



LAMPIRAN 1. KUISIONER UJI ORGANOLEPTIK

KUISIONER UJI ORGANOLEPTIK MAKANAN RINGAN EKSTRUDAT

Nama :
Kelas : SD
Jenis Kelamin : L/P
Umur :

Dihadapan adik terdapat contoh makanan ringan ekstrudat. Kami mengajak dan meminta bantuan adik untuk berpartisipasi dengan memberikan tanda silang berdasarkan kesukaan adik ke dalam kuisisioner ini. Atas bantuan adik dalam mengisi kuisisioner ini kami mengucapkan terima kasih.

Kriteria Penilaian

- sangat suka
- suka
- tidak suka
- sangat tidak suka

Tekstur

Sampel	Sangat suka	Suka	Tidak suka	Sangat tidak suka
231				
456				
987				
672				
345				
784				
869				
575				
726				

Warna

Sampel	Sangat suka	Suka	Tidak suka	Sangat tidak suka
231				
456				
987				
672				
345				
784				
869				
575				
726				

Aroma

Sampel	Sangat suka	Suka	Tidak suka	Sangat tidak suka
231				
456				
987				
672				
345				
784				
869				
575				
726				

Kerenyahan

Sampel	Sangat suka	Suka	Tidak suka	Sangat tidak suka
231				
456				
987				
672				
345				
784				
869				
575				
726				

Rasa

Sampel	Sangat suka	Suka	Tidak suka	Sangat tidak suka
231				
456				
987				
672				
345				
784				
869				
575				
726				

TERIMA KASIH

LAMPIRAN 2. ANALISA KLOROFIL TOTAL

DAUN SUJI

Descriptives

Descriptive Statistics

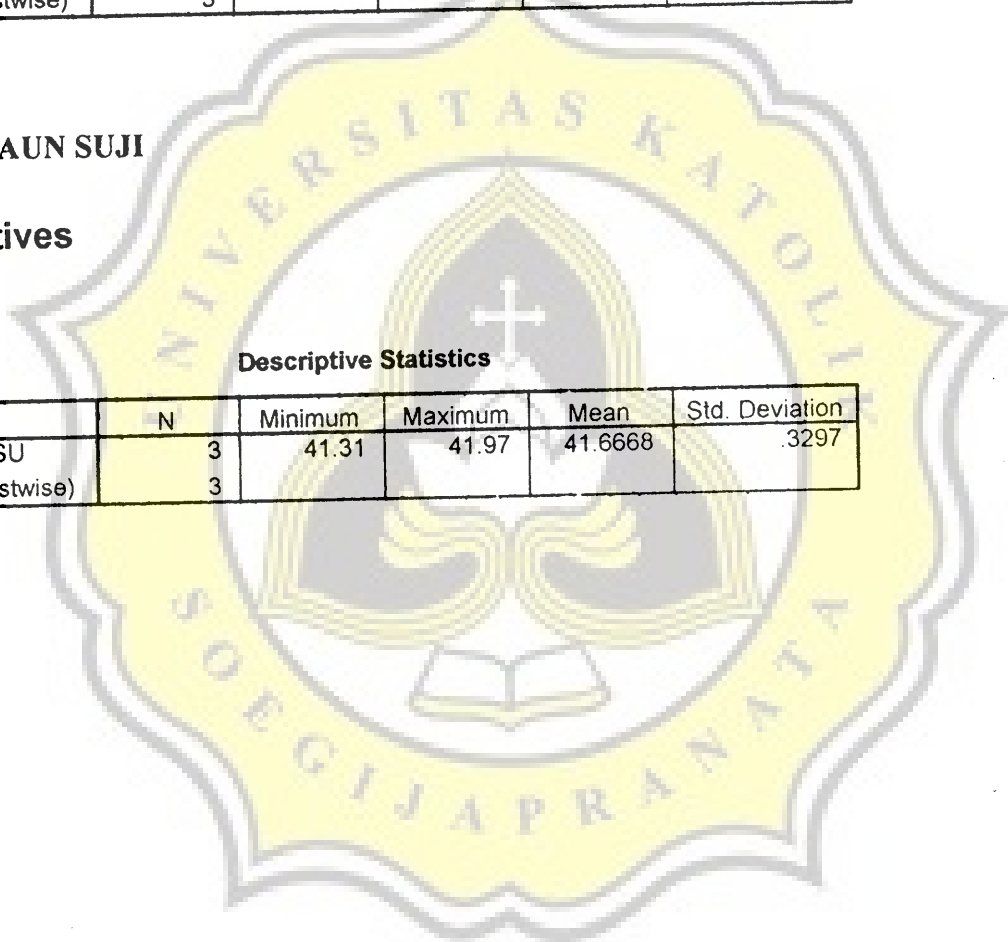
	N	Minimum	Maximum	Mean	Std. Deviation
TKLORDSU	3	49.78	49.98	49.8693	.1026
Valid N (listwise)	3				

BUBUK DAUN SUJI

Descriptives

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
TKLORBSU	3	41.31	41.97	41.6668	.3297
Valid N (listwise)	3				



LAMPIRAN 3. ANOVA SATU ARAH SIFAT FISIK EKSTRUDAT

PENGEMBANGAN MEMBUJUR (AXIAL EXPANSION)

Descriptives

AXIALEX

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
kontrol	100	3.3828	.1469	.469E-02	3.3537	3.4120	3.13	3.72
k5ppm	100	3.5252	.2616	.616E-02	3.4733	3.5771	2.73	3.84
k10ppm	100	3.5074	.1402	.402E-02	3.4796	3.5353	3.30	3.82
k15ppm	100	4.7608	.3303	.303E-02	4.6953	4.8263	4.10	5.26
k20ppm	100	4.2171	.2667	.667E-02	4.1642	4.2701	3.67	4.72
s5ppm	100	2.9237	.1546	.546E-02	2.8930	2.9544	2.69	3.22
s10ppm	100	3.2096	.2509	.509E-02	3.1598	3.2594	2.42	3.55
s15ppm	100	3.0927	.1730	.730E-02	2.0583	3.1270	2.79	3.44
s20ppm	100	3.2871	.3131	.131E-02	3.2250	3.3492	2.43	3.74
Total	900	3.5452	.5992	.997E-02	3.5060	3.5844	2.42	5.26

Oneway

ANOVA

AXIALEX

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	272.764	8	34.095	607.950	.000
Within Groups	49.970	891	5.608E-02		
Total	322.733	899			

Post Hoc Tests Homogeneous Subsets

AXIALEX

Duncan^a

PERLAK	N	Subset for alpha = .05							
		1	2	3	4	5	6	7	8
s5ppm	100	2.9237							
s15ppm	100		3.0927						
s10ppm	100			3.2096					
s20ppm	100				3.2871				
kontrol	100					3.3828			
k10ppm	100						3.5074		
k5ppm	100						3.5252		
k20ppm	100							4.2171	
k15ppm	100								4.7608
Sig.		1.000	1.000	1.000	1.000	1.000	.596	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 100.000.

