

LAMPIRAN

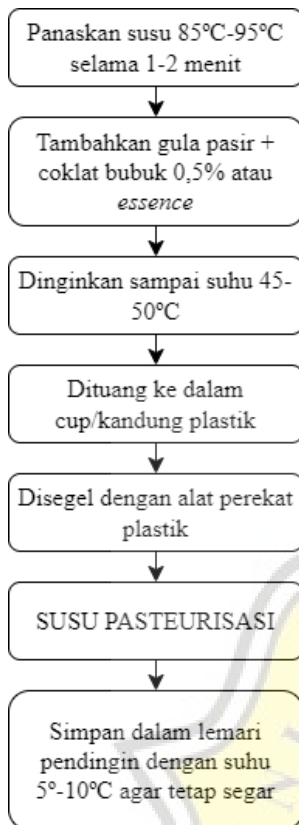
Lampiran 1. SNI Susu Pasteurisasi

Tabel 11. SNI Susu Pasteurisasi (SNI 01-3951-1955)

Karakteristik	Syarat		Cara Pengujian
	A	B	
Bau	khas	khas	Organoleptik
Rasa	khas	khas	Organoleptik
Warna	khas	khas	Organoleptik
Kadar lemak, % (bobot/bobot) min.	2,8	1,5	SP-SMP-247-1980
Kadar padatan tanpa lemak, % (bobot/bobot) min.	7,7	7,5	SP-SMP-249-1980
Uji reduktase dengan methylen biru	0	0	SP-SMP-251-1980
Kadar protein, % (bobot/bobot) min.	2,5	2,5	SP-SMP-79-1975
Uji fosfatase	0	0	SP-SMP-250-1980
T.P.C (Total Plate Count), ml, maks.	3×10^4	3×10^4	SP-SMP-93-1975
Coliform presumptive MPH/ml, maks.	10	10	SP-SMP-94-1975
Logam berbahaya :			
As, (ppm) maks.	1	1	SP-SMP-193-1977 Depkes S.I. 7
Pb, (ppm) maks.	1	1	SP-SMP-197-1977 Depkes S.I. 7
Cu, (ppm) maks.	2	2	SP-SMP-247-1980
Zmn, (ppm) maks.	5	5	SP-SMP-190-1977 AOAC 25136-25142
Bahan pengawet	Sesuai dengan Peraturan Menteri Kesehatan R.I. No. 235/Men. Kes/Per/IV/79		

Catatan :

- A merupakan susu pasteurisasi tanpa diberi penyedap cita rasa
- B merupakan susu pasteurisasi yang diberi penyedap cita rasa

Lampiran 2. Diagram Alir Pembuatan Susu Pasteurisasi

Gambar 15. Diagram Alir Pembuatan Susu Pasteurisasi (Bakar & Usmiati, 2009)

Lampiran 3. Perhitungan Normalitas dan Homogenitas Data

Tabel 12. Uji Normalitas Data Analisis Fisik

Tests of Normality						
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
cP	,143	24	,200*	,933	24	,113
L	,107	24	,200*	,955	24	,340
a	,116	24	,200*	,881	24	,009
b	,118	24	,200*	,893	24	,015

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

a. Lilliefors Significance Correction

Tabel 13. Uji Homogenitas Data Analisis Fisik

Test of Homogeneity of Variance					
		Levene Statistic	df1	df2	Sig.
cP	Based on Mean	6,087	3	20	,004
	Based on Median	4,142	3	20	,020
	Based on Median and with adjusted df	4,142	3	9,060	,042
	Based on trimmed mean	6,049	3	20	,004
L	Based on Mean	1,424	3	20	,265
	Based on Median	1,190	3	20	,339
	Based on Median and with adjusted df	1,190	3	13,294	,351
	Based on trimmed mean	1,329	3	20	,293
a	Based on Mean	1,005	3	20	,411
	Based on Median	,579	3	20	,635
	Based on Median and with adjusted df	,579	3	10,068	,642
	Based on trimmed mean	,857	3	20	,480
b	Based on Mean	,928	3	20	,446
	Based on Median	,822	3	20	,497
	Based on Median and with adjusted df	,822	3	11,600	,508
	Based on trimmed mean	,917	3	20	,451

