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LAMPIRAN

Lampiran 1. Data Hasil Pengukuran

A. Hasil Pengukuran pH

No	Perlakuan Penelitian	Sebelum Alkalisasi		Rata-rata	Setelah Alkalisasi		Rata-rata
		1	2		1	2	
1	P ₁	5,52	5,50	5,51	6,38	6,40	6,39
2	P ₂	5,61	5,52	5,57	7,19	7,15	7,17
3	P ₃	5,54	5,52	5,53	7,47	7,40	7,44
4	P ₄	5,55	5,53	5,54	6,50	6,55	6,53
5	P ₅	5,60	5,55	5,58	7,38	7,35	7,37
6	P ₆	5,50	5,55	5,53	7,59	7,60	7,60
7	P ₇	5,50	5,60	5,55	6,70	6,80	6,75
8	P ₈	5,70	5,65	5,68	7,47	7,49	7,48
9	P ₉	5,53	5,56	5,55	7,66	7,68	7,67
10	P ₁₀	5,62	5,59	5,61	7,75	7,70	7,73
11	P ₁₁	5,66	5,62	5,64	8,03	8,04	8,04
12	P ₁₂	5,68	5,63	5,66	8,31	8,34	8,33
13	P ₁₃	5,78	5,71	5,75	7,81	7,82	7,82
14	P ₁₄	5,60	5,54	5,57	8,13	8,12	8,13
15	P ₁₅	5,57	5,51	5,54	8,58	8,55	8,57
16	P ₁₆	5,64	5,53	5,59	7,87	7,85	7,86
17	P ₁₇	5,63	5,59	5,61	8,25	8,23	8,24
18	P ₁₈	5,50	5,56	5,53	8,67	8,69	8,68
19	P ₁₉	5,55	5,58	5,57	8,71	8,73	8,72
20	P ₂₀	5,53	5,52	5,53	9,00	9,01	9,01
21	P ₂₁	5,52	5,50	5,51	9,49	9,39	9,44
22	P ₂₂	5,56	5,55	5,56	8,81	8,80	8,81
23	P ₂₃	5,67	5,70	5,69	9,07	9,09	9,08
24	P ₂₄	5,51	5,58	5,55	9,65	9,63	9,64
25	P ₂₅	5,59	5,55	5,57	8,90	8,89	8,90
26	P ₂₆	5,62	5,56	5,59	9,19	9,17	9,18
27	P ₂₇	5,53	5,55	5,54	9,69	9,66	9,68

B. Hasil Pengukuran *L

No	Perlakuan Penelitian	Sebelum Alkalisasi		Rata-rata	Setelah Alkalisasi		Rata-rata
		1	2		1	2	
		1	P ₁		50,45	50,30	
2	P ₂	50,60	50,67	50,64	36,03	36,02	36,03
3	P ₃	50,57	50,50	50,54	35,01	35,05	35,03
4	P ₄	50,56	50,71	50,64	38,01	38,07	38,04
5	P ₅	50,79	50,70	50,75	35,44	35,40	35,42
6	P ₆	50,05	50,07	50,06	34,11	34,08	34,10
7	P ₇	50,88	50,78	50,83	37,00	37,03	37,02
8	P ₈	50,05	50,07	50,06	34,20	34,25	34,23
9	P ₉	50,81	50,79	50,80	32,25	32,23	32,24
10	P ₁₀	50,25	50,30	50,28	30,07	30,03	30,05
11	P ₁₁	50,72	50,68	50,70	28,01	28,00	28,01
12	P ₁₂	50,71	50,80	50,78	25,25	25,15	25,20
13	P ₁₃	50,70	50,68	50,69	29,32	29,30	29,31
14	P ₁₄	50,45	50,42	50,44	27,11	27,08	27,10
15	P ₁₅	50,50	50,60	50,55	25,00	25,01	25,01
16	P ₁₆	50,88	50,80	50,84	28,27	29,01	28,64
17	P ₁₇	50,65	50,71	50,68	26,31	26,19	26,25
18	P ₁₈	50,45	50,52	50,49	23,49	23,51	23,50
19	P ₁₉	50,50	50,70	50,60	22,00	22,01	22,01
20	P ₂₀	50,81	50,75	50,78	18,90	19,00	18,95
21	P ₂₁	50,74	50,81	50,78	14,19	14,17	14,18
22	P ₂₂	50,78	50,72	50,75	21,09	21,00	21,05
23	P ₂₃	50,89	50,90	50,90	18,00	18,05	18,03
24	P ₂₄	50,47	50,53	50,50	11,25	11,09	11,17
25	P ₂₅	50,52	50,69	50,61	20,00	20,03	20,02
26	P ₂₆	50,81	50,85	50,83	15,20	15,25	15,23
27	P ₂₇	50,98	50,85	50,92	9,90	9,96	9,93