LANJUTAN LAMPIRAN 3

PENGEMBANGAN MELINTANG (*RADIAL EXPANSION*)

Descriptives

RADIALEX

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
kontrol	100	1.5756	4.903E-02	.903E-03	1.5559	1.5853	1.45	1.67
k5ppm	100	1.5537	4.753E-02	.753E-03	1.5442	1.5631	1.44	1.65
k10ppm	100	1.5525	4.137E-02	.137E-03	1.5443	1.5607	1.47	1.68
k15ppm	100	1.5383	4.055E-02	.055E-03	1.5303	1.5464	1.43	1.63
k20ppm	100	1.5718	3.506E-02	.506E-03	1.5647	1.5786	1.47	1.66
s5ppm	100	1.4891	3.537E-02	.537E-03	1.4821	1.4961	1.40	1.57
s10ppm	100	1.4780	5.427E-02	.427E-03	1.4672	1.4888	1.36	1.62
s20ppm	100	1.2702	8.541E-02	.541E-03	1.2532	1.2871	1.09	1.47
s15ppm	100	1.2660	8.822E-02	.822E-03	1.2525	1.2795	1.12	1.43
Total	900	1.4772	.1277	.257E-03	1.4689	1.4856	1.09	1.68

Oneway

ANOVA

RADIALEX

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	12.147	8	1.518	538.146	.000
Within Groups	2.514	891	2.822E-03		
Total	14.661	899			

Homogeneous Subsets Post Hoc Tests

RADIALEX

Duncan^a

PERLAK	N	Subset for alpha = .05			
		1	2	3	4
s15ppm	100	1.2660			
s20ppm	100	1.2702			
s10ppm	100		1.4780		
s5ppm	100		1.4891		
k15ppm	100			1.5383	
k10ppm	100			1.5525	
k5ppm	100			1.5537	
k20ppm	100				1.5716
kontrol	100				1.5756
Sig.		.579	.140	.053	.597

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 100.000.

LANJUTAN LAMPIRAN 3

RASIO PENGEMBANGAN (*EXPANSION RATIO*)

Descriptives

EXRATIO	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					kontrol	100		
k5ppm	100	4.4408	.1341	1.341E-02	4.4142	4.4674	4.12	4.70
k10ppm	100	4.4358	.1182	1.182E-02	4.4124	4.4593	4.19	4.81
k15ppm	100	4.3952	.1159	1.159E-02	4.3722	4.4182	4.10	4.67
k20ppm	100	4.4904	.1002	1.002E-02	4.4705	4.5103	4.19	4.73
s5ppm	100	4.2546	.1011	1.011E-02	4.2345	4.2746	3.99	4.48
s10ppm	100	4.2229	.1551	1.551E-02	4.1921	4.2536	3.89	4.63
s20ppm	100	3.6290	.2440	2.440E-02	3.5806	3.6775	3.11	4.19
s15ppm	100	3.8171	.1949	1.949E-02	3.5785	3.6558	3.19	4.10
Total	900	4.2208	.3649	1.216E-02	4.1970	4.2447	3.11	4.81

Oneway

ANOVA

EXRATIO	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	99.237	8	12.405	539.773	.000
Within Groups	20.476	891	2.298E-02		
Total	119.713	899			

Post Hoc Tests Homogeneous Subsets

EXRATIO

PERLAK	N	Subset for alpha = .05				
		1	2	3	4	5
s15ppm	100	3.6171				
s20ppm	100	3.6290				
s10ppm	100		4.2229			
s5ppm	100		4.2546			
k15ppm	100			4.3952		
k10ppm	100			4.4358	4.4358	
k5ppm	100				4.4408	
k20ppm	100					4.4904
kontrol	100					4.5017
Sig.		.579	.139	.058	.816	.597

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 100.000.

LANJUTAN LAMPIRAN 3

BULK DENSITY

Descriptives

BULKDENS	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					kontrol	20		
k5ppm	20	.0503542	.0008784	.0001964	.0499431	.0507653	.04854	.05211
k10ppm	20	.0493962	.0010524	.0002353	.0489036	.0498987	.04739	.05149
k15ppm	20	.0417347	.0013195	.0002950	.0411171	.0423522	.03935	.04365
k20ppm	20	.0405770	.0012437	.0002781	.0399950	.0411591	.03885	.04336
s5ppm	20	.0723158	.0011193	.0002503	.0717920	.0728397	.07093	.07452
s10ppm	20	.0727974	.0013202	.0002952	.0721795	.0734153	.07072	.07529
s20ppm	20	.0761230	.0016079	.0003595	.0753705	.0768755	.07364	.07865
s15ppm	20	.0859701	.0014168	.0003168	.0853071	.0866332	.08339	.08813
Total	180	.0600177	.0158994	.0011851	.0576792	.0623562	.03885	.08813

Oneway

ANOVA

BULKDENS	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.498E-02	8	5.623E-03	3616.335	.000
Within Groups	2.659E-04	171	1.555E-06		
Total	4.525E-02	179			

Post Hoc Tests Homogeneous Subsets

BULKDENS

Duncan^a

PERLAK	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
k20ppm	20	.0405770						
k15ppm	20		.0417347					
k10ppm	20			.0493962				
k5ppm	20				.0503542			
kontrol	20				.0508910			
s5ppm	20					.0723158		
s10ppm	20					.0727974		
s20ppm	20						.0761230	
s15ppm	20							.0859701
Sig.		1.000	1.000	1.000	.173	.222	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 20.000.

LANJUTAN LAMPIRAN 3

BREAKING STRENGTH

Descriptives

BREAKSTR

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
kontrol	3	21.8767	.8819	.5092	19.6859	24.0674	21.03	22.79
k5ppm	3	20.2400	3.4400	1.9861	11.6946	28.7854	16.80	23.63
k10ppm	3	22.8933	.3950	.2281	21.9121	23.8746	22.50	23.29
k15ppm	3	25.4467	1.9322	1.1155	20.6469	30.2464	23.68	27.51
k20ppm	3	22.6333	2.1419	1.2366	17.3126	27.9540	20.24	24.37
s5ppm	3	31.1800	2.1923	1.2657	25.7341	36.6259	28.69	32.82
s10ppm	3	39.4233	4.3132	2.4902	28.7088	50.1379	34.68	43.11
s15ppm	3	34.4533	4.9442	2.8545	22.1712	46.7354	30.85	40.09
s20ppm	3	39.9900	1.7376	1.0032	35.6735	44.3065	38.20	41.67
Total	27	28.6819	7.8121	1.5034	25.5915	31.7722	16.80	43.11

Oneway

ANOVA

BREAKSTR

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1442.813	8	180.352	22.556	.000
Within Groups	143.925	18	7.996		
Total	1586.738	26			

Post Hoc Tests

Homogeneous Subsets

BREAKSTR

Duncan^a

PERLAK	N	Subset for alpha = .05		
		1	2	3
k5ppm	3	20.2400		
kontrol	3	21.8767		
k20ppm	3	22.6333		
k10ppm	3	22.8933		
k15ppm	3	25.4467		
s5ppm	3		31.1800	
s15ppm	3		34.4533	
s10ppm	3			39.4233
s20ppm	3			39.9900
Sig.		.056	.173	.809

