Lampiran 1. Kuesioner Uji Organoleptik

KUISIONER UJI ORGANOLEPTIK

Nama :

Umur :

Jenis kelamin :

Waktu Pelaksanaan :

Di hadapan Anda tersedia 9 buah sampel ice cream dengan formulasi yang berbeda. Anda diminta untuk memberikan penilaian terhadap warna, rasa, tekstur, dan kesukaan terhadap sampel-sampel tersebut. Penilaian diberikan dengan menuliskan angka pada kolom yang telah disediakan berdasarkan kriteria ranking penilaian.

Ranking	Rasa	Tekstur	Kesukaan
1	Tidak enak	Kasar	Tidak suka
2	Agak enak	Agak kasar	Agak suka
3	Enak	Agak halus	Suka
4	Sangat enak	Halus	Sangat suka
5	Sangat enak sekali	Sangat halus	Sangat suka sekali

Kode sampel	Rasa	Tekstur	Kesukaan
145			
150			
168			
246			
357			
468			
570			
789			
963			

Komentar :

Bagaimana penilaian Anda terhadap *overall* produk di atas ?

_____

_____

_____

_____

Terima kasih

Lampiran 2. Analisa Data Pengukuran Nilai *Overrun*

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	JENIS	Statistic	df	Sig.	Statistic	df	Sig.
OVERRUN	kontrol	.319	6	.056	.683	6	.004
	tepung 5 %	.254	6	.200*	.866	6	.212
	tepung 10 %	.293	6	.117	.822	6	.091
	tepung 15 %	.183	6	.200*	.960	6	.820
	tepung 20 %	.183	6	.200*	.960	6	.820
	pasta 60 %	.309	6	.077	.773	6	.033
	pasta 65 %	.276	6	.170	.801	6	.060
	pasta 70 %	.313	6	.068	.792	6	.050
	pasta 75 %	.254	6	.200*	.866	6	.212

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

a. Lilliefors Significance Correction

Oneway

Descriptives

ERRUN

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
trol	6	57.5000	2.73861	1.11803	54.6260	60.3740	55.00	60.00
ng 5 %	6	29.1667	3.76386	1.53659	25.2167	33.1166	25.00	35.00
ng 10 %	6	36.6667	4.08248	1.66667	32.3824	40.9510	30.00	40.00
ng 15 %	6	42.5000	5.24404	2.14087	36.9967	48.0033	35.00	50.00
ng 20 %	6	47.5000	5.24404	2.14087	41.9967	53.0033	40.00	55.00
a 60 %	6	17.1667	2.48328	1.01379	14.5606	19.7727	15.00	20.00
a 65 %	6	18.5000	1.97484	.80623	16.4275	20.5725	15.00	20.00
a 70 %	6	22.1667	3.18852	1.30171	18.8205	25.5128	18.00	25.00
a 75 %	6	24.1667	3.76386	1.53659	20.2167	28.1166	20.00	30.00
l	54	32.8148	13.83743	1.88304	29.0379	36.5917	15.00	60.00

ANOVA

OVERRUN

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9509.481	8	1188.685	83.754	.000
Within Groups	638.667	45	14.193		
Total	10148.148	53			

Post Hoc Tests

Homogeneous Subsets

OVERRUN

Duncan[a]

JENIS	N	Subset for alpha = .05							
		1	2	3	4	5	6	7	8
pasta 60 %	6	17.1667							
pasta 65 %	6	18.5000	18.5000						
pasta 70 %	6		22.1667	22.1667					
pasta 75 %	6			24.1667					
tepung 5 %	6				29.1667				
tepung 10 %	6					36.6667			
tepung 15 %	6						42.5000		
tepung 20 %	6							47.5000	
kontrol	6								57.5000
Sig.		.545	.099	.363	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

Lampiran 3. Analisa Data Pengukuran Nilai Viskositas *Before Freezing*

Tests of Normality

		Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	JENIS	Statistic	df	Sig.	Statistic	df	Sig.
VISK_BEF	kontrol	.241	6	.200(*)	.913	6	.456
	tepung 5 %	.226	6	.200(*)	.903	6	.392
	tepung 10 %	.147	6	.200(*)	.966	6	.866
	tepung 15 %	.209	6	.200(*)	.907	6	.415
	tepung 20 %	.195	6	.200(*)	.861	6	.191
	pasta 60 %	.267	6	.200(*)	.809	6	.070
	pasta 65 %	.162	6	.200(*)	.931	6	.588
	pasta 70 %	.200	6	.200(*)	.958	6	.801
	pasta 75 %	.255	6	.200(*)	.867	6	.215