C. Hasil Pengukuran *a

No	Perlakuan Penelitian	Sebelum Alkalisasi		Rata-rata	Setelah Alkalisasi		Rata-rata
		1	2		1	2	
		1	P ₁		15,97	15,86	
2	P ₂	15,14	15,13	15,14	15,05	15,07	15,06
3	P ₃	14,11	14,09	14,10	14,03	14,07	14,05
4	P ₄	15,23	15,27	15,25	15,50	15,53	15,52
5	P ₅	15,10	15,09	15,10	14,87	14,85	14,86
6	P ₆	14,00	14,98	14,49	13,89	13,79	13,84
7	P ₇	15,20	15,18	15,19	15,30	15,33	15,32
8	P ₈	15,00	15,83	15,42	14,47	14,39	14,43
9	P ₉	13,80	13,87	13,84	13,50	13,51	13,51
10	P ₁₀	14,57	14,60	14,59	13,00	12,98	12,99
11	P ₁₁	15,43	15,45	15,44	12,13	12,08	12,11
12	P ₁₂	14,78	14,89	14,84	11,32	11,30	11,31
13	P ₁₃	14,78	14,85	14,82	12,89	12,84	12,87
14	P ₁₄	15,78	15,59	15,69	12,00	12,00	12,00
15	P ₁₅	14,81	14,90	14,86	11,09	11,04	11,07
16	P ₁₆	15,50	15,18	15,19	12,51	12,57	12,54
17	P ₁₇	14,51	14,55	14,53	11,58	11,60	11,59
18	P ₁₈	15,00	15,02	15,01	11,00	11,00	11,00
19	P ₁₉	15,47	15,58	15,53	10,90	10,87	10,89
20	P ₂₀	15,25	15,23	15,24	10,03	10,00	10,02
21	P ₂₁	14,78	14,83	14,81	8,78	8,81	8,80
22	P ₂₂	15,78	15,50	15,64	10,50	10,47	10,49
23	P ₂₃	15,54	15,58	15,56	9,79	9,83	9,81
24	P ₂₄	14,58	14,41	14,50	8,05	8,00	8,03
25	P ₂₅	14,38	14,48	14,43	10,21	10,15	10,18
26	P ₂₆	15,71	15,80	15,76	9,25	9,18	9,22
27	P ₂₇	15,80	15,75	15,78	7,67	7,78	7,73