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

**LAMPIRAN 4. KORELASI SIFAT FISIK EKSTRUDAT HIJAU
ANTARA BUBUK DAUN SUJI DENGAN
PENGEMBANGAN EKSTRUDAT**

Correlations

		PERLAK	AXIALEX	EXRATIO	RADIALEX
PERLAK	Pearson Correlation	1.000	-.012	-.848**	-.848**
	Sig. (2-tailed)	.	.792	.000	.000
	N	500	500	500	500
AXIALEX	Pearson Correlation	-.012	1.000	.084	.084
	Sig. (2-tailed)	.792	.	.061	.061
	N	500	500	500	500
EXRATIO	Pearson Correlation	-.848**	.084	1.000	1.000**
	Sig. (2-tailed)	.000	.061	.	.000
	N	500	500	500	500
RADIALEX	Pearson Correlation	-.848**	.084	1.000**	1.000
	Sig. (2-tailed)	.000	.061	.000	.
	N	500	500	500	500

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

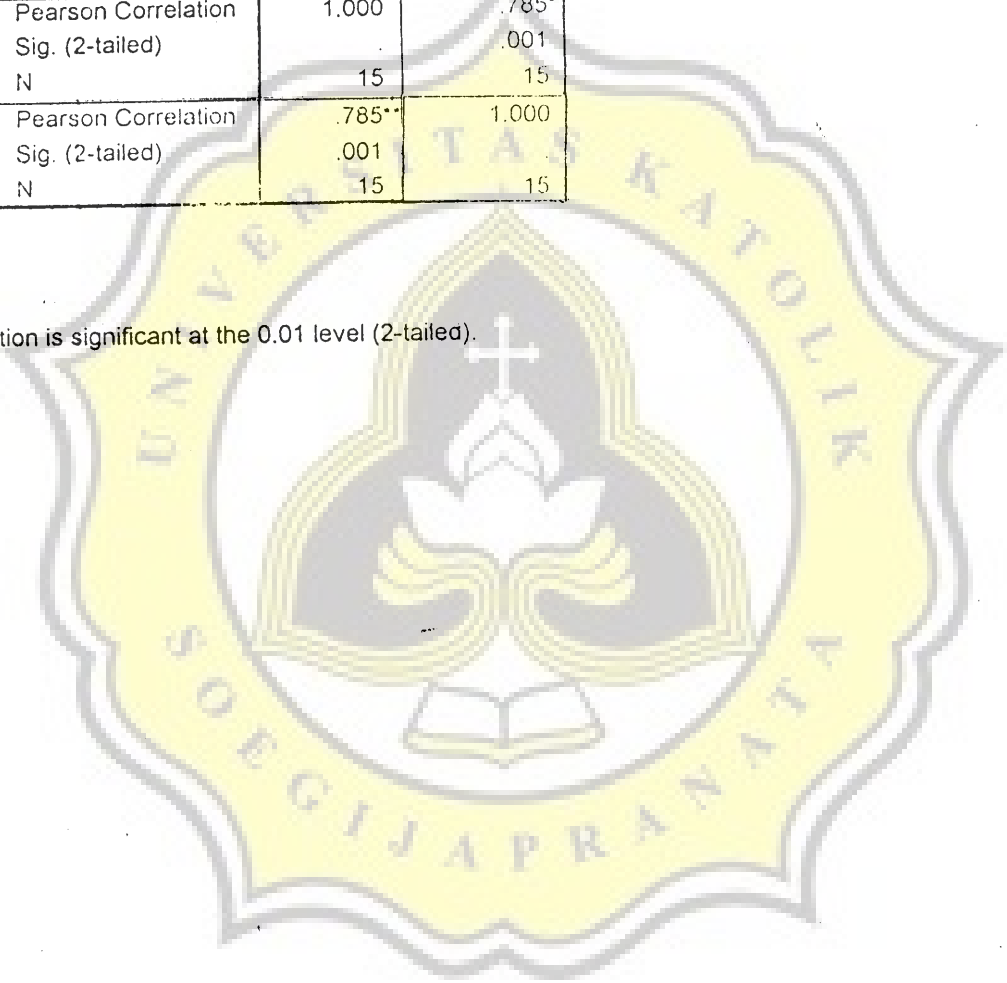


LAMPIRAN 5. KORELASI SIFAT FISIK EKSTRUDAT HIJAU
 ANTARA BUBUK DAUN SUJI DENGAN
BREAKING STRENGTH

Correlations

		PERLAK	BREAKSTR
PERLAK	Pearson Correlation	1.000	.785**
	Sig. (2-tailed)		.001
	N	15	15
BREAKSTR	Pearson Correlation	.785**	1.000
	Sig. (2-tailed)	.001	
	N	15	15

