7. LAMPIRAN

Lampiran 1. Hasil Uji SPSS

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Antioksidan	.119	36	.200*	.934	36	.034
pH_Pare	.119	36	.200*	.956	36	.159
pH_Air	.121	36	.200*	.947	36	.083
Hardness	.109	36	.200*	.940	36	.051
Warna	.086	36	.200*	.979	36	.719

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

a. Lilliefors Significance Correction

Levene's Test of Equality of Error Variances[a]

	F	df1	df2	Sig.
Antioksidan	.919	11	24	.538
pH_Pare	2.019	11	24	.073
pH_Air	2.019	11	24	.073
Hardness	1.631	11	24	.153
Warna	1.948	11	24	.083

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Garam + Waktu + Garam * Waktu

Tests of Between-Subjects Effects

Source	Dependent Variable	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	Antioksidan	.003[a]	11	.000	343.810	.000
	pH_Pare	.112[b]	11	.010	118.170	.000
	pH_Air	.156[c]	11	.014	165.123	.000
	Hardness	413997.549[d]	11	37636.141	292.294	.000
	Warna	121.021[e]	11	11.002	1.788	.113
Intercept	Antioksidan	.012	1	.012	15896.888	.000
	pH_Pare	1053.652	1	1053.652	12235954.06	.000
	pH_Air	1831.412	1	1831.412	21268010.61	.000
	Hardness	593742582.9	1	593742582.9	4611195.567	.000
	Warna	121452.955	1	121452.955	19740.666	.000
Garam	Antioksidan	.002	3	.001	791.829	.000
	pH_Pare	.069	3	.023	265.548	.000
	pH_Air	.112	3	.037	431.946	.000
	Hardness	248708.037	3	82902.679	643.849	.000
	Warna	73.933	3	24.644	4.006	.019
Waktu	Antioksidan	.001	2	.000	657.180	.000
	pH_Pare	.041	2	.020	237.194	.000
	pH_Air	.038	2	.019	223.258	.000
	Hardness	152964.091	2	76482.046	593.984	.000
	Warna	14.362	2	7.181	1.167	.328
Garam * Waktu	Antioksidan	6.774E-005	6	1.129E-005	15.344	.000
	pH_Pare	.002	6	.000	4.806	.002
	pH_Air	.006	6	.001	12.333	.000
	Hardness	12325.421	6	2054.237	15.954	.000
	Warna	32.727	6	5.454	.887	.520
Error	Antioksidan	1.766E-005	24	7.358E-007		
	pH_Pare	.002	24	8.611E-005		
	pH_Air	.002	24	8.611E-005		
	Hardness	3090.266	24	128.761		
	Warna	147.658	24	6.152		
Total	Antioksidan	.014	36			
	pH_Pare	1053.766	36			
	pH_Air	1831.571	36			
	Hardness	594159670.8	36			
	Warna	121721.635	36			
Corrected Total	Antioksidan	.003	35			
	pH_Pare	.114	35			
	pH_Air	.158	35			
	Hardness	417087.816	35			
	Warna	268.679	35			

a. R Squared = .994 (Adjusted R Squared = .991)

b. R Squared = .982 (Adjusted R Squared = .974)

c. R Squared = .987 (Adjusted R Squared = .981)

d. R Squared = .993 (Adjusted R Squared = .989)

e. R Squared = .450 (Adjusted R Squared = .199)

Aktivitas Antioksidan

Antioksidan

Duncan[a,b,c]

Garam	N	Subset 1	2	3	4
3 gram	9	.012167			
2 gram	9		.013996		
1 gram	9			.016088	
0 gram	9				.029853
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 7.358E-007.

a. Uses Harmonic Mean Sample Size = 9.000.

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

c. Alpha = .05.

Antioksidan

Duncan[a,b,c]

Waktu	N	Subset 1	2	3
45 menit	12	.012293		
30 menit	12		.016936	
15 menit	12			.024848
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 7.358E-007.

a. Uses Harmonic Mean Sample Size = 12.000.

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

c. Alpha = .05.

pH Buah Pare

pH_Pare

Duncan[a,b,c]

Garam	N	Subset 1	2	3	4
3 gram	9	5.370000			
2 gram	9		5.386667		
1 gram	9			5.400000	
0 gram	9				5.483333
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 8.611E-005.

a. Uses Harmonic Mean Sample Size = 9.000.

