N of Valid Cases		285	

## k. Inovasi Kesehatan

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.181	.025
	Cramer's V	.181	.025
N of Valid Cases		285	

**Lampiran 7. Uji Phi Penghasilan**

## a. Warna yang disukai

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.181	.053
	Cramer's V	.128	.053
N of Valid Cases		285	

## b. Suka/tidak suka

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.154	.034
	Cramer's V	.154	.034
N of Valid Cases		285	

## c. Varian warna

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.060	.597
	Cramer's V	.060	.597
N of Valid Cases		285	

d. Boba mahal atau tidak

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.154	.034
	Cramer's V	.154	.034
N of Valid Cases		285	

e. Boba merk lebih enak atau tidak

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.134	.076
	Cramer's V	.134	.076
N of Valid Cases		285	

f. Boba mahal = enak

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.082	.382
	Cramer's V	.082	.382
N of Valid Cases		285	

g. Boba = gaya hidup

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.060	.600
	Cramer's V	.060	.600
N of Valid Cases		285	

h. Suka boba chewy / tidak

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.163	.023
	Cramer's V	.163	.023
N of Valid Cases		285	

i. Try New variant boba

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.082	.382
	Cramer's V	.082	.382
N of Valid Cases		285	

j. Harga sebanding dengan kualitas

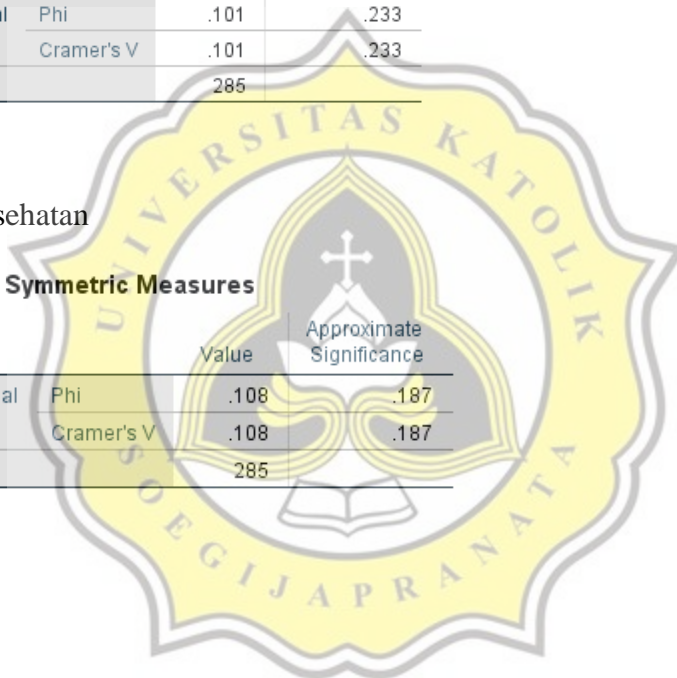
**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.101	.233
	Cramer's V	.101	.233
N of Valid Cases		285	

k. Inovasi Kesehatan

**Symmetric Measures**

		Value	Approximate Significance
Nominal by Nominal	Phi	.108	.187
	Cramer's V	.108	.187
N of Valid Cases		285	



### 7.3. Perhitungan Volume Pengembangan

$$\text{Volume Boba} = \frac{4}{3} \pi r^3$$

$$\text{Volume Pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

Keterangan ;

$V^a$  = boba sebelum dimasak

$V^b$  = boba sesudah dimasak

#### I. Batch 1

##### a) Boba Kontrol

$$1. V^a = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,4^3 = 0,268$$

$$V^b = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,6^3 = 0,904$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{0,904 - 0,268}{0,268} \times 100\% = 2,37\%$$

$$2. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,45^3 = 0,381$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,7^3 = 1,44$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{1,44 - 0,381}{0,381} \times 100\% = 2,78\%$$

$$3. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,6^3 = 0,904$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{0,904 - 0,523}{0,523} \times 100\% = 0,73\%$$



b) Kadar 15%

$$1. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,65^3 = 1,15$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{1,15 - 0,523}{0,523} \times 100\% = 1,2\%$$

$$2. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,55^3 = 0,696$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,75^3 = 1,766$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{1,766 - 0,696}{0,696} \times 100\% = 1,54\%$$