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

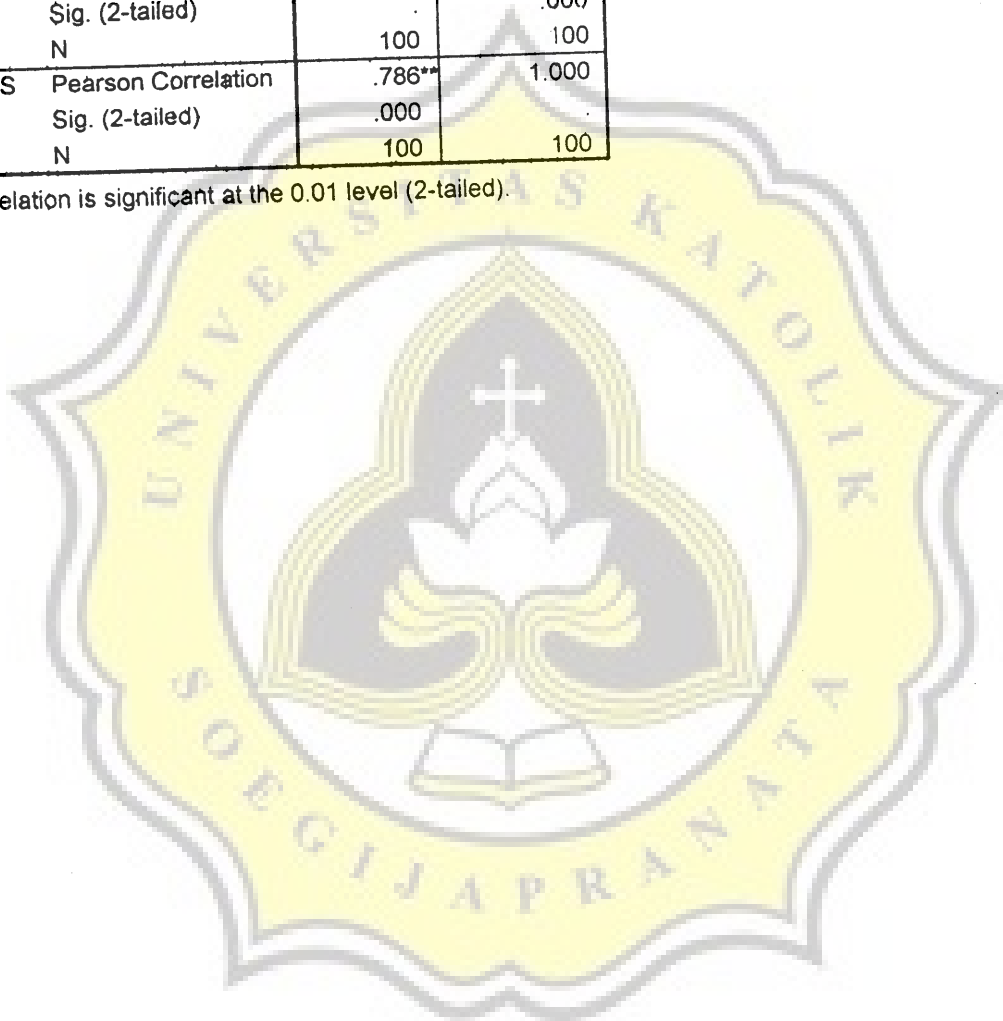


**LAMPIRAN 6. KORELASI SIFAT FISIK EKSTRUDAT HIJAU
ANTARA BUBUK DAUN SUJI DENGAN *BULK
DENSITY***

Correlations

		PERLAK	BULKDENS
PERLAK	Pearson Correlation	1.000	.786**
	Sig. (2-tailed)		.000
	N	100	100
BULKDENS	Pearson Correlation	.786**	1.000
	Sig. (2-tailed)	.000	
	N	100	100

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



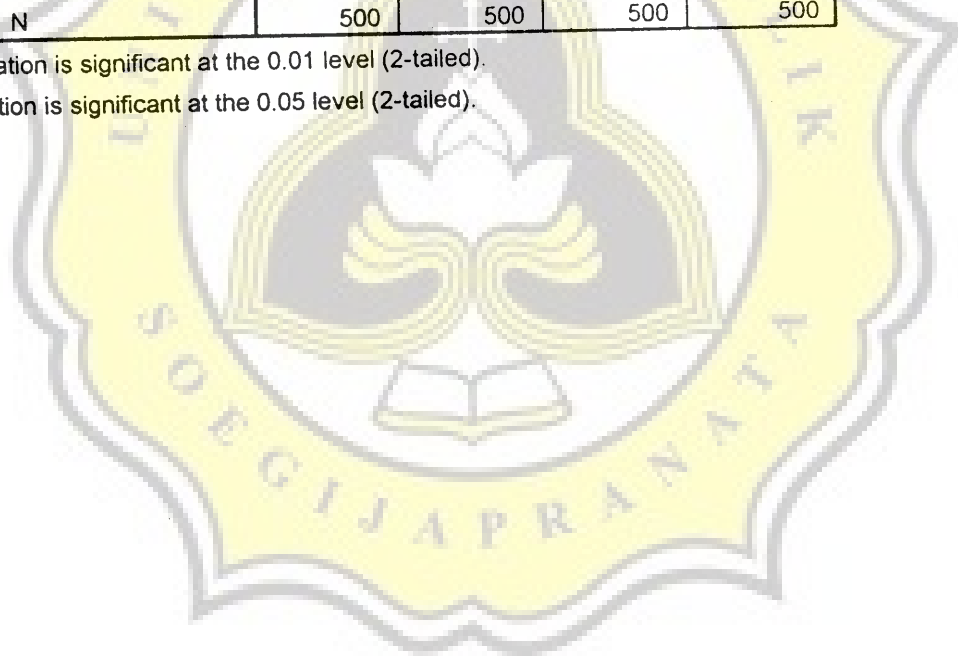
**LAMPIRAN 7. KORELASI SIFAT FISIK EKSTRUDAT KUNING
ANTARA BUBUK KUNYIT DENGAN
PENGEMBANGAN EKSTRUDAT**

Correlations

		PERLAK	AXIALEX	EXRATIO	RADIALEX
PERLAK	Pearson Correlation	1.000	.707**	-.077	-.077
	Sig. (2-tailed)		.000	.087	.087
	N	500	500	500	500
AXIALEX	Pearson Correlation	.707**	1.000	-.112*	-.112*
	Sig. (2-tailed)	.000		.012	.012
	N	500	500	500	500
EXRATIO	Pearson Correlation	-.077	-.112*	1.000	1.000**
	Sig. (2-tailed)	.087	.012		.000
	N	500	500	500	500
RADIALEX	Pearson Correlation	-.077	-.112*	1.000**	1.000
	Sig. (2-tailed)	.087	.012	.000	
	N	500	500	500	500