* This is a lower bound of the true significance.
a Lilliefors Significance Correction

Oneway

Descriptives

K_BEF

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
rol	6	2.0000	.15492	.06325	1.8374	2.1626	1.80	2.20
ng 5 %	6	1.3017	.33078	.13504	.9545	1.6488	.91	1.70
ng 10 %	6	2.0083	.16558	.06760	1.8346	2.1821	1.75	2.20
ng 15 %	6	3.5333	.12111	.04944	3.4062	3.6604	3.40	3.70
ng 20 %	6	4.6500	.13784	.05627	4.5053	4.7947	4.50	4.80
a 60 %	6	1.7583	.08010	.03270	1.6743	1.8424	1.70	1.90
a 65 %	6	2.4917	.22004	.08983	2.2608	2.7226	2.25	2.80
a 70 %	6	2.7583	.11143	.04549	2.6414	2.8753	2.60	2.90
a 75 %	6	3.9750	.10840	.04425	3.8612	4.0888	3.85	4.10
l	54	2.7196	1.07480	.14626	2.4263	3.0130	.91	4.80

ANOVA

VISK_BEF

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	59.858	8	7.482	246.218	.000
Within Groups	1.368	45	.030		
Total	61.226	53			

Post Hoc Tests

Homogeneous Subsets

VISK_BEF

n[a]

	N	Subset for alpha = .05							
		1	2	3	4	5	6	7	8
g 5 %	6	1.3017							
60 %	6		1.7583						
l	6			2.0000					
g 10 %	6			2.0083					
65 %	6				2.4917				
70 %	6					2.7583			
g 15 %	6						3.5333		
75 %	6							3.9750	
g 20 %	6								4.6500
		1.000	1.000	.934	1.000	1.000	1.000	1.000	1.000

s for groups in homogeneous subsets are displayed.

Uses Harmonic Mean Sample Size = 6.000.

Lampiran 4. Analisa Data Pengukuran Nilai Viskositas *After Freezing*

Tests of Normality

	JENIS	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
VISK_AFT	kontrol	.251	6	.200(*)	.869	6	.223
	tepung 5 %	.188	6	.200(*)	.939	6	.649
	tepung 10 %	.283	6	.143	.921	6	.514
	tepung 15 %	.215	6	.200(*)	.850	6	.158
	tepung 20 %	.213	6	.200(*)	.948	6	.721
	pasta 60 %	.241	6	.200(*)	.913	6	.456
	pasta 65 %	.308	6	.077	.857	6	.178
	pasta 70 %	.265	6	.200(*)	.798	6	.056
	pasta 75 %	.254	6	.200(*)	.866	6	.212

* This is a lower bound of the true significance.
a Lilliefors Significance Correction

Oneway

Descriptives

K_AFT

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
rol	6	1.6833	.17224	.07032	1.5026	1.8641	1.50	1.90
ng 5 %	6	1.0833	.23805	.09718	.8335	1.3331	.80	1.40
ng 10 %	6	1.6083	.06646	.02713	1.5386	1.6781	1.50	1.70
ng 15 %	6	3.1917	.09174	.03745	3.0954	3.2879	3.10	3.30
ng 20 %	6	4.2250	.13323	.05439	4.0852	4.3648	4.05	4.40
a 60 %	6	1.5000	.15492	.06325	1.3374	1.6626	1.30	1.70
a 65 %	6	1.8250	.06892	.02814	1.7527	1.8973	1.75	1.95
a 70 %	6	2.5083	.19600	.08002	2.3026	2.7140	2.30	2.70
a 75 %	6	3.7167	.07528	.03073	3.6377	3.7957	3.60	3.80
l	54	2.3713	1.05694	.14383	2.0828	2.6598	.80	4.40

ANOVA

VISK_AFT

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	58.259	8	7.282	345.411	.000
Within Groups	.949	45	.021		
Total	59.208	53			

Post Hoc Tests

Homogeneous Subsets

VISK_AFT

n[a]

	N	Subset for alpha = .05							
		1	2	3	4	5	6	7	8
g 5 %	6	1.0833							
60 %	6		1.5000						
g 10 %	6		1.6083	1.6083					
l	6			1.6833	1.6833				
65 %	6				1.8250				
70 %	6					2.5083			
g 15 %	6						3.1917		
75 %	6							3.7167	
g 20 %	6								4.2250
		1.000	.203	.376	.098	1.000	1.000	1.000	1.000

s for groups in homogeneous subsets are displayed.