D. Hasil Pengukuran *b

No	Perlakuan Penelitian	Sebelum Alkalisasi		Rata-rata	Setelah Alkalisasi		Rata-rata
		1	2		1	2	
1	P ₁	13,77	13,89	13,83	13,55	13,67	13,61
2	P ₂	14,87	14,89	14,88	13,01	13,00	13,01
3	P ₃	13,95	14,07	14,01	12,58	12,53	12,56
4	P ₄	14,85	14,95	14,90	13,31	13,34	13,33
5	P ₅	13,77	13,59	13,68	12,93	12,81	12,87
6	P ₆	13,88	13,90	13,89	12,19	12,21	12,20
7	P ₇	14,13	14,19	14,16	13,18	13,15	13,17
8	P ₈	13,85	13,79	13,82	12,72	12,75	12,74
9	P ₉	14,78	14,89	14,84	12,00	12,03	12,02
10	P ₁₀	14,88	14,95	14,92	11,83	11,85	11,84
11	P ₁₁	14,56	14,72	14,64	11,07	11,04	11,06
12	P ₁₂	14,83	14,85	14,84	10,43	10,42	10,43
13	P ₁₃	13,78	13,80	13,79	11,71	11,73	11,72
14	P ₁₄	13,78	13,59	13,69	10,90	10,84	10,87
15	P ₁₅	14,71	14,78	14,78	10,18	10,19	10,19
16	P ₁₆	13,81	13,83	13,82	11,52	11,50	11,51
17	P ₁₇	14,48	14,41	14,45	10,65	10,69	10,67
18	P ₁₈	14,85	14,71	14,78	10,00	10,03	10,02
19	P ₁₉	14,57	14,99	14,78	9,81	9,83	9,82
20	P ₂₀	15,05	15,01	15,03	9,03	9,05	9,04
21	P ₂₁	14,88	14,93	14,91	8,55	8,53	8,54
22	P ₂₂	14,13	14,19	14,16	9,58	9,54	9,56
23	P ₂₃	13,90	13,98	13,94	8,71	8,67	8,69
24	P ₂₄	13,79	13,89	13,84	7,67	7,83	7,75
25	P ₂₅	14,47	14,49	14,48	9,18	9,23	9,23
26	P ₂₆	14,78	14,80	14,79	8,45	8,41	8,43
27	P ₂₇	14,98	14,53	14,76	6,98	6,90	6,94

Lampiran 2. Hasil Uji ANOVA dengan SPSS

1. Hasil Uji pH

Between-Subjects Factors

		Value Label	N
Konsentrasi	1	1%	18
	2	2%	18
	3	3%	18
Suhu	1	50 °C	18
	2	70 °C	18
	3	90 °C	18
Waktu	1	15 Menit	18
	2	30 Menit	18
	3	45 Menit	18

Tests of Between-Subjects Effects

Dependent Variable:pH

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	42.957 ^a	26	1.652	2.242E3	.000
Intercept	3604.767	1	3604.767	4.891E6	.000
Konsentrasi	7.030	2	3.515	4.769E3	.000
Suhu	.640	2	.320	434.369	.000
Waktu	34.623	2	17.311	2.349E4	.000
Konsentrasi * Suhu	.055	4	.014	18.734	.000
Suhu * Waktu	.051	4	.013	17.151	.000
Konsentrasi * Suhu * Waktu	.021	8	.003	3.496	.007
Konsentrasi * Waktu	.538	4	.134	182.426	.000
Error	.020	27	.001		
Total	3647.744	54			
Corrected Total	42.977	53			

a. R Squared = 1,000 (Adjusted R Squared =,999)

Konsentrasi

Homogeneous Subsets

pH

Duncan

Konsentrasi	N	Subset		
		1	2	3
1%	18	7.7206		
2%	18		8.1867	
3%	18			8.6039
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) = ,001.

Suhu

Homogeneous Subsets

pH

Duncan

Suhu	N	Subset		
		1	2	3
50 °C	18	8.0272		
70 °C	18		8.1928	
90 °C	18			8.2911
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) = ,001.

Waktu

Homogeneous Subsets

pH

Duncan

Waktu	N	Subset		
		1	2	3
15 Menit	18	7.1989		
30 Menit	18		8.1522	
45 Menit	18			9.1600
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) = ,001.