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

c. Alpha = .05.

pH_Pare

Duncan[a,b,c]

Waktu	N	Subset 1	2	3
45 menit	12	5.369167		
30 menit	12		5.409167	
15 menit	12			5.451667
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 8.611E-005.

a. Uses Harmonic Mean Sample Size = 12.000.

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

c. Alpha = .05.

pH Air Rendaman Pare

pH_Air

Duncan[a,b,c]

Garam	N	Subset 1	2	3	4
0 gram	9	7.038889			
1 gram	9		7.144444		
2 gram	9			7.164444	
3 gram	9				7.182222
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 8.611E-005.

a. Uses Harmonic Mean Sample Size = 9.000.

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

c. Alpha = .05.

pH_Air

Duncan[a,b,c]

Waktu	N	Subset 1	2	3
15 menit	12	7.093333		
30 menit	12		7.130833	
45 menit	12			7.173333
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 8.611E-005.

a. Uses Harmonic Mean Sample Size = 12.000.

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

c. Alpha = .05.

Hardness

Hardness

Duncan[a,b]

Garam	N	Subset 1	2	3	4
0 gram	9	3925.1350			
1 gram	9		4067.2127		
2 gram	9			4105.9850	
3 gram	9				4146.2231
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 128.761.

a. Uses Harmonic Mean Sample Size = 9.000.

b. Alpha = .05.

Hardness

Duncan[a,b]

Waktu	N	Subset 1	2	3
15 menit	12	3987.1135		
30 menit	12		4061.1751	
45 menit	12			4135.1283
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 128.761.

a. Uses Harmonic Mean Sample Size = 12.000.

b. Alpha = .05.

Intensitas Warna

Warna

Duncan[a,b,c]

Garam	N	Subset 1	Subset 2
3 gram	9	55.611944	
0 gram	9		58.761879
2 gram	9		58.841918
1 gram	9		59.118267
Sig.		1.000	.777

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 6.152.

a. Uses Harmonic Mean Sample Size = 9.000.

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

c. Alpha = .05.

Warna

Duncan[a,b,c]

Waktu	N	Subset 1
45 menit	12	57.263560
30 menit	12	58.186577
15 menit	12	58.800369
Sig.		.164

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square (Error) = 6.152.

a. Uses Harmonic Mean Sample Size = 12.000.

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

c. Alpha = .05.

Sensori Rasa

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Rasa	.171	60	.000	.856	60	.000

a. Lilliefors Significance Correction

Test Statistics[a,b]

	Rasa
Chi-Square	38.337
df	3
Asymp. Sig.	.000

a. Kruskal Wallis Test

b. Grouping Variable: Sampel

1 vs 2

Test Statistics[a]

	Rasa
Mann-Whitney U	39.000
Wilcoxon W	159.000
Z	-3.355
Asymp. Sig. (2-tailed)	.001
Exact Sig. [2*(1-tailed Sig.)]	.002[b]

a. Grouping Variable: Sampel

b. Not corrected for ties.

1 vs 3

Test Statistics[a]

	Rasa
Mann-Whitney U	1.500
Wilcoxon W	121.500
Z	-4.866
Asymp. Sig. (2-tailed)	.000
Exact Sig. [2*(1-tailed Sig.)]	.000[b]

a. Grouping Variable: Sampel

b. Not corrected for ties.

1 vs 4

Test Statistics[a]

	Rasa
Mann-Whitney U	4.500
Wilcoxon W	124.500
Z	-4.744
Asymp. Sig. (2-tailed)	.000
Exact Sig. [2*(1-tailed Sig.)]	.000[b]

a. Grouping Variable: Sampel

b. Not corrected for ties.

2 vs 3

Test Statistics[a]

	Rasa
Mann-Whitney U	35.000
Wilcoxon W	155.000
Z	-3.413
Asymp. Sig. (2-tailed)	.001
Exact Sig. [2*(1-tailed Sig.)]	.001[b]

a. Grouping Variable: Sampel

b. Not corrected for ties.

2 vs 4

Test Statistics[a]

	Rasa
Mann-Whitney U	34.000
Wilcoxon W	154.000
Z	-3.438
Asymp. Sig. (2-tailed)	.001
Exact Sig. [2*(1-tailed Sig.)]	.001[b]

a. Grouping Variable: Sampel

b. Not corrected for ties.