Untuk cP dapat dihitung secara manual dan didapatkan :

Levene hitung 3,591
 Levene Tabel (0,05,
 df=2) 5,991

Kesimpulan Variance
 Homogen

Lampiran 4. Perhitungan Statistik Mikrobiologi

Tabel 14. Uji Kruskal Wallis Perbandingan Antara Hari (TPC Inkubasi 63°C, 24 jam)

Test Statistics^{a,b}

	CFU
Chi-Square	,206
df	3
Asymp. Sig.	,977

a. Kruskal Wallis Test

b. Grouping Variable: Hari

Tabel 15. Uji Kruskal Wallis Perbandingan Antara Hari (TPC Inkubasi 80°C, 24 jam)

Test Statistics^{a,b}

	CFU
Chi-Square	,051
df	3
Asymp. Sig.	,997

a. Kruskal Wallis Test

b. Grouping Variable: Hari

Tabel 16. Uji Kruskal Wallis Perbandingan Antara Hari (TPC Inkubasi 63°C, 48 jam)

Test Statistics^{a,b}

	CFU
Chi-Square	,486
df	3
Asymp. Sig.	,922

a. Kruskal Wallis Test

b. Grouping Variable: Hari

Tabel 17. Uji Kruskal Wallis Perbandingan Antara Hari (TPC Inkubasi 80°C, 48 jam)

Test Statistics^{a,b}

	CFU
Chi-Square	,571
df	3
Asymp. Sig.	,903

a. Kruskal Wallis Test

b. Grouping Variable: Hari

Tabel 18. Uji Mann Whitney U (Perbandingan Antara Suhu)

Test Statistics ^b								
	H0 24	H2 24	H4 24	H7 24	H0 48	H2 48	H4 48	H7 48
Mann-Whitney U	4,000	2,500	4,500	3,500	3,000	2,500	4,000	4,000
Wilcoxon W	10,000	8,500	10,500	9,500	9,000	8,500	10,000	10,000
Z	-,221	-,296	,000	-,443	-,696	-,296	-,232	-,221
Asymp. Sig. (2-tailed)	,825	,767	1,000	,658	,487	,767	,817	,825
Exact Sig. [2*(1-tailed Sig.)]	1,000 ^a	,800 ^a	1,000 ^a	,700 ^a	,700 ^a	,800 ^a	1,000 ^a	1,000 ^a

a. Not corrected for ties.

b. Grouping Variable: Suhu



Lampiran 5. Perhitungan Statistik Analisis Fisik

Tabel 19. Uji Independent T-test cP dan Torque (perbandingan antara suhu)

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
cP_H0	Equal variances assumed	3,673	,128	,429	4	,690	1,36667	3,18242	-7,46914	10,20247
	Equal variances not assumed			,429	2,769	,699	1,36667	3,18242	-9,25604	11,98938
cP_H2	Equal variances assumed	,800	,422	20,351	4	,000	14,45000	,71005	12,47859	16,42141
	Equal variances not assumed			20,351	2,941	,000	14,45000	,71005	12,16453	16,73547
cP_H4	Equal variances assumed	3,200	,148	3,667	4	,021	9,56667	2,60917	2,32244	16,81089
	Equal variances not assumed			3,667	2,034	,065	9,56667	2,60917	-1,48056	20,61390
cP_H7	Equal variances assumed	3,015	,157	11,171	4	,000	10,40000	,93095	7,81527	12,98473
	Equal variances not assumed			11,171	2,062	,007	10,40000	,93095	6,50852	14,29148

Tabel 20. Uji One-way ANOVA cP dan Torque (Perbandingan Antara Hari)

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
cP_63	Between Groups	1287,276	3	429,092	37,383	,000
	Within Groups	91,825	8	11,478		
	Total	1379,101	11			
cP_80	Between Groups	617,153	3	205,718	91,362	,000
	Within Groups	18,013	8	2,252		
	Total	635,167	11			

Tabel 21. Uji Posthoc Duncan cP (63°C)

		Subset for alpha = .05		
Hari	N	1	2	3
H0	3	22,0000		
H2	3		40,7500	
H4	3		45,1000	45,1000
H7	3			49,0000
Sig.		1,000	,154	,196