2. Hasil Uji nilai *L

Between-Subjects Factors

		Value Label	N
Konsentrasi	1	1%	18
	2	2%	18
	3	3%	18
Suhu	1	50 °C	18
	2	70 °C	18
	3	90 °C	18
Waktu	1	15 Menit	18
	2	30 Menit	18
	3	45 Menit	18

Tests of Between-Subjects Effects

Dependent Variable:L

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	3712.471 ^a	26	142.787	4.642E3	.000
Intercept	37889.177	1	37889.177	1.232E6	.000
Konsentrasi	339.706	2	169.853	5.522E3	.000
Suhu	53.556	2	26.778	870.613	.000
Waktu	3258.128	2	1629.064	5.296E4	.000
Konsentrasi * Suhu	1.822	4	.456	14.811	.000
Suhu * Waktu	4.427	4	1.107	35.984	.000
Konsentrasi * Suhu * Waktu	4.531	8	.566	18.416	.000
Konsentrasi * Waktu	50.301	4	12.575	408.852	.000
Error	.830	27	.031		
Total	41602.478	54			
Corrected Total	3713.302	53			

a. R Squared = 1,000 (Adjusted R Squared = 1,000)

Konsentrasi

Homogeneous Subsets

L

Duncan

Konsentrasi	N	Subset		
		1	2	3
3%	18	23.3722		
2%	18		26.5800	
1%	18			29.5139
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) = ,031.

Suhu

Homogeneous Subsets

L

Duncan

Suhu	N	Subset		
		1	2	3
90 °C	18	25.2267		
70 °C	18		26.5783	
50 °C	18			27.6611
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) = ,031.

Waktu

Homogeneous Subsets

L

Duncan

Waktu	N	Subset		
		1	2	3
45 Menit	18	16.7272		
30 Menit	18		27.0061	
15 Menit	18			35.7328
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) = ,031.

3. Hasil uji nilai *a

Between-Subjects Factors

		Value Label	N
Konsentrasi	1	1%	18
	2	2%	18
	3	3%	18
Suhu	1	50 °C	18
	2	70 °C	18
	3	90 °C	18
Waktu	1	15 Menit	18
	2	30 Menit	18
	3	45 Menit	18

Tests of Between-Subjects Effects

Dependent Variable:A

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	286.433 ^a	26	11.017	9.458E3	.000
Intercept	7822.389	1	7822.389	6.716E6	.000
Konsentrasi	33.257	2	16.628	1.428E4	.000
Suhu	3.368	2	1.684	1.446E3	.000
Waktu	248.097	2	124.049	1.065E5	.000
Konsentrasi * Suhu	.140	4	.035	29.980	.000
Suhu * Waktu	.315	4	.079	67.709	.000
Konsentrasi * Suhu * Waktu	.149	8	.019	16.031	.000
Konsentrasi * Waktu	1.106	4	.277	237.436	.000
Error	.031	27	.001		
Total	8108.853	54			
Corrected Total	286.464	53			

a. R Squared = 1,000 (Adjusted R Squared = 1,000)

Konsentrasi

Homogeneous Subsets

A

Duncan

Konsentrasi	N	Subset		
		1	2	3
3%	18	11.0350		
2%	18		12.1206	
1%	18			12.9517
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) = ,001.

Suhu

Homogeneous Subsets

A

Duncan

Suhu	N	Subset		
		1	2	3
90 °C	18	11.7222		
70 °C	18		12.0517	
50 °C	18			12.3333
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) = ,001.

Waktu

Homogeneous Subsets

A

Duncan

Waktu	N	Subset		
		1	2	3
45 Menit	18	9.4594		
30 Menit	18		11.9406	
15 Menit	18			14.7072
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) = ,001.