3 vs 4

Test Statistics[a]

	Rasa
Mann-Whitney U	81.500
Wilcoxon W	201.500
Z	-1.409
Asymp. Sig. (2-tailed)	.159
Exact Sig. [2*(1-tailed Sig.)]	.202[b]

a. Grouping Variable: Sampel

b. Not corrected for ties.

Korelasi pH Buah Pare dan Air Rendaman Pare

Correlations

		pH_Pare	pH_Air
pH_Pare	Pearson Correlation	1	-.979**
	Sig. (2-tailed)		.000
	N	36	36
pH_Air	Pearson Correlation	-.979**	1
	Sig. (2-tailed)	.000	
	N	36	36

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

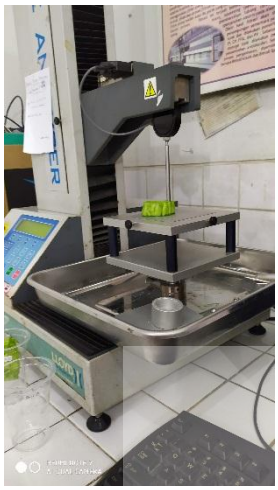
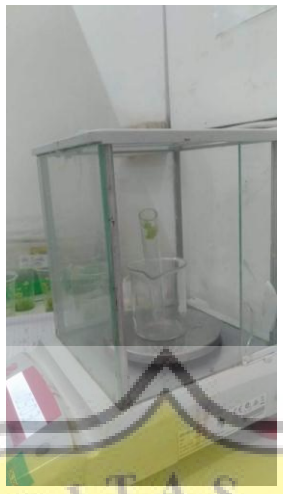
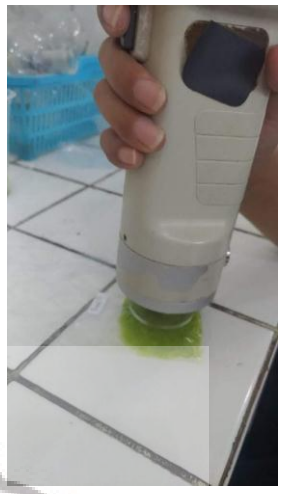
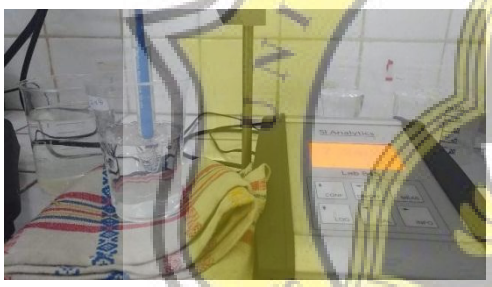
Korelasi pH Buah Pare dan Sensori Rasa

Correlations

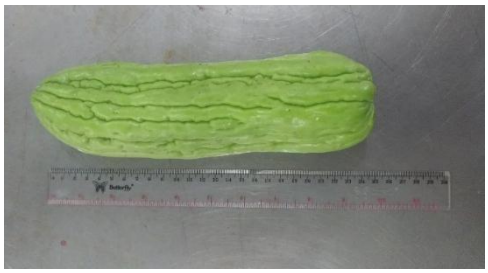
		Rasa	pH
Rasa	Pearson Correlation	1	.832**
	Sig. (2-tailed)		.001
	N	12	12
pH	Pearson Correlation	.832**	1
	Sig. (2-tailed)	.001	
	N	12	12

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

Lampiran 2. Foto Bahan dan Proses Penelitian





Lampiran 3. Formulir Uji Sensori

UJI RANKING HEDONIK

Nama Panelis : **Tanggal :**
Umur :
Jenis Kelamin : (P / L)
Penilaian : Rasa

Instruksi :
Berkumurlah terlebih dahulu dengan air yang sudah disiapkan sebelum dan setelah menguji sampel.

Di hadapan anda terdapat 4 sampel buah pare kukus. Cicipilah sampel berurutan dari kiri ke kanan dan tuliskan kode sampel pada kolom yang tersedia. Anda diperbolehkan mencicipi sesering mungkin sesuai keperluan anda. Tuliskan ranking pada kolom yang tersedia (1 = tidak pahit, 2 = agak pahit, 3 = pahit, 4 = sangat pahit). **RANKING TIDAK BOLEH SAMA.**

Kode Sampel	Ranking
_____	_____
_____	_____
_____	_____
_____	_____

Worksheet Uji Ranking Hedonik

Tanggal Uji :