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

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

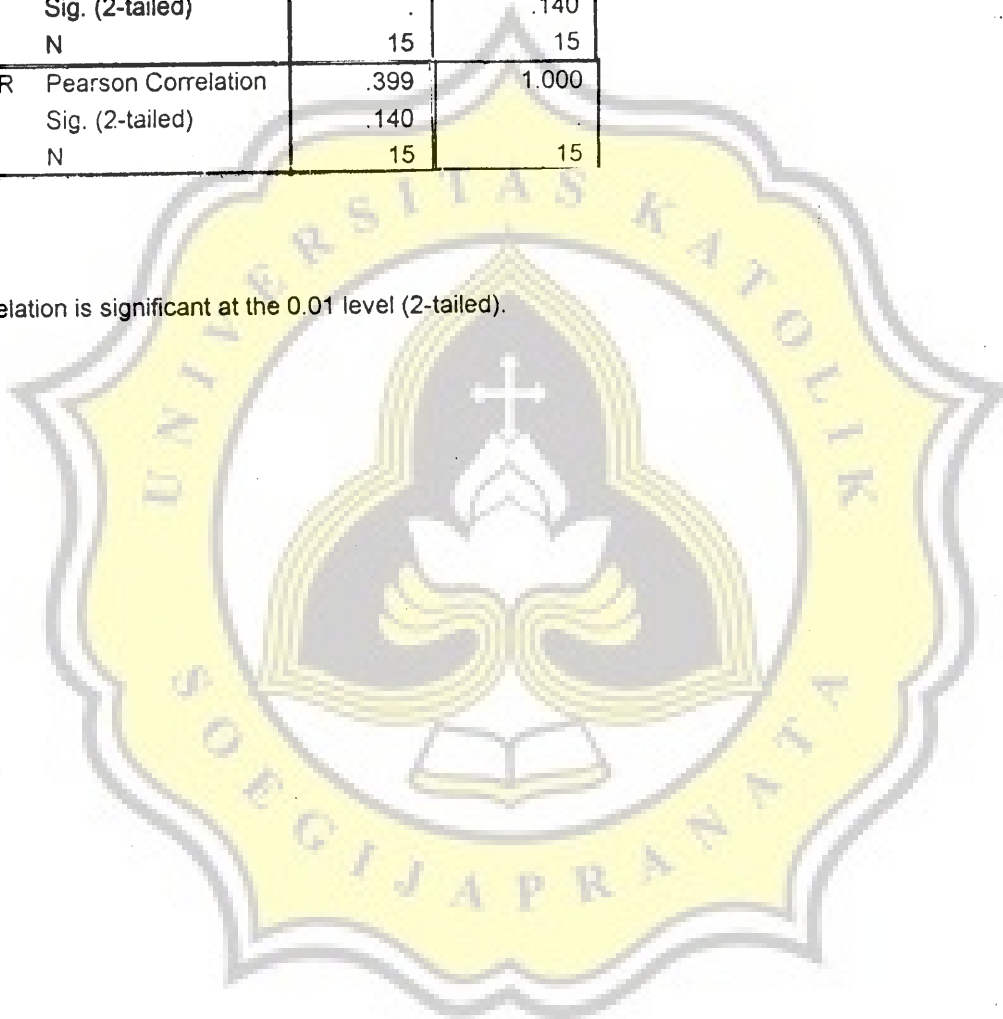


**LAMPIRAN 8. KORELASI SIFAT FISIK EKSTRUDAT KUNING
ANTARA BUBUK KUNYIT DENGAN *BREAKING STRENGTH***

Correlations

		PERLAK	BREAKSTR
PERLAK	Pearson Correlation	1.000	.399
	Sig. (2-tailed)	.	.140
	N	15	15
BREAKSTR	Pearson Correlation	.399	1.000
	Sig. (2-tailed)	.140	.
	N	15	15

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

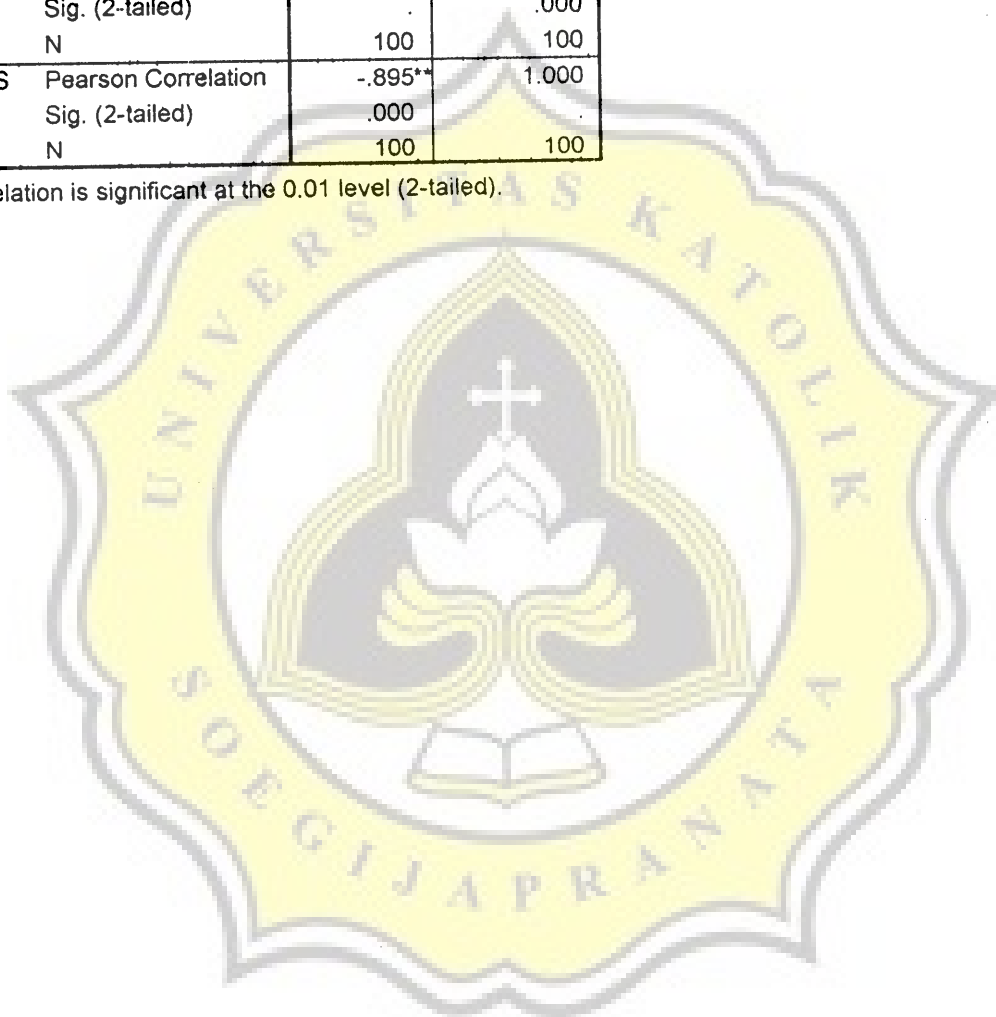


**LAMPIRAN 9. KORELASI SIFAT FISIK EKSTRUDAT KUNING
ANTARA BUBUK KUNYIT DENGAN *BULK
DENSITY***

Correlations

		PERLAK	BULKDENS
PERLAK	Pearson Correlation	1.000	-.895*
	Sig. (2-tailed)	.	.000
	N	100	100
BULKDENS	Pearson Correlation	-.895**	1.000
	Sig. (2-tailed)	.000	
	N	100	100

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



LAMPIRAN 10. TABULASI SILANG TEKSTUR EKSTRUDAT HIJAU

Crosstab

		TEKSTUR				Total
		sangat tidak suka	tidak suka	suka	sangat suka	
PERLAK kontrol	Count	0	36	54	10	100
	Expected Count	21.2	36.0	36.4	6.4	100.0
	% within PERLAK	.0%	36.0%	54.0%	10.0%	100.0%
	% within TEKSTUR	.0%	20.0%	29.7%	31.3%	20.0%
	% of Total	.0%	7.2%	10.8%	2.0%	20.0%
s5ppm	Count	15	26	51	8	100
	Expected Count	21.2	36.0	36.4	6.4	100.0
	% within PERLAK	15.0%	26.0%	51.0%	8.0%	100.0%
	% within TEKSTUR	14.2%	14.4%	28.0%	25.0%	20.0%
	% of Total	3.0%	5.2%	10.2%	1.6%	20.0%
s10ppm	Count	24	34	39	3	100
	Expected Count	21.2	36.0	36.4	6.4	100.0
	% within PERLAK	24.0%	34.0%	39.0%	3.0%	100.0%
	% within TEKSTUR	22.6%	18.9%	21.4%	9.4%	20.0%
	% of Total	4.8%	6.8%	7.8%	.6%	20.0%
s15ppm	Count	29	46	23	2	100
	Expected Count	21.2	36.0	36.4	6.4	100.0
	% within PERLAK	29.0%	46.0%	23.0%	2.0%	100.0%
	% within TEKSTUR	27.4%	25.6%	12.6%	6.3%	20.0%
	% of Total	5.8%	9.2%	4.6%	.4%	20.0%
s20ppm	Count	38	38	15	9	100
	Expected Count	21.2	36.0	36.4	6.4	100.0
	% within PERLAK	38.0%	38.0%	15.0%	9.0%	100.0%
	% within TEKSTUR	35.8%	21.1%	8.2%	28.1%	20.0%
	% of Total	7.6%	7.6%	3.0%	1.8%	20.0%
Total	Count	106	180	182	32	500
	Expected Count	106.0	180.0	182.0	32.0	500.0
	% within PERLAK	21.2%	36.0%	36.4%	6.4%	100.0%
	% within TEKSTUR	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	21.2%	36.0%	36.4%	6.4%	100.0%