4. Hasil uji nilai *b

Between-Subjects Factors

		Value Label	N
Konsentrasi	1	1%	18
	2	2%	18
	3	3%	18
Suhu	1	50 °C	18
	2	70 °C	18
	3	90 °C	18
Waktu	1	15 Menit	18
	2	30 Menit	18
	3	45 Menit	18

Tests of Between-Subjects Effects

Dependent Variable:B

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	180.888 ^a	26	6.957	4.457E3	.000
Intercept	6304.826	1	6304.826	4.039E6	.000
Konsentrasi	19.160	2	9.580	6.137E3	.000
Suhu	3.012	2	1.506	964.784	.000
Waktu	156.653	2	78.327	5.017E4	.000
Konsentrasi * Suhu	.339	4	.085	54.300	.000
Suhu * Waktu	.605	4	.151	96.837	.000
Konsentrasi * Suhu * Waktu	.367	8	.046	29.396	.000
Konsentrasi * Waktu	.752	4	.188	120.350	.000
Error	.042	27	.002		
Total	6485.756	54			
Corrected Total	180.930	53			

a. R Squared = 1,000 (Adjusted R Squared = 1,000)

Konsentrasi

Homogeneous Subsets

B

Duncan

Konsentrasi	N	Subset		
		1	2	3
3%	18	10.0694		
2%	18		10.8183	
1%	18			11.5283
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) = ,002.

Suhu

Homogeneous Subsets

B

Duncan

Suhu	N	Subset		
		1	2	3
90 °C	18	10.5206		
70 °C	18		10.7967	
50 °C	18			11.0989
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) = ,002.

Waktu

Homogeneous Subsets

B

Duncan

Waktu	N	Subset		
		1	2	3
45 Menit	18	8.6639		
30 Menit	18		10.9211	
15 Menit	18			12.8311
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) = ,002.

Lampiran 3. Hasil Analisis Organoleptik

1. Organoleptik Tahap 1

a. Aroma

		Value Label	N
SAMPEL	1	Konsentrasi 1%	15
	2	Konsentrasi 2%	15
	3	Konsentrasi 3%	15
PANELIS	1		3
	2		3
	3		3
	4		3
	5		3
	6		3
	7		3
	8		3
	9		3
	10		3
	11		3
	12		3
	13		3
	14		3
	15		3

Tests of Between-Subjects Effects

Dependent Variable: AROMA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	103.822 ^a	16	6.489	9.044	.000
Intercept	393.089	1	393.089	547.889	.000
SAMPEL	102.578	2	51.289	71.487	.000
PANELIS	1.244	14	.089	.124	1.000
Error	20.089	28	.717		
Total	517.000	45			
Corrected Total	123.911	44			

a. R Squared = ,838 (Adjusted R Squared = ,745)

Duncan

SAMPEL	N	Subset		
		1	2	3
KONSENTRASI 1%	15	1.40		
KONSENTRASI 2%	15		2.47	
KONSENTRASI 3%	15			5.00
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) = ,717.

b. Asam

		Value Label	N
SAMPEL	1	Konsentrasi 1%	15
	2	Konsentrasi 2%	15
	3	Konsentrasi 3%	15
PANELIS	1		3
	2		3
	3		3
	4		3
	5		3
	6		3
	7		3
	8		3
	9		3
	10		3
	11		3
	12		3
	13		3
	14		3
	15		3

Tests of Between-Subjects Effects

Dependent Variable:ASAM

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	64.533 ^a	16	4.033	2.036	.048
Intercept	405.000	1	405.000	204.447	.000
SAMPEL	64.533	2	32.267	16.288	.000
PANELIS	.000	14	.000	.000	1.000
Error	55.467	28	1.981		
Total	525.000	45			
Corrected Total	120.000	44			

a. R Squared = ,538 (Adjusted R Squared = ,274)

Duncan

SAMPEL	N	Subset		
		1	2	3
KONSENTRASI 1%	15	1.53		
KONSENTRASI 2%	15		3.00	
KONSENTRASI 3%	15			4.47
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) = 1,981.

c. Pahit

		Value Label	N
SAMPEL	1	Konsentrasi 1%	15
	2	Konsentrasi 2%	15
	3	Konsentrasi 3%	15
PANELIS	1		3
	2		3
	3		3
	4		3
	5		3
	6		3
	7		3
	8		3
	9		3
	10		3
	11		3
	12		3
	13		3
	14		3
	15		3