Uses Harmonic Mean Sample Size = 6.000.

Lampiran 5. Analisa Data Pengukuran Total Padatan Es Krim

Tests of Normality

	JENIS	Kolmogorov-Smirnov(a)			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
TOT_PDTN	kontrol	.322	6	.051	.803	6	.063
	tepung 5 %	.195	6	.200(*)	.896	6	.353
	tepung 10 %	.204	6	.200(*)	.972	6	.906
	tepung 15 %	.198	6	.200(*)	.961	6	.830
	tepung 20 %	.234	6	.200(*)	.900	6	.375
	pasta 60 %	.194	6	.200(*)	.935	6	.620
	pasta 65 %	.278	6	.161	.777	6	.036
	pasta 70 %	.241	6	.200(*)	.836	6	.120
	pasta 75 %	.172	6	.200(*)	.923	6	.528

* This is a lower bound of the true significance.
a Lilliefors Significance Correction

Oneway

Descriptives

T_PDTN

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
trol	6	33.653724	.3815050	.1557487	33.253359	34.054089	32.9244	33.9927
ung 5 %	6	27.536256	1.1495193	.4692893	26.329910	28.742603	26.1110	28.8136
ung 10 %	6	30.440574	.1346349	.0549645	30.299283	30.581865	30.2638	30.6363
ung 15 %	6	35.286849	.4653841	.1899923	34.798458	35.775239	34.5375	35.9420
ung 20 %	6	37.714153	.0283404	.0115699	37.684411	37.743894	37.6663	37.7424
sta 60 %	6	29.701514	.7460298	.3045654	28.918604	30.484424	28.6240	30.5377
sta 65 %	6	31.781706	.7129500	.2910606	31.033510	32.529901	31.0359	32.4901
sta 70 %	6	33.952997	.8016473	.3272711	33.111720	34.794274	32.5195	34.5829
sta 75 %	6	36.319797	.4186753	.1709235	35.880424	36.759170	35.9026	36.9550
al	54	32.931952	3.2188646	.4380320	32.053371	33.810533	26.1110	37.7424

ANOVA

TOT_PDTN

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	531.212	8	66.401	166.687	.000
Within Groups	17.926	45	.398		
Total	549.138	53			

Post Hoc Tests

Homogeneous Subsets

TOT_PDTN

an[a]

S	N	Subset for alpha = .05							
		1	2	3	4	5	6	7	8
g 5 %	6	27.536256							
60 %	6		29.701514						
g 10 %	6			30.440574					
65 %	6				31.781706				
ol	6					33.653724			
70 %	6					33.952997			
g 15 %	6						35.286849		
75 %	6							36.319797	
g 20 %	6								37.714153
		1.000	1.000	1.000	1.000	.416	1.000	1.000	1.000

s for groups in homogeneous subsets are displayed.

Uses Harmonic Mean Sample Size = 6.000.

Lampiran 6. Analisa Data Pengukuran *Time to Melt*

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	JENIS	Statistic	df	Sig.	Statistic	df	Sig.
TIME_MEL	kontrol	.308	6	.077	.780	6	.039
	tepung 5 %	.298	6	.104	.824	6	.095
	tepung 10 %	.312	6	.069	.767	6	.029
	tepung 15 %	.174	6	.200*	.934	6	.608
	tepung 20 %	.235	6	.200*	.883	6	.283
	pasta 60 %	.219	6	.200*	.922	6	.520
	pasta 65 %	.144	6	.200*	.975	6	.923
	pasta 70 %	.167	6	.200*	.954	6	.773
	pasta 75 %	.276	6	.170	.734	6	.014

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

a. Lilliefors Significance Correction.