LAMPIRAN 11. TABULASI SILANG RASA EKSTRUDAT HIJAU

Crosstab

			RASA				Total
			sangat tidak suka	tidak suka	suka	sangat suka	
PERLAK	kontrol	Count	22	42	34	2	100
		Expected Count	21.4	37.4	34.4	6.8	100.0
		% within PERLAK	22.0%	42.0%	34.0%	2.0%	100.0%
		% within RASA	20.6%	22.5%	19.8%	5.9%	20.0%
		% of Total	4.4%	8.4%	6.8%	.4%	20.0%
	s5ppm	Count	14	29	42	15	100
		Expected Count	21.4	37.4	34.4	6.8	100.0
		% within PERLAK	14.0%	29.0%	42.0%	15.0%	100.0%
		% within RASA	13.1%	15.5%	24.4%	44.1%	20.0%
		% of Total	2.8%	5.8%	8.4%	3.0%	20.0%
	s10ppm	Count	19	34	39	8	100
		Expected Count	21.4	37.4	34.4	6.8	100.0
		% within PERLAK	19.0%	34.0%	39.0%	8.0%	100.0%
		% within RASA	17.8%	18.2%	22.7%	23.5%	20.0%
		% of Total	3.8%	6.8%	7.8%	1.6%	20.0%
	s15ppm	Count	24	44	27	5	100
		Expected Count	21.4	37.4	34.4	6.8	100.0
		% within PERLAK	24.0%	44.0%	27.0%	5.0%	100.0%
		% within RASA	22.4%	23.5%	15.7%	14.7%	20.0%
		% of Total	4.8%	8.8%	5.4%	1.0%	20.0%
s20ppm	Count	28	38	30	4	100	
	Expected Count	21.4	37.4	34.4	6.8	100.0	
	% within PERLAK	28.0%	38.0%	30.0%	4.0%	100.0%	
	% within RASA	26.2%	20.3%	17.4%	11.8%	20.0%	
	% of Total	5.6%	7.6%	6.0%	.8%	20.0%	
Total	Count	107	187	172	34	500	
	Expected Count	107.0	187.0	172.0	34.0	500.0	
	% within PERLAK	21.4%	37.4%	34.4%	6.8%	100.0%	
	% within RASA	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	21.4%	37.4%	34.4%	6.8%	100.0%	

LAMPIRAN 12. TABULASI SILANG WARNA EKSTRUDAT HIJAU

Crosstab

			WARNA				Total
			sangat tidak suka	tidak suka	suka	sangat suka	
PERLAK	kontrol	Count	10	26	47	17	100
		Expected Count	23.8	37.4	28.8	10.0	100.0
		% within PERLAK	10.0%	26.0%	47.0%	17.0%	100.0%
		% within WARNA	8.4%	13.9%	32.6%	34.0%	20.0%
		% of Total	2.0%	5.2%	9.4%	3.4%	20.0%
	s5ppm	Count	10	35	40	15	100
		Expected Count	23.8	37.4	28.8	10.0	100.0
		% within PERLAK	10.0%	35.0%	40.0%	15.0%	100.0%
		% within WARNA	8.4%	18.7%	27.8%	30.0%	20.0%
		% of Total	2.0%	7.0%	8.0%	3.0%	20.0%
	s10ppm	Count	11	38	39	12	100
		Expected Count	23.8	37.4	28.8	10.0	100.0
		% within PERLAK	11.0%	38.0%	39.0%	12.0%	100.0%
		% within WARNA	9.2%	20.3%	27.1%	24.0%	20.0%
		% of Total	2.2%	7.6%	7.8%	2.4%	20.0%
	s15ppm	Count	43	43	10	4	100
		Expected Count	23.8	37.4	28.8	10.0	100.0
		% within PERLAK	43.0%	43.0%	10.0%	4.0%	100.0%
		% within WARNA	36.1%	23.0%	6.9%	8.0%	20.0%
		% of Total	8.6%	8.6%	2.0%	.8%	20.0%
s20ppm	Count	45	45	8	2	100	
	Expected Count	23.8	37.4	28.8	10.0	100.0	
	% within PERLAK	45.0%	45.0%	8.0%	2.0%	100.0%	
	% within WARNA	37.8%	24.1%	5.6%	4.0%	20.0%	
	% of Total	9.0%	9.0%	1.6%	.4%	20.0%	
Total	Count	119	187	144	50	500	
	Expected Count	119.0	187.0	144.0	50.0	500.0	
	% within PERLAK	23.8%	37.4%	28.8%	10.0%	100.0%	
	% within WARNA	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	23.8%	37.4%	28.8%	10.0%	100.0%	

LAMPIRAN 13. TABULASI SILANG AROMA EKSTRUDAT HIJAU

Crosstab

			AROMA				Total
			sangat tidak suka	tidak suka	suka	sangat suka	
PERLAK	kontrol	Count	7	36	45	12	100
		Expected Count	22.8	37.6	35.0	4.6	100.0
		% within PERLAK	7.0%	36.0%	45.0%	12.0%	100.0%
		% within AROMA	6.1%	19.1%	25.7%	52.2%	20.0%
		% of Total	1.4%	7.2%	9.0%	2.4%	20.0%
	s5ppm	Count	15	30	49	6	100
		Expected Count	22.8	37.6	35.0	4.6	100.0
		% within PERLAK	15.0%	30.0%	49.0%	6.0%	100.0%
		% within AROMA	13.2%	16.0%	28.0%	26.1%	20.0%
		% of Total	3.0%	6.0%	9.8%	1.2%	20.0%
	s10ppm	Count	20	31	49	0	100
		Expected Count	22.8	37.6	35.0	4.6	100.0
		% within PERLAK	20.0%	31.0%	49.0%	.0%	100.0%
		% within AROMA	17.5%	16.5%	28.0%	.0%	20.0%
		% of Total	4.0%	6.2%	9.8%	.0%	20.0%
	s15ppm	Count	33	50	13	4	100
		Expected Count	22.8	37.6	35.0	4.6	100.0
		% within PERLAK	33.0%	50.0%	13.0%	4.0%	100.0%
		% within AROMA	28.9%	26.6%	7.4%	17.4%	20.0%
		% of Total	6.6%	10.0%	2.6%	.8%	20.0%
s20ppm	Count	39	41	19	1	100	
	Expected Count	22.8	37.6	35.0	4.6	100.0	
	% within PERLAK	39.0%	41.0%	19.0%	1.0%	100.0%	
	% within AROMA	34.2%	21.8%	10.9%	4.3%	20.0%	
	% of Total	7.8%	8.2%	3.8%	.2%	20.0%	
Total	Count	114	188	175	23	500	
	Expected Count	114.0	188.0	175.0	23.0	500.0	
	% within PERLAK	22.8%	37.6%	35.0%	4.6%	100.0%	
	% within AROMA	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	22.8%	37.6%	35.0%	4.6%	100.0%	