Tests of Between-Subjects Effects

Dependent Variable:PAHIT

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	67.556 ^a	16	4.222	2.270	.028
Intercept	381.356	1	381.356	204.995	.000
SAMPEL	65.244	2	32.622	17.536	.000
PANELIS	2.311	14	.165	.089	1.000
Error	52.089	28	1.860		
Total	501.000	45			
Corrected Total	119.644	44			

a. R Squared = ,565 (Adjusted R Squared = ,316)

Duncan

SAMPEL	N	Subset		
		1	2	3
KONSENTRASI 1%	15	1.53		
KONSENTRASI 2%	15		2.73	
KONSENTRASI 3%	15			4.47
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) = 1,860.

2. Organoleptik Tahap 2

a. Aroma

		Value Label	N
SAMPEL	1	Suhu 50 °C	15
	2	Suhu 70 °C	15
	3	Suhu 90 °C	15
PANELIS	1		3
	2		3
	3		3
	4		3
	5		3
	6		3
	7		3
	8		3
	9		3
	10		3
	11		3
	12		3
	13		3
	14		3
	15		3

Tests of Between-Subjects Effects

Dependent Variable: AROMA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	65.956 ^a	16	4.122	1.992	.054
Intercept	393.089	1	393.089	189.913	.000
SAMPEL	64.711	2	32.356	15.632	.000
PANELIS	1.244	14	.089	.043	1.000
Error	57.956	28	2.070		
Total	517.000	45			
Corrected Total	123.911	44			

a. R Squared = ,532 (Adjusted R Squared = ,265)

Duncan

SAMPEL	N	Subset		
		1	2	3
SUHU 50 °C	15	1.53		
SUHU 70 °C	15		2.87	
SUHU 90 °C	15			4.47
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) = 2,070.

b. Asam

		Value Label	N
SAMPEL	1	Suhu 50 °C	15
	2	Suhu 70 °C	15
	3	Suhu 90 °C	15
PANELIS	1		3
	2		3
	3		3

	4	3
	5	3
	6	3
	7	3
PANELIS	8	3
	9	3
	10	3
	11	3
	12	3
	13	3
	14	3
	15	3

Tests of Between-Subjects Effects

Dependent Variable:ASAM

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	64.533 ^a	16	4.033	2.036	.048
Intercept	405.000	1	405.000	204.447	.000
SAMPEL	64.533	2	32.267	16.288	.000
PANELIS	.000	14	.000	.000	1.000
Error	55.467	28	1.981		
Total	525.000	45			
Corrected Total	120.000	44			

a. R Squared = ,538 (Adjusted R Squared = ,274)

ASAM

Duncan

SAMPEL	N	Subset		
		1	2	3
SUHU 50 °C	15	1.53		
SUHU 70 °C	15		3.00	
SUHU 90 °C	15			4.47
Sig.		1.000	1.000	1.000

c. Pahit

		Value Label	N
SAMPEL	1	Suhu 50 °C	15
	2	Suhu 70 °C	15
	3	Suhu 90 °C	15
PANELIS	1		3
	2		3
	3		3
	4		3
	5		3
	6		3
	7		3
	8		3
	9		3
	10		3
	11		3
	12		3
	13		3
	14		3
	15		3

Tests of Between-Subjects Effects

Dependent Variable:PAHIT

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	64.533 ^a	16	4.033	2.036	.048
Intercept	405.000	1	405.000	204.447	.000
SAMPEL	64.533	2	32.267	16.288	.000
PANELIS	.000	14	.000	.000	1.000
Error	55.467	28	1.981		
Total	525.000	45			
Corrected Total	120.000	44			

a. R Squared = ,538 (Adjusted R Squared = ,274)

PAHIT

Duncan

SAMPEL	N	Subset		
		1	2	3
SUHU 50 °C	15	1.53		
SUHU 70 °C	15		3.00	
SUHU 90 °C	15			4.47
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) = 1,981.