Oneway

Descriptives

E_MEL

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
trol	6	72.8333	2.31661	.94575	70.4022	75.2645	70.00	76.00
ung 5 %	6	61.6667	1.50555	.61464	60.0867	63.2466	60.00	63.00
ung 10 %	6	62.5000	1.97484	.80623	60.4275	64.5725	60.00	64.00
ung 15 %	6	66.6667	3.66970	1.49815	62.8156	70.5178	62.00	71.00
ung 20 %	6	67.5000	3.98748	1.62788	63.3154	71.6846	61.00	71.00
sta 60 %	6	54.6667	4.03320	1.64655	50.4341	58.8992	49.00	59.00
sta 65 %	6	56.6667	4.50185	1.83787	51.9423	61.3911	51.00	64.00
sta 70 %	6	60.0000	2.28035	.93095	57.6069	62.3931	57.00	63.00
sta 75 %	6	61.0000	10.78888	4.40454	49.6778	72.3222	50.00	74.00
al	54	62.6111	6.89111	.93776	60.7302	64.4920	49.00	76.00

ANOVA

TIME_MEL

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1812.481	8	226.560	9.100	.000
Within Groups	1120.333	45	24.896		
Total	2932.815	53			

Post Hoc Tests

Homogeneous Subsets

TIME_MEL

Duncan[a]

JENIS	N	Subset for alpha = .05				
		1	2	3	4	5
pasta 60 %	6	54.6667				
pasta 65 %	6	56.6667	56.6667			
pasta 70 %	6	60.0000	60.0000			
tepung 5 %	6		61.0000	61.0000		
tepung 10 %	6		61.6667	61.6667	61.6667	
pasta 75 %	6		62.5000	62.5000	62.5000	
tepung 15 %	6			66.6667	66.6667	
tepung 20 %	6				67.5000	
kontrol	6					75.0000
Sig.		.086	.076	.078	.039	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

Lampiran 7. Analisa Data Pengukuran *Melting Rate*

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	JENIS	Statistic	df	Sig.	Statistic	df	Sig.
MEL_5	kontrol	.202	6	.200*	.853	6	.167
	tepung 5 %	.221	6	.200*	.971	6	.896
	tepung 10 %	.207	6	.200*	.890	6	317
	tepung 15 %	.299	6	.102	.828	6	.103
	tepung 20 %	.285	6	.138	.831	6	.110
	pasta 60 %	.228	6	.200*	.871	6	.231
	pasta 65 %	.174	6	.200*	.935	6	.619
	pasta 70 %	.216	6	.200*	.891	6	.326
	pasta 75 %	.295	6	.113	.836	6	.122
MEL_10	kontrol	.266	6	.200*	.810	6	.072
	tepung 5 %	.175	6	.200*	.974	6	.918
	tepung 10 %	.198	6	.200*	.905	6	.404
	tepung 15 %	.227	6	.200*	.862	6	.196
	tepung 20 %	.171	6	.200*	.966	6	.863
	pasta 60 %	.187	6	.200*	.941	6	.671
	pasta 65 %	.181	6	.200*	.945	6	.701
	pasta 70 %	.210	6	.200*	.961	6	326
	pasta 75 %	.195	6	.200*	.952	6	760
MEL_15	kontrol	.257	6	.200*	.816	6	.082
	tepung 5 %	.239	6	.200*	.826	6	.099
	tepung 10 %	.167	6	.200*	.931	6	.590
	tepung 15 %	.207	6	.200*	.891	6	.325
	tepung 20 %	.271	6	.191	.897	6	.355
	pasta 60 %	.183	6	.200*	.917	6	.483
	pasta 65 %	.199	6	.200*	.927	6	.560
	pasta 70 %	.231	6	.200*	.928	6	.562
	pasta 75 %	.177	6	.200*	.955	6	.783
MEL_20	kontrol	.231	6	.200*	.840	6	.129
	tepung 5 %	.243	6	.200*	.881	6	.272
	tepung 10 %	.212	6	.200*	.921	6	.516
	tepung 15 %	.181	6	.200*	.910	6	.439
	tepung 20 %	.272	6	.186	.878	6	.261
	pasta 60 %	.250	6	.200*	.917	6	.482
	pasta 65 %	.176	6	.200*	.946	6	.707
	pasta 70 %	.206	6	.200*	.947	6	.720
	pasta 75 %	.247	6	.200*	.928	6	.561
MEL_25	kontrol	.204	6	.200*	.967	6	.872
	tepung 5 %	.253	6	.200*	.886	6	.298
	tepung 10 %	.185	6	.200*	.976	6	.926
	tepung 15 %	.160	6	.200*	.945	6	.701
	tepung 20 %	.153	6	.200*	.957	6	.794
	pasta 60 %	.191	6	.200*	.886	6	.295
	pasta 65 %	.171	6	.200*	.923	6	.528
	pasta 70 %	.260	6	.200*	.892	6	.331
	pasta 75 %	.253	6	.200*	.823	6	.094
MEL_30	kontrol	.167	6	.200*	.970	6	.892
	tepung 5 %	.285	6	.138	.831	6	.110
	tepung 10 %	.215	6	.200*	.894	6	.342
	tepung 15 %	.223	6	.200*	.908	6	421
	tepung 20 %	.254	6	.200*	.866	6	.212
	pasta 60 %	.190	6	.200*	.962	6	.838
	pasta 65 %	.197	6	.200*	.901	6	.378
	pasta 70 %	.254	6	.200*	.866	6	.212
	pasta 75 %	.228	6	.200*	.847	6	.148