LAMPIRAN 14. TABULASI SILANG KERENYAHAN EKSTRUDAT HIJAU

Crosstab

		KERENYAH				Total	
		sangat tidak suka	tidak suka	suka	sangat suka		
PERLAK	kontrol	Count	15	25	42	18	100
		Expected Count	18.8	33.6	36.6	11.0	100.0
		% within PERLAK	15.0%	25.0%	42.0%	18.0%	100.0%
		% within KERENYAH	16.0%	14.9%	23.0%	32.7%	20.0%
		% of Total	3.0%	5.0%	8.4%	3.6%	20.0%
	s5ppm	Count	18	30	36	16	100
		Expected Count	18.8	33.6	36.6	11.0	100.0
		% within PERLAK	18.0%	30.0%	36.0%	16.0%	100.0%
		% within KERENYAH	19.1%	17.9%	19.7%	29.1%	20.0%
		% of Total	3.6%	6.0%	7.2%	3.2%	20.0%
	s10ppm	Count	23	36	33	8	100
		Expected Count	18.8	33.6	36.6	11.0	100.0
		% within PERLAK	23.0%	36.0%	33.0%	8.0%	100.0%
		% within KERENYAH	24.5%	21.4%	18.0%	14.5%	20.0%
		% of Total	4.6%	7.2%	6.6%	1.6%	20.0%
	s15ppm	Count	24	30	36	10	100
		Expected Count	18.8	33.6	36.6	11.0	100.0
		% within PERLAK	24.0%	30.0%	36.0%	10.0%	100.0%
		% within KERENYAH	25.5%	17.9%	19.7%	18.2%	20.0%
		% of Total	4.8%	6.0%	7.2%	2.0%	20.0%
s20ppm	Count	14	47	36	3	100	
	Expected Count	18.8	33.6	36.6	11.0	100.0	
	% within PERLAK	14.0%	47.0%	36.0%	3.0%	100.0%	
	% within KERENYAH	14.9%	28.0%	19.7%	5.5%	20.0%	
	% of Total	2.8%	9.4%	7.2%	.6%	20.0%	
Total	Count	94	168	183	55	500	
	Expected Count	94.0	168.0	183.0	55.0	500.0	
	% within PERLAK	18.8%	33.6%	36.6%	11.0%	100.0%	
	% within KERENYAH	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	18.8%	33.6%	36.6%	11.0%	100.0%	

LAMPIRAN 15. TABULASI SILANG TEKSTUR EKSTRUDAT KUNING

Crosstab

			TEKSTUR				Total
			sangat tidak suka	tidak suka	suka	sangat suka	
PERLAK	kontrol	Count	0	36	54	10	100
		Expected Count	7.2	28.6	49.4	14.8	100.0
		% within PERLAK	.0%	36.0%	54.0%	10.0%	100.0%
		% within TEKSTUR	.0%	25.2%	21.9%	13.5%	20.0%
		% of Total	.0%	7.2%	10.8%	2.0%	20.0%
	k5ppm	Count	15	24	53	8	100
		Expected Count	7.2	28.6	49.4	14.8	100.0
		% within PERLAK	15.0%	24.0%	53.0%	8.0%	100.0%
		% within TEKSTUR	41.7%	16.8%	21.5%	10.8%	20.0%
		% of Total	3.0%	4.8%	10.6%	1.6%	20.0%
	k10ppm	Count	11	27	51	11	100
		Expected Count	7.2	28.6	49.4	14.8	100.0
		% within PERLAK	11.0%	27.0%	51.0%	11.0%	100.0%
		% within TEKSTUR	30.6%	18.9%	20.6%	14.9%	20.0%
		% of Total	2.2%	5.4%	10.2%	2.2%	20.0%
	k15ppm	Count	6	28	45	21	100
		Expected Count	7.2	28.6	49.4	14.8	100.0
		% within PERLAK	6.0%	28.0%	45.0%	21.0%	100.0%
		% within TEKSTUR	16.7%	19.6%	18.2%	28.4%	20.0%
		% of Total	1.2%	5.6%	9.0%	4.2%	20.0%
k20ppm	Count	4	28	44	24	100	
	Expected Count	7.2	28.6	49.4	14.8	100.0	
	% within PERLAK	4.0%	28.0%	44.0%	24.0%	100.0%	
	% within TEKSTUR	11.1%	19.6%	17.8%	32.4%	20.0%	
	% of Total	.8%	5.6%	8.8%	4.8%	20.0%	
Total	Count	36	143	247	74	500	
	Expected Count	36.0	143.0	247.0	74.0	500.0	
	% within PERLAK	7.2%	28.6%	49.4%	14.8%	100.0%	
	% within TEKSTUR	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	7.2%	28.6%	49.4%	14.8%	100.0%	

LAMPIRAN 16. TABULASI SILANG RASA EKSTRUDAT KUNING

Crosstab

		RASA				Total
		sangat tidak suka	tidak suka	suka	sangat suka	
PERLAK kontrol	Count	22	42	34	2	100
	Expected Count	11.6	31.2	40.0	17.2	100.0
	% within PERLAK	22.0%	42.0%	34.0%	2.0%	100.0%
	% within RASA	37.9%	26.9%	17.0%	2.3%	20.0%
	% of Total	4.4%	8.4%	6.8%	.4%	20.0%
k5ppm	Count	3	25	50	22	100
	Expected Count	11.6	31.2	40.0	17.2	100.0
	% within PERLAK	3.0%	25.0%	50.0%	22.0%	100.0%
	% within RASA	5.2%	16.0%	25.0%	25.6%	20.0%
	% of Total	.6%	5.0%	10.0%	4.4%	20.0%
k10ppm	Count	6	35	39	20	100
	Expected Count	11.6	31.2	40.0	17.2	100.0
	% within PERLAK	6.0%	35.0%	39.0%	20.0%	100.0%
	% within RASA	10.3%	22.4%	19.5%	23.3%	20.0%
	% of Total	1.2%	7.0%	7.8%	4.0%	20.0%
k15ppm	Count	10	32	37	21	100
	Expected Count	11.6	31.2	40.0	17.2	100.0
	% within PERLAK	10.0%	32.0%	37.0%	21.0%	100.0%
	% within RASA	17.2%	20.5%	18.5%	24.4%	20.0%
	% of Total	2.0%	6.4%	7.4%	4.2%	20.0%
k20ppm	Count	17	22	40	21	100
	Expected Count	11.6	31.2	40.0	17.2	100.0
	% within PERLAK	17.0%	22.0%	40.0%	21.0%	100.0%
	% within RASA	29.3%	14.1%	20.0%	24.4%	20.0%
	% of Total	3.4%	4.4%	8.0%	4.2%	20.0%
Total	Count	58	156	200	86	500
	Expected Count	58.0	156.0	200.0	86.0	500.0
	% within PERLAK	11.6%	31.2%	40.0%	17.2%	100.0%
	% within RASA	100.0%	100.0%	100.0%	100.0%	100.0%
	% of Total	11.6%	31.2%	40.0%	17.2%	100.0%