3. Hasil Organoleptik Tahap 3

a. Aroma

		Value Label	N
SAMPEL	1	Lama alkalisasi 15 menit	15
	2	Lama alkalisasi 30 menit	15
	3	Lama alkalisasi 45 menit	15
PANELIS	1		3
	2		3
	3		3
	4		3
	5		3
	6		3
	7		3
	8		3
	9		3
	10		3
	11		3
	12		3
	13		3
	14		3
	15		3

Tests of Between-Subjects Effects

Dependent Variable: AROMA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	70.933 ^a	16	4.433	2.530	.015
Intercept	405.000	1	405.000	231.114	.000
SAMPEL	70.933	2	35.467	20.239	.000
PANELIS	.000	14	.000	.000	1.000
Error	49.067	28	1.752		
Total	525.000	45			
Corrected Total	120.000	44			

a. R Squared = ,591 (Adjusted R Squared = ,357)

AROMA

Duncan

SAMPEL	N	Subset		
		1	2	3
Lama Alkalisasi 15 Menit	15	1.53		
Lama Alkalisasi 30 Menit	15		2.87	
Lama Alkalisasi 45 Menit	15			4.60
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) = 1,752.

b. Asam

		Value Label	N
SAMPEL	1	Lama alkalisasi 15 menit	15
	2	Lama alkalisasi 30 menit	15
	3	Lama alkalisasi 45 menit	15
PANELIS	1		3
	2		3
	3		3
	4		3
	5		3
	6		3
	7		3
	8		3
	9		3
	10		3
	11		3
	12		3
	13		3
	14		3
	15		3

Tests of Between-Subjects Effects

Dependent Variable:ASAM

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	83.733 ^a	16	5.233	4.040	.001
Intercept	405.000	1	405.000	312.684	.000
SAMPEL	83.733	2	41.867	32.324	.000
PANELIS	.000	14	.000	.000	1.000
Error	36.267	28	1.295		
Total	525.000	45			
Corrected Total	120.000	44			

a. R Squared = ,698 (Adjusted R Squared = ,525)

Duncan

SAMPEL	N	Subset		
		1	2	3
Lama Alkalisasi 15 Menit	15	1.40		
Lama Alkalisasi 30 Menit	15		2.87	
Lama Alkalisasi 45 Menit	15			4.73
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) = 1,295.

c. Pahit

		Value Label	N
SAMPEL	1	Lama alkalisasi 15 menit	15
	2	Lama alkalisasi 30 menit	15
	3	Lama alkalisasi 45 menit	15
PANELIS	1		3
	2		3
	3		3
	4		3
	5		3
	6		3
	7		3
	8		3
	9		3
	10		3
	11		3
	12		3

	13	3
PANELIS	14	3
	15	3

Tests of Between-Subjects Effects

Dependent Variable:PAHIT

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	63.822 ^a	16	3.989	2.001	.052
Intercept	429.356	1	429.356	215.361	.000
SAMPEL	58.844	2	29.422	14.758	.000
PANELIS	4.978	14	.356	.178	.999
Error	55.822	28	1.994		
Total	549.000	45			
Corrected Total	119.644	44			

a. R Squared = ,533 (Adjusted R Squared = ,267)

Duncan

SAMPEL	N	Subset		
		1	2	3
Lama Alkalisasi 15 Menit	15	1.67		
Lama Alkalisasi 30 Menit	15		3.13	
Lama Alkalisasi 45 Menit	15			4.47
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) = 1,994.

Lampiran 4. Dokumentasi Penelitian



Pencampuran cocoa cake dengan bahan alkali



Pengalkalisasin



Sampel setelah alkalisasi



Pengukuran *L, *a dan *b



Proses *grinding cocoa cake*



Bubuk kakao



Pengujian sampel oleh panelis