

7. LAMPIRAN

Lampiran 1. Pengujian Normalitas

7.1.1. Melting Rate

Tests of Normality^{b,c,d,e}

	Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
min5	Kontrol Full Cream	.312	6	.068	.890	6	.316
	Kontrol Low Fat	.254	6	.200 [*]	.948	6	.726
min10	Kontrol Full Cream	.201	6	.200 [*]	.928	6	.563
	Kontrol Low Fat	.223	6	.200 [*]	.916	6	.477
	Cortina 5 gr	.245	6	.200 [*]	.882	6	.277
min15	Cortina 10 gr	.293	6	.117	.822	6	.091
	Kontrol Full Cream	.221	6	.200 [*]	.956	6	.786
	Kontrol Low Fat	.213	6	.200 [*]	.927	6	.559
	Cortina 5 gr	.187	6	.200 [*]	.978	6	.941
min20	Cortina 10 gr	.287	6	.133	.855	6	.174
	Cortina 15 gr	.297	6	.105	.810	6	.073
	Kontrol Full Cream	.233	6	.200 [*]	.917	6	.485
	Kontrol Low Fat	.246	6	.200 [*]	.916	6	.476
	Cortina 5 gr	.293	6	.117	.822	6	.091
min25	Cortina 10 gr	.272	6	.186	.793	6	.050
	Cortina 15 gr	.299	6	.100	.851	6	.161
	Kontrol Full Cream	.278	6	.164	.839	6	.128
	Kontrol Low Fat	.219	6	.200 [*]	.937	6	.639
	Cortina 5 gr	.214	6	.200 [*]	.958	6	.804
min30	Cortina 10 gr	.148	6	.200 [*]	.969	6	.886
	Cortina 15 gr	.202	6	.200 [*]	.941	6	.664
	Kontrol Full Cream	.278	6	.164	.839	6	.129
	Kontrol Low Fat	.239	6	.200 [*]	.930	6	.582
	Cortina 5 gr	.224	6	.200 [*]	.848	6	.153
	Cortina 10 gr	.206	6	.200 [*]	.895	6	.343
	Cortina 15 gr	.267	6	.200 [*]	.905	6	.405

a. Lilliefors Significance Correction

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

b. min5 is constant when Perlakuan = Cortina 5 gr. It has been omitted.

c. min5 is constant when Perlakuan = Cortina 10 gr. It has been omitted.

d. min5 is constant when Perlakuan = Cortina 15 gr. It has been omitted.

e. min10 is constant when Perlakuan = Cortina 15 gr. It has been omitted.

7.1.2. Viskositas

Tests of Normality

Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
Viskositas	Kontrol Full Cream	.293	6	.117	.800	6	.059
	Kontrol Low Fat	.280	6	.153	.872	6	.233
	Cortina 5 gram	.240	6	.200*	.885	6	.294
	Cortina 10 gram	.228	6	.200*	.892	6	.329
	Cortina 15 gram	.285	6	.140	.807	6	.068

a. Lilliefors Significance Correction

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

7.1.3. Time to Melt

Tests of Normality

Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
TimeToMelt	Kontrol Full Cream	.212	6	.200*	.940	6	.663
	Kontrol Low Fat	.175	6	.200*	.939	6	.652
	Cortina 5 gr	.290	6	.126	.840	6	.130
	Cortina 10 gr	.160	6	.200*	.922	6	.522
	Cortina 15 gr	.160	6	.200*	.951	6	.750

a. Lilliefors Significance Correction

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

7.1.4. Total Padatan

Tests of Normality

Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
TotalPadatan	Kontrol Full Cream	.235	6	.200*	.931	6	.591
	Kontrol Low Fat	.222	6	.200*	.954	6	.775
	Cortina 5 gr	.259	6	.200*	.873	6	.237
	Cortina 10 gr	.264	6	.200*	.912	6	.447
	Cortina 15 gr	.188	6	.200*	.949	6	.729

a. Lilliefors Significance Correction

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

7.1.5. Kadar Lemak

Tests of Normality

Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
KadarLemak Kontrol Full Cream	.178	6	.200 [*]	.952	6	.752
Kontrol Low Fat	.186	6	.200 [*]	.965	6	.855
Cortina 5 gr	.223	6	.200 [*]	.908	6	.421
Cortina 10 gr	.183	6	.200 [*]	.960	6	.820
Cortina 15 gr	.183	6	.200 [*]	.960	6	.820

a. Lilliefors Significance Correction

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

Lampiran 2. Pengujian *One Way Anova*

7.2.1. Melting Rate

7.2.1.1. Menit 5

min5

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
Cortina 5 gr	6	.000000	
Cortina 10 gr	6	.000000	
Cortina 15 gr	6	.000000	
Kontrol Full Cream	6		.725000
Kontrol Low Fat	6		.812500
Sig.		1.000	.446

Means for groups in homogeneous subsets are displayed.