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Tabel 22. Uji Posthoc Duncan cP (80°C)

cP_80

Duncan^a

Hari	N	Subset for alpha = .05			
		1	2	3	4
H0	3	20,6333			
H2	3		26,3000		
H4	3			35,5333	
H7	3				38,6000
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Tabel 23. Uji Independent T-test L, a*, b* hari ke-0 (perbandingan antara suhu)

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means					95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
L_H0	Equal variances assumed	2,396	,197	-,959	4	,392	-1,51667	1,58149	-5,90759	2,87425
	Equal variances not assumed			-,959	2,251	,429	-1,51667	1,58149	-7,64425	4,61091
a_H0	Equal variances assumed	13,676	,021	-,184	4	,863	-,10333	,56289	-1,66616	1,45950
	Equal variances not assumed			-,184	2,007	,871	-,10333	,56289	-2,51731	2,31064
b_H0	Equal variances assumed	3,028	,157	2,119	4	,101	1,18333	,55837	-,36695	2,73362
	Equal variances not assumed			2,119	2,919	,127	1,18333	,55837	-,62181	2,98848

Tabel 24. Uji Independent T-test L, a*, b* hari ke-2 (perbandingan antara suhu)

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means					95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
L_h2	Equal variances assumed	7,668	,050	,125	4	,907	,21333	1,70779	-4,52826	4,95493
	Equal variances not assumed			,125	2,281	,911	,21333	1,70779	-6,33114	6,75781
a_H2	Equal variances assumed	,793	,424	3,674	4	,021	,35667	,09707	,08716	,62617
	Equal variances not assumed			3,674	3,571	,026	,35667	,09707	,07389	,63944
b_H2	Equal variances assumed	,003	,962	2,140	4	,099	,52000	,24294	-,15452	1,19452
	Equal variances not assumed			2,140	3,996	,099	,52000	,24294	-,15481	1,19481

Tabel 25. Uji Independent T-test L, a*, b* hari ke-4 (perbandingan antara suhu)

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
L_H4	Equal variances assumed	5,309	,083	-3,013	4	,039	-1,94333	,64496	-3,73404	-,15263
	Equal variances not assumed			-3,013	2,431	,075	-1,94333	,64496	-4,29650	,40983
a_H4	Equal variances assumed	8,947	,040	3,730	4	,020	,39667	,10635	,10138	,69195
	Equal variances not assumed			3,730	2,036	,063	,39667	,10635	-,05334	,84667
b_H4	Equal variances assumed	,077	,795	1,280	4	,270	,41333	,32297	-,48338	1,31005
	Equal variances not assumed			1,280	3,986	,270	,41333	,32297	-,48465	1,31132

Tabel 26. Uji Independent T-test L, a*, b* hari ke-7 (perbandingan antara suhu)

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
L_H7	Equal variances assumed	,041	,850	3,664	4	,021	,91667	,25016	-,22212	1,61121
	Equal variances not assumed			3,664	3,878	,023	,91667	,25016	-,21340	1,61993
a_H7	Equal variances assumed	4,120	,112	1,793	4	,147	,50000	,27879	-,27404	1,27404
	Equal variances not assumed			1,793	2,591	,185	,50000	,27879	-,47185	1,47185
b_H7	Equal variances assumed	2,749	,173	1,611	4	,182	,60667	,37653	-,43876	1,65209
	Equal variances not assumed			1,611	2,795	,212	,60667	,37653	-,64291	1,85624

Tabel 27. Uji One-way ANOVA L, a*, b* (Perbandingan Antara Hari)

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
L_63	Between Groups	7,563	3	2,521	1,140	,390
	Within Groups	17,699	8	2,212		
	Total	25,262	11			
a_63	Between Groups	,036	3	,012	,192	,899
	Within Groups	,494	8	,062		
	Total	,530	11			
b_63	Between Groups	,560	3	,187	,965	,455
	Within Groups	1,548	8	,193		
	Total	2,108	11			
L_80	Between Groups	36,320	3	12,107	5,479	,024
	Within Groups	17,679	8	2,210		
	Total	53,999	11			
a_80	Between Groups	,384	3	,128	,513	,685
	Within Groups	1,998	8	,250		
	Total	2,382	11			
b_80	Between Groups	2,981	3	,994	3,691	,062
	Within Groups	2,153	8	,269		
	Total	5,134	11			