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

a. Lilliefors Significance Correction

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
MEL_5	kontrol	6	.0100	.00894	.00365	.0006	.0194	.00	.02
	tepung 5 %	6	.0667	.02338	.00955	.0421	.0912	.03	.10
	tepung 10 %	6	.0383	.02137	.00872	.0159	.0608	.00	.06
	tepung 15 %	6	.0333	.03983	.01626	-.0085	.0751	.00	.09
	tepung 20 %	6	.0100	.01265	.00516	-.0033	.0233	.00	.03
	pasta 60 %	6	.4700	.12915	.05273	.3345	.6055	.33	.63
	pasta 65 %	6	.2200	.17029	.06952	.0413	.3987	.04	.51
	pasta 70 %	6	.1700	.14043	.05733	.0226	.3174	.00	.33
	pasta 75 %	6	.0700	.06132	.02503	.0056	.1344	.02	.17
	Total	54	.1209	.16439	.02237	.0761	.1658	.00	.63
MEL_10	kontrol	6	.0333	.02658	.01085	.0054	.0612	.00	.06
	tepung 5 %	6	.1133	.03670	.01498	.0748	.1518	.06	.16
	tepung 10 %	6	.0967	.04502	.01838	.0494	.1439	.02	.14
	tepung 15 %	6	.0917	.08565	.03497	.0018	.1816	.00	.19
	tepung 20 %	6	.0317	.02639	.01078	.0040	.0594	.00	.07
	pasta 60 %	6	.5617	.12189	.04976	.4338	.6896	.40	.71
	pasta 65 %	6	.3133	.18737	.07649	.1167	.5100	.09	.61
	pasta 70 %	6	.2100	.14436	.05893	.0585	.3615	.01	.40
	pasta 75 %	6	.1367	.09288	.03792	.0392	.2341	.00	.28
	Total	54	.1765	.18585	.02529	.1258	.2272	.00	.71
MEL_15	kontrol	6	.0700	.04382	.01789	.0240	.1160	.03	.13
	tepung 5 %	6	.1883	.02858	.01167	.1583	.2183	.16	.22
	tepung 10 %	6	.1600	.05215	.02129	.1053	.2147	.09	.22
	tepung 15 %	6	.1800	.12837	.05241	.0453	.3147	.05	.35
	tepung 20 %	6	.0783	.04401	.01797	.0322	.1245	.02	.13
	pasta 60 %	6	.6933	.08359	.03412	.6056	.7811	.59	.79
	pasta 65 %	6	.4300	.16273	.06643	.2592	.6008	.24	.66
	pasta 70 %	6	.2883	.17406	.07106	.1057	.4710	.09	.56
	pasta 75 %	6	.2367	.12226	.04991	.1084	.3650	.07	.39
	Total	54	.2583	.21123	.02874	.2007	.3160	.02	.79
MEL_20	kontrol	6	.1167	.04320	.01764	.0713	.1620	.08	.18
	tepung 5 %	6	.2350	.02588	.01057	.2078	.2622	.19	.26
	tepung 10 %	6	.2550	.04848	.01979	.2041	.3059	.20	.34
	tepung 15 %	6	.2283	.08256	.03371	.1417	.3150	.12	.32
	tepung 20 %	6	.1383	.04355	.01778	.0926	.1840	.07	.18
	pasta 60 %	6	.8467	.11094	.04529	.7302	.9631	.72	1.04
	pasta 65 %	6	.5533	.14236	.05812	.4039	.7027	.39	.75
	pasta 70 %	6	.4083	.15930	.06503	.2412	.5755	.20	.68
	pasta 75 %	6	.3583	.14470	.05907	.2065	.5102	.18	.61
	Total	54	.3489	.23907	.03253	.2836	.4141	.07	1.04
MEL_25	kontrol	6	.1650	.05320	.02172	.1092	.2208	.10	.25
	tepung 5 %	6	.3200	.04561	.01862	.2721	.3679	.26	.37
	tepung 10 %	6	.3583	.03710	.01515	.3194	.3973	.30	.41
	tepung 15 %	6	.3183	.07250	.02960	.2422	.3944	.24	.43
	tepung 20 %	6	.2117	.02483	.01014	.1856	.2377	.17	.24
	pasta 60 %	6	.9217	.11356	.04636	.8025	1.0408	.78	1.04
	pasta 65 %	6	.6733	.11501	.04695	.5526	.7940	.55	.83
	pasta 70 %	6	.5867	.13231	.05402	.4478	.7255	.37	.72
	pasta 75 %	6	.4500	.10257	.04187	.3424	.5576	.37	.63
	Total	54	.4450	.24419	.03323	.3783	.5117	.10	1.04
MEL_30	kontrol	6	.2200	.05020	.02049	.1673	.2727	.14	.28
	tepung 5 %	6	.4100	.01265	.00516	.3967	.4233	.40	.43
	tepung 10 %	6	.4900	.02530	.01033	.4635	.5165	.46	.52
	tepung 15 %	6	.3717	.01169	.00477	.3594	.3839	.36	.39
	tepung 20 %	6	.3033	.01506	.00615	.2875	.3191	.29	.33
	pasta 60 %	6	1.0367	.11255	.04595	.9186	1.1548	.88	1.19
	pasta 65 %	6	.7600	.05477	.02236	.7025	.8175	.70	.83
	pasta 70 %	6	.6633	.01506	.00615	.6475	.6791	.65	.69
	pasta 75 %	6	.5633	.02503	.01022	.5371	.5896	.54	.61
	Total	54	.5354	.24578	.03345	.4683	.6025	.14	1.19