$$3. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,55^3 = 0,696$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,7^3 = 1,43$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{1,43 - 0,696}{0,696} \times 100\% = 1,05\%$$

c) Kadar 20%

$$1. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,85^3 = 2,571$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{2,571 - 0,523}{0,523} \times 100\% = 3,91\%$$

$$2. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,9^3 = 3,05$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{3,05 - 0,523}{0,523} \times 100\% = 4,83\%$$

$$3. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,65^3 = 1,149$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,95^3 = 3,59$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{3,59 - 1,149}{1,149} \times 100\% = 2,13\%$$

d) Kadar 25%

$$1. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,4^3 = 0,267$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,95^3 = 3,59$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{3,59 - 0,267}{0,267} \times 100\% = 12,44\%$$

$$2. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

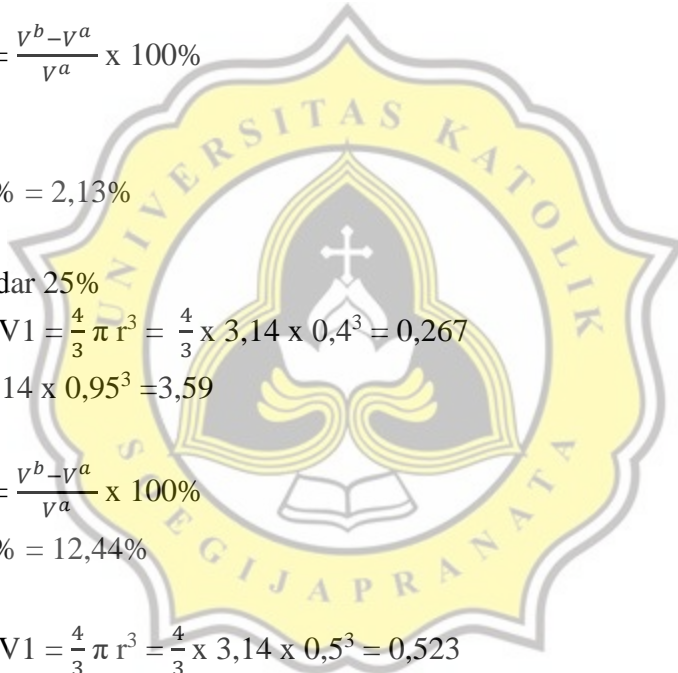
$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,9^3 = 3,05$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{3,05 - 0,523}{0,523} \times 100\% = 4,83\%$$

$$3. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,55^3 = 0,696$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,95^3 = 3,59$$



$$\begin{aligned} V \text{ pengembangan} &= \frac{V^b - V^a}{V^a} \times 100\% \\ &= \frac{3,59 - 0,696}{0,696} \times 100\% = 4,15\% \end{aligned}$$

## II. Batch 2

### a) Kadar 0%

$$1. \quad V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,4^3 = 0,268$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$\begin{aligned} V \text{ pengembangan} &= \frac{V^b - V^a}{V^a} \times 100\% \\ &= \frac{0,523 - 0,268}{0,268} \times 100\% = 0,96\% \end{aligned}$$

$$2. \quad V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,55^3 = 0,696$$

$$\begin{aligned} V \text{ pengembangan} &= \frac{V^b - V^a}{V^a} \times 100\% \\ &= \frac{0,696 - 0,523}{0,523} \times 100\% = 0,33\% \end{aligned}$$

$$3. \quad V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,4^3 = 0,268$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$\begin{aligned} V \text{ pengembangan} &= \frac{V^b - V^a}{V^a} \times 100\% \\ &= \frac{0,523 - 0,268}{0,268} \times 100\% = 0,95\% \end{aligned}$$

### b) Kadar 15%

$$1. \quad V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,4^3 = 0,268$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,6^3 = 0,904$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{0,904 - 0,268}{0,268} \times 100\% = 2,37\%$$

$$2. \quad V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,55^3 = 0,696$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,7^3 = 1,43$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{1,43 - 0,696}{0,696} \times 100\% = 1,05\%$$

$$3. \quad V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,7^3 = 1,436$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{1,436 - 0,523}{0,523} \times 100\% = 1,74\%$$

c) Kadar 20%

$$1. \quad V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,75^3 = 1,766$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