Tabel 28. Uji Posthoc Duncan L (80°C)

L_80

Duncan^a

Hari	N	Subset for alpha = .05		
		1	2	3
H7	3	91,4600		
H2	3	92,2333	92,2333	
H4	3		94,5100	94,5100
H0	3			95,8067
Sig.		,542	,098	,317

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Tabel 29. Uji Posthoc Duncan b (80°C)

b_80

Duncan^a

Hari	N	Subset for alpha = .05	
		1	2
H0	3	3,9567	
H7	3		5,0133
H4	3		5,0967
H2	3		5,1867
Sig.		1,000	,705

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Untuk lainnya tidak berbeda nyata maka tidak perlu dilanjut dengan uji Posthoc Duncan

Lampiran 6. Perhitungan Statistik Analisis Sensori

Tabel 30. Uji Mann-Whitney U Atribut Sensori hari ke-0 (Perbandingan Antar Suhu)

Test Statistics^a

	Rasa_H0	Aroma_H0	Warna_H0	Tekstur_H0	Kesegaran_ H0	Keseluruhan_ H0
Mann-Whitney U	363,000	333,000	450,000	456,500	415,000	348,500
Wilcoxon W	891,000	861,000	978,000	984,500	943,000	876,500
Z	-2,207	-2,717	-,958	-,865	-1,450	-2,567
Asymp. Sig. (2-tailed)	,027	,007	,338	,387	,147	,010

a. Grouping Variable: Suhu

Tabel 31. Uji Mann-Whitney U Atribut Sensori hari ke-2 (Perbandingan Antar Suhu)

Test Statistics^a

	Rasa_H2	Aroma_H2	Warna_H2	Tekstur_H2	Kesegaran_ H2	Keseluruhan_ H2
Mann-Whitney U	223,000	387,000	500,000	370,000	366,000	319,500
Wilcoxon W	751,000	915,000	1028,000	898,000	894,000	847,500
Z	-4,183	-1,829	-,195	-2,419	-2,136	-2,945
Asymp. Sig. (2-tailed)	,000	,067	,845	,016	,033	,003

a. Grouping Variable: Suhu

Tabel 32. Uji Mann-Whitney U Atribut Sensori hari ke-4 (Perbandingan Antar Suhu)

Test Statistics^a

	Rasa_H4	Aroma_H4	Warna_H4	Tekstur_H4	Kesegaran_ H4	Keseluruhan_ H4
Mann-Whitney U	205,500	360,000	470,000	406,000	347,500	234,500
Wilcoxon W	733,500	888,000	998,000	934,000	875,500	762,500
Z	-4,321	-2,370	-,663	-1,803	-2,428	-4,047
Asymp. Sig. (2-tailed)	,000	,018	,507	,071	,015	,000

a. Grouping Variable: Suhu

Tabel 33. Uji Mann-Whitney U Atribut Sensori hari ke-7 (Perbandingan Antar Suhu)

Test Statistics^a

	Rasa_H7	Aroma_H7	Warna_H7	Tekstur_H7	Kesegaran_ H7	Keseluruhan_ H7
Mann-Whitney U	162,500	309,500	472,000	383,000	171,000	211,000
Wilcoxon W	690,500	837,500	1000,000	911,000	699,000	739,000
Z	-4,947	-2,992	-,629	-2,009	-4,871	-4,344
Asymp. Sig. (2-tailed)	,000	,003	,529	,045	,000	,000

a. Grouping Variable: Suhu

Tabel 34. Uji Friedman Atribut Sensori Rasa (63°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	33,398
df	3
Asymp. Sig.	,000

a. Friedman Test

Tabel 35. Uji Friedman Atribut Sensori Aroma (63°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	13,425
df	3
Asymp. Sig.	,004

a. Friedman Test

Tabel 36. Uji Friedman Atribut Sensori Warna (63°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	8,074
df	3
Asymp. Sig.	,045

a. Friedman Test

Tabel 37. Uji Friedman Atribut Sensori Tekstur (63°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	20,810
df	3
Asymp. Sig.	,000

a. Friedman Test

Tabel 38. Uji Friedman Atribut Sensori Kesegaran (63°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	42,133
df	3
Asymp. Sig.	,000

a. Friedman Test

Tabel 39. Uji Friedman Atribut Sensori Keseluruhan (63°C) (Perbandingan Antar Hari)