Oneway

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
MEL_5	Between Groups	1.081	8	.135	13.668	.000
	Within Groups	.445	45	.010		
	Total	1.526	53			
MEL_10	Between Groups	1.373	8	.172	16.872	.000
	Within Groups	.458	45	.010		
	Total	1.831	53			
MEL_15	Between Groups	1.852	8	.231	20.308	.000
	Within Groups	.513	45	.011		
	Total	2.365	53			
MEL_20	Between Groups	2.567	8	.321	31.221	.000
	Within Groups	.462	45	.010		
	Total	3.029	53			
MEL_25	Between Groups	2.829	8	.354	47.993	.000
	Within Groups	.332	45	.007		
	Total	3.160	53			
MEL_30	Between Groups	3.101	8	.388	172.660	.000
	Within Groups	.101	45	.002		
	Total	3.202	53			

Post Hoc Tests

Homogeneous Subsets

MEL_5

Duncan[a]

		Subset for alpha = .05			
JENIS	N	1	2	3	4
kontrol	6	.0100			
tepung 20 %	6	.0100			
tepung 15 %	6	.0333			
pasta 75 %	6	.0383			
tepung 10 %	6	.0667	.0667		
tepung 5 %	6	.1017	.1017		
pasta 70 %	6		.1700	.1700	
pasta 65 %	6			.2383	
pasta 60 %	6				.4700
Sig.		.169	.095	.240	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

MEL_10

Duncan[a]

JENIS	N	Subset for alpha = .05			
		1	2	3	4
tepung 20 %	6	.0317			
kontrol	6	.0333			
tepung 15 %	6	.0917	.0917		
pasta 75 %	6	.0967	.0967		
tepung 10 %	6	.1133	.1133		
tepung 5 %	6	.1367	.1367		
pasta 70 %	6		.2100	.2100	
pasta 65 %	6			.3133	
pasta 60 %	6				.5617
Sig.		.121	.075	.083	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