LAMPIRAN 17. TABULASI SILANG WARNA EKSTRUDAT KUNING

Crosstab

			WARNA				Total
			sangat tidak suka	tidak suka	suka	sangat suka	
PERLAK	kontrol	Count	10	26	47	17	100
		Expected Count	6.2	17.0	53.8	23.0	100.0
		% within PERLAK	10.0%	26.0%	47.0%	17.0%	100.0%
		% within WARNA	32.3%	30.6%	17.5%	14.8%	20.0%
		% of Total	2.0%	5.2%	9.4%	3.4%	20.0%
	k5ppm	Count	3	15	56	26	100
		Expected Count	6.2	17.0	53.8	23.0	100.0
		% within PERLAK	3.0%	15.0%	56.0%	26.0%	100.0%
		% within WARNA	9.7%	17.6%	20.8%	22.6%	20.0%
		% of Total	.6%	3.0%	11.2%	5.2%	20.0%
	k10ppm	Count	0	16	67	17	100
		Expected Count	6.2	17.0	53.8	23.0	100.0
		% within PERLAK	.0%	16.0%	67.0%	17.0%	100.0%
		% within WARNA	.0%	18.8%	24.9%	14.8%	20.0%
		% of Total	.0%	3.2%	13.4%	3.4%	20.0%
	k15ppm	Count	4	16	58	22	100
		Expected Count	6.2	17.0	53.8	23.0	100.0
		% within PERLAK	4.0%	16.0%	58.0%	22.0%	100.0%
		% within WARNA	12.9%	18.8%	21.6%	19.1%	20.0%
		% of Total	.8%	3.2%	11.6%	4.4%	20.0%
k20ppm	Count	14	12	41	33	100	
	Expected Count	6.2	17.0	53.8	23.0	100.0	
	% within PERLAK	14.0%	12.0%	41.0%	33.0%	100.0%	
	% within WARNA	45.2%	14.1%	15.2%	28.7%	20.0%	
	% of Total	2.8%	2.4%	8.2%	6.6%	20.0%	
Total	Count	31	85	269	115	500	
	Expected Count	31.0	85.0	269.0	115.0	500.0	
	% within PERLAK	6.2%	17.0%	53.8%	23.0%	100.0%	
	% within WARNA	100.0%	100.0%	100.0%	100.0%	100.0%	
	% of Total	6.2%	17.0%	53.8%	23.0%	100.0%	

LAMPIRAN 18. TABULASI SILANG AROMA EKSTRUDAT KUNING

Crosstab

		AROMA				Total	
		sangat tidak suka	tidak suka	suka	sangat suka		
PERLAK	kontrol	Count	7	36	45	12	100
		Expected Count	9.0	33.0	45.8	12.2	100.0
		% within PERLAK	7.0%	36.0%	45.0%	12.0%	100.0%
		% within AROMA	15.6%	21.8%	19.7%	19.7%	20.0%
		% of Total	1.4%	7.2%	9.0%	2.4%	20.0%
k5ppm		Count	6	27	57	10	100
		Expected Count	9.0	33.0	45.8	12.2	100.0
		% within PERLAK	6.0%	27.0%	57.0%	10.0%	100.0%
		% within AROMA	13.3%	16.4%	24.9%	16.4%	20.0%
		% of Total	1.2%	5.4%	11.4%	2.0%	20.0%
k10ppm		Count	4	38	46	12	100
		Expected Count	9.0	33.0	45.8	12.2	100.0
		% within PERLAK	4.0%	38.0%	46.0%	12.0%	100.0%
		% within AROMA	8.9%	23.0%	20.1%	19.7%	20.0%
		% of Total	.8%	7.6%	9.2%	2.4%	20.0%
k15ppm		Count	13	30	43	14	100
		Expected Count	9.0	33.0	45.8	12.2	100.0
		% within PERLAK	13.0%	30.0%	43.0%	14.0%	100.0%
		% within AROMA	28.9%	18.2%	18.8%	23.0%	20.0%
		% of Total	2.6%	6.0%	8.6%	2.8%	20.0%
k20ppm		Count	15	34	38	13	100
		Expected Count	9.0	33.0	45.8	12.2	100.0
		% within PERLAK	15.0%	34.0%	38.0%	13.0%	100.0%
		% within AROMA	33.3%	20.6%	16.6%	21.3%	20.0%
		% of Total	3.0%	6.8%	7.6%	2.6%	20.0%
Total		Count	45	165	229	61	500
		Expected Count	45.0	165.0	229.0	61.0	500.0
		% within PERLAK	9.0%	33.0%	45.8%	12.2%	100.0%
		% within AROMA	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	9.0%	33.0%	45.8%	12.2%	100.0%

**LAMPIRAN 19. TABULASI SILANG KERENYAHAN
EKSTRUDAT KUNING**

Crosstab

			KERENYAH				Total
			sangat tidak suka	tidak suka	suka	sangat suka	
PERLAK	kontrol	Count	15	25	42	18	100
		Expected Count	7.0	20.0	50.0	23.0	100.0
		% within PERLAK	15.0%	25.0%	42.0%	18.0%	100.0%
		% within KERENYAH	42.9%	25.0%	16.8%	15.7%	20.0%
		% of Total	3.0%	5.0%	8.4%	3.6%	20.0%
k5ppm		Count	4	16	58	22	100
		Expected Count	7.0	20.0	50.0	23.0	100.0
		% within PERLAK	4.0%	16.0%	58.0%	22.0%	100.0%
		% within KERENYAH	11.4%	16.0%	23.2%	19.1%	20.0%
		% of Total	.8%	3.2%	11.6%	4.4%	20.0%
k10ppm		Count	4	21	50	25	100
		Expected Count	7.0	20.0	50.0	23.0	100.0
		% within PERLAK	4.0%	21.0%	50.0%	25.0%	100.0%
		% within KERENYAH	11.4%	21.0%	20.0%	21.7%	20.0%
		% of Total	.8%	4.2%	10.0%	5.0%	20.0%
k15ppm		Count	6	16	46	32	100
		Expected Count	7.0	20.0	50.0	23.0	100.0
		% within PERLAK	6.0%	16.0%	46.0%	32.0%	100.0%
		% within KERENYAH	17.1%	16.0%	18.4%	27.8%	20.0%
		% of Total	1.2%	3.2%	9.2%	6.4%	20.0%
k20ppm		Count	6	22	54	18	100
		Expected Count	7.0	20.0	50.0	23.0	100.0
		% within PERLAK	6.0%	22.0%	54.0%	18.0%	100.0%
		% within KERENYAH	17.1%	22.0%	21.6%	15.7%	20.0%
		% of Total	1.2%	4.4%	10.8%	3.6%	20.0%
Total		Count	35	100	250	115	500
		Expected Count	35.0	100.0	250.0	115.0	500.0
		% within PERLAK	7.0%	20.0%	50.0%	23.0%	100.0%
		% within KERENYAH	100.0%	100.0%	100.0%	100.0%	100.0%
		% of Total	7.0%	20.0%	50.0%	23.0%	100.0%