Test Statistics ^a	
N	32
Chi-Square	38,468
df	3
Asymp. Sig.	,000

a. Friedman Test

Tabel 40. Uji Wilcoxon Atribut Sensori Rasa (63°C) (Perbandingan Antar Hari)

Test Statistics ^b						
	Rasa_H2_63 - Rasa_H0_63	Rasa_H4_63 - Rasa_H0_63	Rasa_H7_63 - Rasa_H0_63	Rasa_H4_63 - Rasa_H2_63	Rasa_H7_63 - Rasa_H2_63	Rasa_H7_63 - Rasa_H4_63
Z	-2,829 ^a	-3,593 ^a	-4,148 ^a	-2,985 ^a	-3,164 ^a	-,842 ^a
Asymp. Sig. (2-tailed)	,005	,000	,000	,003	,002	,400

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Tabel 41. Uji Wilcoxon Atribut Sensori Aroma (63°C) (Perbandingan Antar Hari)

Test Statistics ^b						
	Aroma_H2_63 - Aroma_H0_63	Aroma_H4_63 - Aroma_H0_63	Aroma_H7_63 - Aroma_H0_63	Aroma_H4_63 - Aroma_H2_63	Aroma_H7_63 - Aroma_H2_63	Aroma_H7_63 - Aroma_H4_63
Z	-,277 ^a	-2,121 ^a	-2,982 ^a	-1,387 ^a	-2,164 ^a	-1,698 ^a
Asymp. Sig. (2-tailed)	,782	,034	,003	,166	,030	,090

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Tabel 42. Uji Wilcoxon Atribut Sensori Warna (63°C) (Perbandingan Antar Hari)

Test Statistics ^b						
	Warna_H2_63 - Warna_H0_63	Warna_H4_63 - Warna_H0_63	Warna_H7_63 - Warna_H0_63	Warna_H4_63 - Warna_H2_63	Warna_H7_63 - Warna_H2_63	Warna_H7_63 - Warna_H4_63
Z	-1,165 ^a	-2,000 ^a	-2,668 ^a	-,728 ^a	-1,606 ^a	-1,265 ^a
Asymp. Sig. (2-tailed)	,244	,046	,008	,467	,108	,206

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Tabel 43. Uji Wilcoxon Atribut Sensori Tekstur (63°C) (Perbandingan Antar Hari)

Test Statistics ^b						
	Tekstur_H2_63 - Tekstur_H0_63	Tekstur_H4_63 - Tekstur_H0_63	Tekstur_H7_63 - Tekstur_H0_63	Tekstur_H4_63 - Tekstur_H2_63	Tekstur_H7_63 - Tekstur_H2_63	Tekstur_H7_63 - Tekstur_H4_63
Z	-2,138 ^a	-3,127 ^a	-3,578 ^a	-1,890 ^a	-2,138 ^a	-,832 ^a
Asymp. Sig. (2-tailed)	,033	,002	,000	,059	,033	,405

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Tabel 44. Uji Wilcoxon Atribut Sensori Kesegaran (63°C) (Perbandingan Antar Hari)

Test Statistics^b

	Kesegaran_ H2_63 - Kesegaran_ H0_63	Kesegaran_ H4_63 - Kesegaran_ H0_63	Kesegaran_ H7_63 - Kesegaran_ H0_63	Kesegaran_ H4_63 - Kesegaran_ H2_63	Kesegaran_ H7_63 - Kesegaran_ H2_63	Kesegaran_ H7_63 - Kesegaran_ H4_63
Z	-2,076 ^a	-2,808 ^a	-4,565 ^a	-1,753 ^a	-4,322 ^a	-3,378 ^a
Asymp. Sig. (2-tailed)	,038	,005	,000	,080	,000	,001

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Tabel 45. Uji Wilcoxon Atribut Sensori Keseluruhan (63°C) (Perbandingan Antar Hari)