7.2.1.2. Menit 10

min10

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
Cortina 15 gr	6	.000000	
Cortina 10 gr	6	.025000	
Cortina 5 gr	6	.047083	
Kontrol Full Cream	6		.875000
Kontrol Low Fat	6		.987500
Sig.		.718	.363

Means for groups in homogeneous subsets are displayed.

7.2.1.3. Menit 15

min15

Duncan

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
Cortina 15 gr	6	.065000		
Cortina 10 gr	6	.087500		
Cortina 5 gr	6	.146250		
Kontrol Full Cream	6		.900000	
Kontrol Low Fat	6			1.101250E 0
Sig.		.335	1.000	1.000

Means for groups in homogeneous subsets are displayed.

7.2.1.4. Menit 20

min20

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
Cortina 5 gr	6	.162500	
Cortina 10 gr	6	.170000	
Cortina 15 gr	6	.175000	
Kontrol Full Cream	6		1.050000
Kontrol Low Fat	6		1.171250
Sig.		.872	.106

Means for groups in homogeneous subsets are displayed.

7.2.1.5. Menit 25

min25

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
Cortina 15 gr	6	.230000	
Cortina 10 gr	6	.240000	
Cortina 5 gr	6	.275000	
Kontrol Full Cream	6		1.125000
Kontrol Low Fat	6		1.202500
Sig.		.572	.304

Means for groups in homogeneous subsets are displayed.

7.2.1.6. Menit 30

min30

Duncan

Perlakuan	N	Subset for alpha = 0.05	
		1	2
Cortina 15 gr	6	.290000	
Cortina 10 gr	6	.341250	
Cortina 5 gr	6	.393750	
Kontrol Full Cream	6		1.157500
Kontrol Low Fat	6		1.245000
Sig.		.156	.204

Means for groups in homogeneous subsets are displayed.

7.2.2. Viskositas

Viskositas

Duncan

Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	4
Cortina 5 gram	6	3.9859E2			
Cortina 10 gram	6		4.8857E2		
Kontrol Low Fat	6		5.0223E2		
Kontrol Full Cream	6			5.2590E2	
Cortina 15 gram	6				7.2219E2
Sig.		1.000	.122	1.000	1.000

Means for groups in homogeneous subsets are displayed.

7.2.3. Time to Melt

TimeToMelt

Duncan

Perlakuan	N	Subset for alpha = 0.05				
		1	2	3	4	5
Kontrol Low Fat	6	32.2267				
Kontrol Full Cream	6		35.3417			
Cortina 5 gr	6			45.5483		
Cortina 10 gr	6				47.6467	
Cortina 15 gr	6					50.4067
Sig.		1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

7.2.4. Total Padatan

TotalPadatan

Duncan

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
Cortina 5 gr	6	.193533		
Cortina 10 gr	6	.195167		
Cortina 15 gr	6	.196850		
Kontrol Low Fat	6		.245850	
Kontrol Full Cream	6			.256167
Sig.		.366	1.000	1.000

Means for groups in homogeneous subsets are displayed.

7.2.5. Kadar Lemak

KadarLemak

Duncan

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
Cortina 5 gr	6	.00383		
Cortina 10 gr	6	.00550		
Cortina 15 gr	6	.00650		
Kontrol Low Fat	6		.14667	
Kontrol Full Cream	6			.16767
Sig.		.802	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Lampiran 3. Perhitungan Protein Es krim

7.3.1. Kandungan Protein Es Krim Kontrol

Berat total adonan = 4600 gram

Kandungan protein susu = 70,04 gram / 2 liter

Kandungan protein kuning telur = 51,2 gram / 320 gram

Kandungan protein *whipped cream* = 12,6 gram / 400 gram

Kandungan protein jambu = 7,8 / 800 gram

Kandungan protein total per adonan = 141,64 gram

$$\begin{aligned} \% \text{ b/b protein} &= \frac{\text{Kandungan protein total (gr)}}{\text{Berat total (gr)}} \times 100\% \\ &= \frac{141,64}{4600} \times 100\% \\ &= 3,08\% \end{aligned}$$

7.3.2. Kandungan Protein *Soft Ice Cream* Jambu Biji Rendah Lemak

Berat total adonan = 3200 gram

Kandungan protein susu = 70,04 gram / 2 liter

Kandungan protein gelatin = 27.3 gram / 30 gram

Kandungan protein jambu = 7,8 / 800 gram

Kandungan protein total per adonan = 105,14 gram

$$\begin{aligned} \% \text{ b/b protein} &= \frac{\text{Kandungan protein total (gr)}}{\text{Berat total (gr)}} \times 100\% \\ &= \frac{105,14}{3200} \times 100\% \\ &= 3,28\% \end{aligned}$$