MEL_15

Duncan[a]

JENIS	N	Subset for alpha = .05			
		1	2	3	4
kontrol	6	.0700			
tepung 20 %	6	.0783			
pasta 75 %	6	.1600	.1600		
tepung 15 %	6	.1800	.1800		
tepung 10 %	6	.1883	.1883		
tepung 5 %	6		.2367		
pasta 70 %	6		.2883		
pasta 65 %	6			.4300	
pasta 60 %	6				.6933
Sig.		.093	.068	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

MEL_20

Duncan[a]

JENIS	N	Subset for alpha = .05					
		1	2	3	4	5	6
kontrol	6	.1167					
tepung 20 %	6	.1383	.1383				
tepung 15 %	6	.2283	.2283				
tepung 10 %	6	.2350	.2350	.2350			
pasta 75 %	6		.2550	.2550			
tepung 5 %	6			.3583	.3583		
pasta 70 %	6				.4083		
pasta 65 %	6					.5533	
pasta 60 %	6						.8467
Sig.		.070	.074	.051	.397	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

MEL_25

Duncan[a]

JENIS	N	Subset for alpha = .05				
		1	2	3	4	5
kontrol	6	.1650				
tepung 20 %	6	2117				
tepung 15 %	6		.3183			
tepung 10 %	6		.3200			
pasta 75 %	6		.3583	.3583		
tepung 5 %	6			.4500		
pasta 70 %	6				.5867	
pasta 65 %	6				.6733	
pasta 60 %	6					.9217
Sig.		.351	.453	.071	.087	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

MEL_30

n[a]

	N	Subset for alpha = .05							
		1	2	3	4	5	6	7	8
	6	.2200							
20 %	6		.3033						
15 %	6			.3717					
10 %	6			.4100					
75 %	6				.4900				
5 %	6					.5633			
70 %	6						.6633		
65 %	6							.7300	
60 %	6								1.0367
		1.000	1.000	.168	1.000	1.000	1.000	1.000	1.000

for groups in homogeneous subsets are displayed.

Uses Harmonic Mean Sample Size = 6.000.

Lampiran 8. Analisa Korelasi Parameter Penentu Kualitas Es Krim

Correlations

Correlations

		VISK_BEF	TOT_PDTN
VISK_BEF	Pearson Correlation	1	.903**
	Sig. (2-tailed)	.	.000
	N	54	54
TOT_PDTN	Pearson Correlation	.903**	1
	Sig. (2-tailed)	.000	.
	N	54	54

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

Correlations

		VISK_AFT	TOT_PDTN
VISK_AFT	Pearson Correlation	1	.904**
	Sig. (2-tailed)	.	.000
	N	54	54
TOT_PDTN	Pearson Correlation	.904**	1
	Sig. (2-tailed)	.000	.
	N	54	54

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

Correlations

		TOT_PDTN	TIME_MEL
TOT_PDTN	Pearson Correlation	1	.338*
	Sig. (2-tailed)	.	.012
	N	54	54
TIME_MEL	Pearson Correlation	.338*	1
	Sig. (2-tailed)	.012	.
	N	54	54

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

Correlations

		TIME_MEL	MEL_30
TIME_MEL	Pearson Correlation	1	-.719**
	Sig. (2-tailed)	.	.000
	N	54	54
MEL_30	Pearson Correlation	-.719**	1
	Sig. (2-tailed)	.000	.
	N	54	54