Test Statistics^b

	Keseluruhan_ H2_63 - Keseluruhan_ H0_63	Keseluruhan_ H4_63 - Keseluruhan_ H0_63	Keseluruhan_ H7_63 - Keseluruhan_ H0_63	Keseluruhan_ H4_63 - Keseluruhan_ H2_63	Keseluruhan_ H7_63 - Keseluruhan_ H2_63	Keseluruhan_ H7_63 - Keseluruhan_ H4_63
Z	-2,517 ^a	-3,704 ^a	-4,420 ^a	-2,294 ^a	-3,522 ^a	-2,111 ^a
Asymp. Sig. (2-tailed)	,012	,000	,000	,022	,000	,035

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Tabel 46. Uji Friedman Atribut Sensori Rasa (80°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	7,797
df	3
Asymp. Sig.	,050

a. Friedman Test

Tabel 47. Uji Friedman Atribut Sensori Aroma (80°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	3,028
df	3
Asymp. Sig.	,387

a. Friedman Test

Tabel 48. Uji Friedman Atribut Sensori Warna (80°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	8,867
df	3
Asymp. Sig.	,031

a. Friedman Test

Tabel 49. Uji Friedman Atribut Sensori Tekstur (80°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	3,629
df	3
Asymp. Sig.	,304

a. Friedman Test

Tabel 50. Uji Friedman Atribut Sensori Kesegaran (80°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	8,662
df	3
Asymp. Sig.	,034

a. Friedman Test

Tabel 51. Uji Friedman Atribut Sensori Keseluruhan (80°C) (Perbandingan Antar Hari)

Test Statistics^a

N	32
Chi-Square	8,231
df	3
Asymp. Sig.	,041

a. Friedman Test

Tabel 52. Uji Wilcoxon Atribut Sensori Rasa (80°C) (Perbandingan Antar Hari)

Test Statistics^d

	Rasa_H2_80 - Rasa_H0_80	Rasa_H4_80 - Rasa_H0_80	Rasa_H7_80 - Rasa_H0_80	Rasa_H4_80 - Rasa_H2_80	Rasa_H7_80 - Rasa_H2_80	Rasa_H7_80 - Rasa_H4_80
Z	-,746 ^a	-1,166 ^b	-1,133 ^b	-1,823 ^b	-2,134 ^b	,000 ^c
Asymp. Sig. (2-tailed)	,456	,243	,257	,068	,033	1,000

a. Based on negative ranks.

b. Based on positive ranks.

c. The sum of negative ranks equals the sum of positive ranks.

d. Wilcoxon Signed Ranks Test

Tabel 53. Uji Wilcoxon Atribut Sensori Aroma (80°C) (Perbandingan Antar Hari)

Test Statistics^b

	Aroma_H2_80 - Aroma_H0_80	Aroma_H4_80 - Aroma_H0_80	Aroma_H7_80 - Aroma_H0_80	Aroma_H4_80 - Aroma_H2_80	Aroma_H7_80 - Aroma_H2_80	Aroma_H7_80 - Aroma_H4_80
Z	-,632 ^a	-1,127 ^a	-1,372 ^a	-,619 ^a	-1,171 ^a	-,905 ^a
Asymp. Sig. (2-tailed)	,528	,260	,170	,536	,242	,366

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Tabel 54. Uji Wilcoxon Atribut Sensori Warna (80°C) (Perbandingan Antar Hari)

Test Statistics^b

	Warna_H2_80 - Warna_H0_80	Warna_H4_80 - Warna_H0_80	Warna_H7_80 - Warna_H0_80	Warna_H4_80 - Warna_H2_80	Warna_H7_80 - Warna_H2_80	Warna_H7_80 - Warna_H4_80
Z	-1,886 ^a	-2,183 ^a	-2,707 ^a	-,277 ^a	-1,269 ^a	-,846 ^a
Asymp. Sig. (2-tailed)	,059	,029	,007	,782	,204	,398

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Tabel 55. Uji Wilcoxon Atribut Sensori Tekstur (80°C) (Perbandingan Antar Hari)

Test Statistics^c

	Tekstur_H2_80 - Tekstur_H0_80	Tekstur_H4_80 - Tekstur_H0_80	Tekstur_H7_80 - Tekstur_H0_80	Tekstur_H4_80 - Tekstur_H2_80	Tekstur_H7_80 - Tekstur_H2_80	Tekstur_H7_80 - Tekstur_H4_80
Z	-,258 ^a	-1,897 ^a	-1,377 ^a	-1,713 ^a	-1,580 ^a	,000 ^b
Asymp. Sig. (2-tailed)	,796	,058	,168	,087	,114	1,000

a. Based on positive ranks.