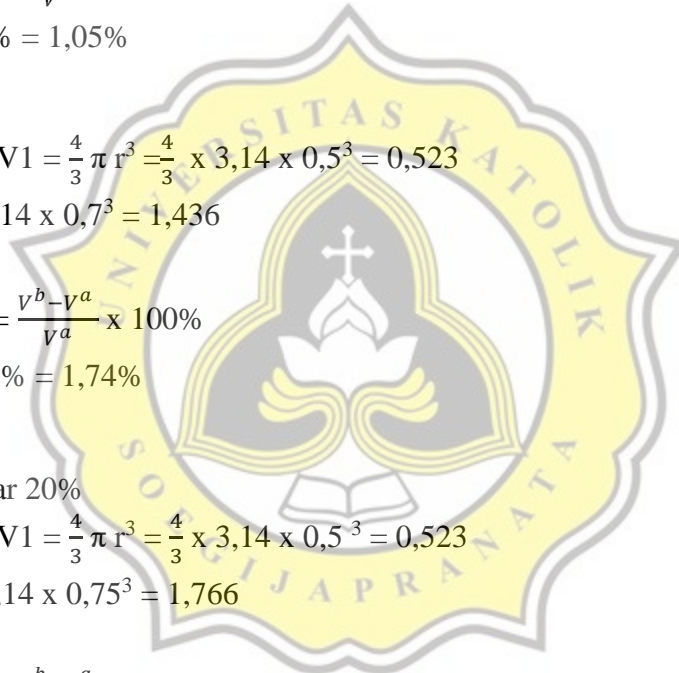
$$= \frac{1,766 - 0,523}{0,523} \times 100\% = 2,38\%$$

$$2. \quad V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,55^3 = 0,696$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,95^3 = 3,59$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{3,59 - 0,696}{0,696} \times 100\% = 4,16\%$$



$$3. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,85^3 = 2,571$$

$$\begin{aligned} V \text{ pengembangan} &= \frac{V^b - V^a}{V^a} \times 100\% \\ &= \frac{2,571 - 0,523}{0,523} \times 100\% = 3,91\% \end{aligned}$$

d) Kadar 25%

$$1. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,4^3 = 0,267$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,85^3 = 2,571$$

$$\begin{aligned} V \text{ pengembangan} &= \frac{V^b - V^a}{V^a} \times 100\% \\ &= \frac{2,571 - 0,267}{0,267} \times 100\% = 8,63\% \end{aligned}$$

$$2. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,6^3 = 0,904$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 1^3 = 4,186$$

$$\begin{aligned} V \text{ pengembangan} &= \frac{V^b - V^a}{V^a} \times 100\% \\ &= \frac{4,186 - 0,904}{0,904} \times 100\% = 3,63\% \end{aligned}$$

$$3. V1 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,5^3 = 0,523$$

$$V2 = \frac{4}{3} \pi r^3 = \frac{4}{3} \times 3,14 \times 0,95^3 = 3,59$$

$$V \text{ pengembangan} = \frac{V^b - V^a}{V^a} \times 100\%$$

$$= \frac{3,59 - 0,523}{0,523} \times 100\% = 5,86\%$$

## 7.4. Kuesioner Online

### SURVEY BOBA

Dengan Hormat berkaitan dengan penyusunan skripsi saya, Saya Mahasiswa S1 Fakultas Teknik Pertanian Universitas Soegijapranata memohon kesediaan anda untuk mengisi semua pertanyaan quisioner saya guna menyelesaikan untuk penyusunan tugas akhir saya. Identitas pengisi akan dijamin kerahasiaanya dan hanya untuk kepentingan ilmiah semata. kesediaan saudara dalam mengisi kuisisioner ini sangat membantu dalam penyelesaian penyusunan skripsi ini. Atas bantuan dan kerjasamanya Saya selaku penulis mengucapkan terimakasih. Tuhan memberkati.