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

Lampiran 9. Nilai *Melting Rate* Es Krim

	5 menit ke-1	5 menit ke-2	5 menit ke-3	5 menit ke-4	5 menit ke-5	5 menit ke-6
kontrol	0.01±0.01^{a}	0.03±0.03^{a}	0.07±0.04^{a}	0.12±0.04^{a}	0.17±0.05^{a}	0.22±0.05^{a}
tepung 5 %	0.07±0.02^{ab}	0.11±0.04^{ab}	0.19±0.03^{ab}	0.24±0.03^{abc}	0.32±0.05^{b}	0.41±0.01^{c}
tepung 10 %	0.04±0.02^{a}	0.10±0.05^{ab}	0.16±0.05^{ab}	0.26±0.05^{bc}	0.36±0.04^{bc}	0.49±0.03^{d}
tepung 15 %	0.03±0.04^{a}	0.09±0.09^{ab}	0.18±0.13^{ab}	0.23±0.08^{ab}	0.32±0.07^{b}	0.37±0.01^{c}
tepung 20 %	0.01±0.01^{a}	0.03±0.03^{a}	0.08±0.04^{a}	0.14±0.04^{ab}	0.21±0.02^{a}	0.30±0.02^{b}
pasta 60 %	0.47±0.13^{d}	0.56±0.12^{d}	0.69±0.08^{d}	0.85±0.11^{f}	0.92±0.11^{e}	1.04±0.11^{h}
pasta 65 %	0.22±0.17^{c}	0.31±0.19^{c}	0.43±0.16^{c}	0.55±0.14^{e}	0.67±0.12^{d}	0.76±0.05^{g}
pasta 70 %	0.17±0.14^{bc}	0.21±0.14^{bc}	0.29±0.17^{b}	0.41±0.16^{d}	0.59±0.13^{d}	0.66±0.02^{f}
pasta 75 %	0.07±0.06^{ab}	0.14±0.09^{ab}	0.24±0.12^{b}	0.36±0.14^{cd}	0.45±0.10^{c}	0.56±0.03^{e}

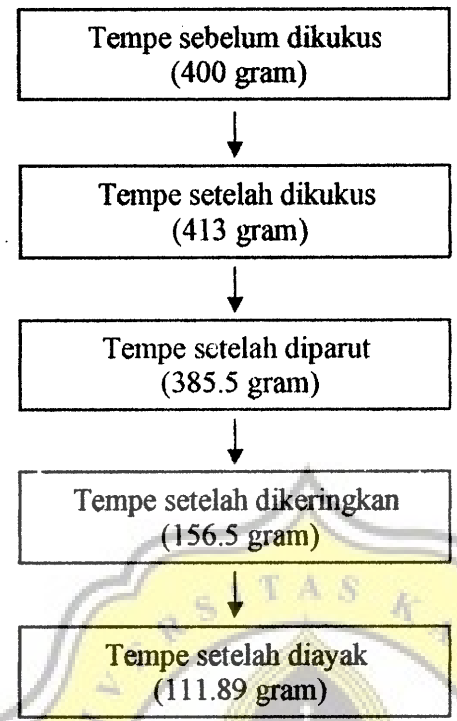
- Semua nilai *melting rate* merupakan nilai mean ± standart deviasi
- Nilai dengan superscript yang berbeda menunjukkan perbedaan nyata antar perlakuan ($p<0,05$) berdasarkan uji Post Hoc ANOVA satu arah.

Lampiran 10. Kandungan Lemak pada Es Krim

Jenis Es Krim	Kandungan Lemak (%)
T5	6.8879
T10	7.3124
T15	8.3279
T20	8.9882
P60	5.5676
P65	6.3284
P70	6.6893
P75	6.8278

Keterangan :
T5 = Es krim dengan tepung tempe 5%
T10 = Es krim dengan tepung tempe 10%
T15 = Es krim dengan tepung tempe 15%
T20 = Es krim dengan tepung tempe 20%
P60 = Es krim dengan pasta tempe 60%
P65 = Es krim dengan pasta tempe 65%
P70 = Es krim dengan pasta tempe 70%
P75 = Es krim dengan pasta tempe 75%

Lampiran 11. Rendemen Tepung Tempe



$$\text{Rendemen Tepung Tempe} = \frac{\textit{Berat tepung tempe}}{\textit{Berat tempe}} \times 100\% = \frac{111.89}{400} \times 100\% = 27.9725\%$$

Lampiran 12. Perhitungan Skor Analisa Sensoris

Skor yang tersedia:

1 = Sangat suka sekali

2 = Sangat suka

3 = Suka

4 = Agak suka

5 = Tidak suka

Misalnya ada 8 orang yang memberi skor 4 pada sampel es krim dengan penggunaan larutan tepung tempe 5%, maka perhitungan = 8 x 4 = 32.

Panelis yang digunakan adalah sebanyak 30 orang, sehingga untuk mengetahui banyaknya skor pada suatu sampel dalam $100\% = \frac{100}{30} \times 32 = 106{,}67$.