Jenis Sampel : Buah Pare Kukus

Identifikasi Sampel	**Kode**
Buah Pare 0%, 45 menit	A
Buah Pare 1%, 45 menit	B
Buah Pare 2%, 45 menit	C
Buah Pare 3%, 45 menit	D

Kode Kombinasi Urutan Penyajian

ABCD = 1	ABCD = 11	ABCD = 21
BCDA = 2	BCDA = 12	BCDA = 22
CDAB = 3	CDAB = 13	CDAB = 23
DABC = 4	DABC = 14	DABC = 24
ACBD = 5	ACBD = 15	ACBD = 25
ABCD = 6	ABCD = 16	ABCD = 26
BCDA = 7	BCDA = 17	BCDA = 27
CDAB = 8	CDAB = 18	CDAB = 28
DABC = 9	DABC = 19	DABC = 29
ACBD = 10	ACBD = 20	ACBD = 30

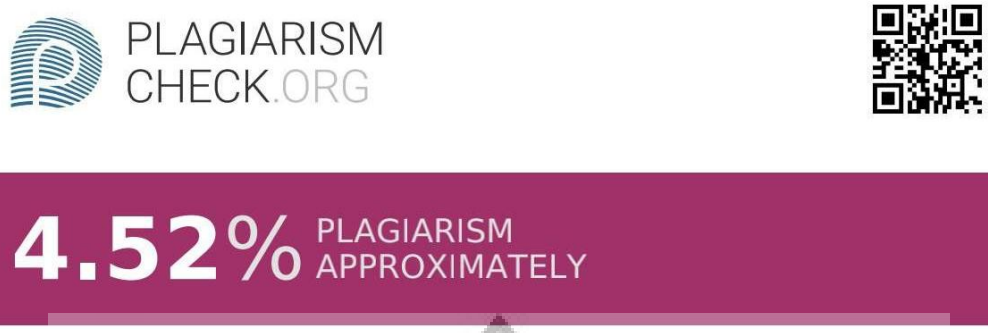
Rekap Kode Sampel

Sampel A	717	453	365	782	762
Sampel B	333	354	672	631	591
Sampel C	548	628	648	561	637
Sampel D	614	723	587	470	371

Penyajian

Booth	Panelis	Kode Sampel Urutan Penyajian
I	1, 6, 11, 16, 21, 26	717, 333, 548, 614 [1]
II	2, 7, 12, 17, 22, 27	354, 628, 723, 453 [2]
III	3, 8, 13, 18, 23, 28	648, 587, 365, 672 [3]
IV	4, 9, 14, 19, 24, 29	470, 782, 631, 561 [4]
V	5, 10, 15, 20, 25, 30	762, 637, 591, 371 [5]

Lampiran 4. Hasil Cek Antiplagiasi


PLAGIARISM CHECK.ORG

4.52% PLAGIARISM APPROXIMATELY

Report #11221818

PENDAHULUANLatar BelakangIndonesia adalah negara kepulauan yang terletak di kawasan tropis. Indonesia terletak diantara 2 benua (Asia dan Australia) dan dua samudera (Hindia dan Pasifik). Indonesia memiliki lebih dari 17.500 pulau yang terdiri dari pulau besar dan pulau kecil. Spesies tumbuhan yang terdapat di Indonesia adalah sekitar 20.000 spesies. Sekitar 1.300 spesies telah digunakan sebagai tanaman obat ADDIN (Kusmana & Hikmat, 2015). Tanaman pare merupakan salah satu tanaman yang sering dimanfaatkan sebagai sayuran sekaligus sebagai obat ADDIN (Abidin, 2011). Pare (Momordica charantia L.) merupakan tumbuhan menjalar yang memiliki buah dengan rasa pahit. Tanaman ini dapat hidup di daerah tropis dan mudah dibudidayakan. Buah pare merupakan bagian dari tumbuhan pare yang paling sering dimanfaatkan manusia untuk diolah menjadi berbagai produk pangan seperti teh, manisan maupun dimasak menjadi sayuran. Rasa buahnya yang pahit menjadikan beberapa masyarakat masih enggan mengkonsumsinya ADDIN (Riyadi, Ishartani, & Purbasari, 2015). Sebelum memasak buah ini, masyarakat biasanya mengurangi rasa pahitnya dengan menggunakan garam. Meskipun rasa pahitnya tidak dapat hilang sepenuhnya, tetapi penggunaan garam ini dipercaya dapat mengurangi rasa pahit yang ada. Buah pare mengandung antioksidan dengan ditemukannya