**\* Wajib**

**Umur \***

- anak-anak (6-11 tahun)
- remaja (12-17 tahun)
- dewasa (18 -45 tahun)
- Lansia ( Diatas 45 tahun)

**Jenis Kelamin \***

- Perempuan
- Laki-Laki

docs.google.com

**Jenis Kelamin \***

- Perempuan
- Laki-Laki

**Pekerjaan \***

- Pelajar/Mahasiswa
- Wiraswasta
- Wirasaha (Usaha Sendiri)
- Lain-Lain

**Penghasilan \***

- Rp. 0-2500.0000
- Rp.2500.000-5000.000
- lebih dari Rp.5000.000

Berikutnya

### SURVEY BOBA

**\* Wajib**

**SURVEY BOBA**

CLAIRINE PRINCESIA PURNOMO 16.12.0029 (Unika Soegijapranata Semarang).


Apakah Anda Menyukai minuman kekinian dengan topping BOBA ? \*

- Ya menyukai
- tidak menyukai


Apakah anda Sering membeli minuman kekinian bertopping BOBA ? \*

- Sering (lebih dari 4x dalam 1 bulan)
- Lumayan Sering (2-4x dalam 1 bulan)
- Tidak Sering (dibawah 2x dalam 1 bulan)


Berdasarkan Gambar BOBA dibawah, Mana warna BOBA yang lebih menarik menurut anda ? \*



Boba 1



Boba 2





The image shows a Google Form titled "SURVEY BOBA" with the following content:

**SURVEY BOBA**  
CLAIRINE PRINCESIA PURNOMO 16.12.0029 (Unika Soegijapranata Semarang).

1. Saya merasa BOBA yang punya Merk tertentu mempunyai rasa yang lebih enak dibandingkan BOBA yang tidak Bermerk. \*

YA  
 TIDAK

2. Saya merasa BOBA dengan harga yang lebih mahal mempunyai rasa yang lebih enak dibandingkan yang tidak. \*

YA  
 TIDAK

3. Saya Merasa Minuman kekinian dengan topping BOBA merupakan minuman yang tergolong Mahal. \*

YA  
 TIDAK

4. Saya lebih menyukai BOBA yang bertekstur kenyal (Chewy) dibandingkan yang bertekstur keras. \*

YA  
 TIDAK

5. Saya akan tertarik untuk mencoba BOBA jika ada gerai yang menjual BOBA dengan variant yang berbeda dari yang lainnya. \*

YA  
 TIDAK

6. Saya Merasa membeli minuman BOBA merupakan suatu kebutuhan gaya hidup. \*

YA  
 TIDAK

7. Saya hanya akan membeli BOBA tersebut apabila harga sebanding dengan kualitas. \*

YA  
 TIDAK

Navigation: Kembali, Berikutnya

Gambar 11. Kuesioner Online dari Google Form

## 7.5. Dokumentasi



Gambar 12. Dokumentasi Hasil Uji Laboratorium



Gambar 13. Dokumentasi Pada saat Pengujian





Gambar 14. Dokumentasi Pembuatan Tepung Ubi Ungu





**6.32%** PLAGIARISM  
APPROXIMATELY

## Report #13066963

**34** PENDAHULUAN Latar Belakang Seiring berjalannya waktu banyak sekali perubahan gaya hidup pada masyarakat Indonesia. Saat ini mereka sering menikmati sajian minuman dengan beragam varian rasa dengan tambahan yaitu topping yang menjadikan minuman tersebut nikmat sekaligus menarik. Minuman yang populer ini biasa disebut dengan bubble drink. Minuman ini pertama kali berasal dari negara Taiwan, bahan dasar untuk membuat minuman ini adalah teh, susu, maupun jus yang mempunyai citarasa yang manis. **14** Bubble drink biasa disajikan dengan kondisi dingin dengan topping yaitu Bubble pearls yang mengendap pada bagian dasar gelas. Bubble pearls atau yang biasa disebut Boba ini terbuat dari tepung tapioka dan biasanya punya warna hitam atau coklat (Eun Min Jae et al., 2016). Minuman ini merupakan salah satu jajanan minuman ringan yang memiliki rasa manis serta kalori yang cukup tinggi. Diperkirakan dalam segelas minuman ini mengandung sekitar 200 450 kalori, tergantung dari jenis minuman dan bahan tambahan