b. The sum of negative ranks equals the sum of positive ranks.

c. Wilcoxon Signed Ranks Test

Tabel 56. Uji Wilcoxon Atribut Sensori Kesegaran (80°C) (Perbandingan Antar Hari)

Test Statistics^b

	Kesegaran_H2_80 - Kesegaran_H0_80	Kesegaran_H4_80 - Kesegaran_H0_80	Kesegaran_H7_80 - Kesegaran_H0_80	Kesegaran_H4_80 - Kesegaran_H2_80	Kesegaran_H7_80 - Kesegaran_H2_80	Kesegaran_H7_80 - Kesegaran_H4_80
Z	-1,032 ^a	-2,276 ^a	-2,352 ^a	-1,507 ^a	-1,806 ^a	-,471 ^a
Asymp. Sig. (2-tailed)	,302	,023	,019	,132	,071	,637

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Tabel 57. Uji Wilcoxon Atribut Sensori Keseluruhan (80°C) (Perbandingan Antar Hari)

Test Statistics^b

	Keseluruhan_H2_80 - Keseluruhan_H0_80	Keseluruhan_H4_80 - Keseluruhan_H0_80	Keseluruhan_H7_80 - Keseluruhan_H0_80	Keseluruhan_H4_80 - Keseluruhan_H2_80	Keseluruhan_H7_80 - Keseluruhan_H2_80	Keseluruhan_H7_80 - Keseluruhan_H4_80
Z	-1,355 ^a	-2,496 ^a	-2,079 ^a	-,832 ^a	-1,355 ^a	-,676 ^a
Asymp. Sig. (2-tailed)	,175	,013	,038	,405	,175	,499

a. Based on positive ranks.

b. Wilcoxon Signed Ranks Test

Lampiran 7. Kelengkapan Uji Sensori

Rasa :....

Threshold Test**Nama Panelis :****Kode Panelis :****Tanggal :****Instruksi :**

- a) Didepan anda disajikan 4 larutan berasa dengan kode 3 digit yang berbeda
- b) Rasakan larutan tersebut dengan cara menahan larutan didalam mulut selama 5 detik lalu dibuang ke tempat yang disediakan dan identifikasi rasa dari keempat larutan tersebut dan tulis dibagian atas, serta urutkan tingkat rasa dengan cara menuliskan kode larutan dari yang paling rendah hingga yang paling tinggi
- c) Panelis tidak diperkenankan untuk mencicipi ulang produk sebelum berpindah ke larutan berikutnya
- d) Sebelum menilai larutan berikutnya, cucilah mulut terlebih dahulu menggunakan air minum yang disediakan pada awal dan tiap berganti sampel

paling rendah

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 paling tinggi

Gambar 16. *Scoresheet Uji Threshold*

Uji Hedonik Susu Pasteurisasi

Nama Panelis :

Kode Panelis :

Tanggal uji :

Instruksi :

- a) Didepan anda disajikan 2 sampel produk susu pasteurisasi berlabel 3 kode random
- b) Rasakan sampel dan berilah nilai kesukaan sesuai dengan tabel keterangan nilai pada kotak disamping atribut
- c) Panelis diperkenankan untuk mencicipi ulang produk sebelum berpindah ke produk berikutnya
- d) Sebelum menilai 3 sampel berikutnya, cucilah mulut terlebih dahulu menggunakan air minum yang disediakan tiap berganti sampel

Kode sampel		Kode sampel	
Atribut :		Atribut :	
Rasa		Rasa	
Aroma		Aroma	
Warna		Warna	
Tekstur		Tekstur	
Kesegaran		Kesegaran	
Keseluruhan		Keseluruhan	

Keterangan Nilai :

1	2	3	4
Sangat tidak suka	Tidak suka	Suka	Sangat suka

Gambar 17. *Scoresheet* Uji Hedonik

Lampiran 8. Hasil Antiplagiasi

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Gambar 18. Pengecekan Antiplagiasi