

LAMPIRAN-LAMPIRAN

Lampiran 1. Lembar Persetujuan Panelis



Universitas
Esa Unggul

LEMBAR PERSETUJUAN SEBAGAI PANELIS

Saya Wulan Prasetyani adalah mahasiswa Program Studi Gizi Fakultas Ilmu – Ilmu Kesehatan Universitas Esa Unggul yang saat ini sedang melakukan pengambilan data untuk uji hedonik/kesukaan pada produk es krim. Kegiatan ini dilakukan untuk melengkapi data skripsi yang mana menjadi salah satu syarat dalam memperoleh gelar sarjana gizi. Oleh karena itu, saya memohon kesediaan waktu saudara/i untuk menjadi panelis konsumen. Perlu saya informasikan bahwa keikutsertaan saudara/i sebagai panelis konsumen bersifat sukarela dan diakhir pelaksanaan pengujian akan diberikan cinderamata sebagai tanda terima kasih.

Informed Consent :

Setelah saya mendapat penjelasan mengenai tujuan dan manfaat pengambilan data tersebut, dengan ini saya :

Nama :
Alamat Lengkap :
No. Hp :

Secara Sukarela dan tanpa ada paksaan setuju untuk menjadi panelis semi terlatih dalam penelitian ini.

Jakarta, _____ 2020

Panelis,

Peneliti,

()

(Wulan Prasetyani)

Lampiran 2. Kuisisioner Uji Organoleptik

FORMULIR UJI ORGANOLEPTIK

UJI HEDONIK/KESUKAAN

Nama :
 Tanggal Pengujian : / /2020
 Umur :
 Produk : Es Krim
 Kode Sampel :

Dihadapan adik telah disajikan produk es krim. Silahkan adik berikan penilaian organoleptik terhadap sifat produk dengan memberikan tanda centang (✓) pada kolom yang sesuai dengan kode sampel.

Rasa				
	Tidak Suka	Kurang Suka	Suka	Sangat Suka

Aroma				
	Tidak Suka	Kurang Suka	Suka	Sangat Suka

Warna				
	Tidak Suka	Kurang Suka	Suka	Sangat Suka

Tekstur				
	Tidak Suka	Kurang Suka	Suka	Sangat Suka

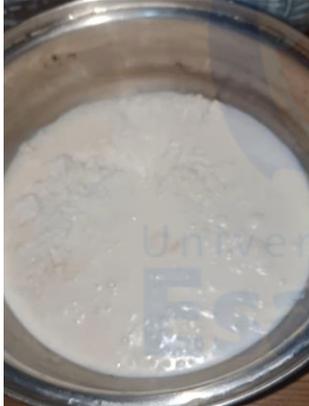
Keseluruhan				
	Tidak Suka	Kurang Suka	Suka	Sangat Suka

Lampiran 3. Alat dan Bahan Pembuatan Es Krim

Alat		
		
Timbangan	Mangkok, Sendok, Sodet Sambal	Blender
		
Saringan Mesh 80	Saringan Mesh 150	Saringan Nylon Polyester Mesh 100
		
Oven	Panci	Mixer
		
Baskom	Gelas ukur	Saringan

Bahan		
		
Tepung ampas kelapa	Susu kedelai	Extrak bunga telang
		
gula pasir	garam	Kargenan
		
Vanili Cair	Essence Kelapa	Stroberi
		
Emulsifier (TBM)	Tepung Maizena	Susu Full Cream

Lampiran 4. Proses Pembuatan Es Krim

		
<p>masukan kedalam wadah gula, tepung ampas kelapa, karagena, susu full krim, dan susu kedelai</p>	<p>aduk hingga rata</p>	<p>nyalakan kompor dan rebus hingga mendidih</p>
		
<p>matikan kompor dan tuangkan larutan tepung maizena kedalam adonan es krim</p>	<p>aduk hingga mengental dan bekukan di lemari es selama 4 jam</p>	<p>setelah beku, mixer adonan dengan emulsifier hingga mengental dan mengembang</p>
		
<p>tambahkan ekstrak bunga telang sebagai pewarna</p>	<p>tuang dalam cup dan tambahkan potongan strawberi di atasnya</p>	<p>es krim tepung ampas kelapa setelah dikemas</p>

Lampiran 5. Pengujian Uji Hedonik Panelis Konsumen



Lampiran 6. Hasil Output Uji Hedonik Panelis Konsumen

Descriptives									
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum	
					Lower Bound	Upper Bound			
RASA	0	30	3,53	,629	,115	3,30	3,77	2	4
	1	30	3,23	,430	,079	3,07	3,39	3	4
	2	30	3,63	,490	,089	3,45	3,82	3	4
	3	30	3,63	,490	,089	3,45	3,82	3	4
	Total	120	3,51	,534	,049	3,41	3,60	2	4
AROMA	0	30	3,50	,509	,093	3,31	3,69	3	4
	1	30	3,57	,504	,092	3,38	3,75	3	4
	2	30	3,43	,679	,124	3,18	3,69	2	4
	3	30	3,47	,571	,104	3,25	3,68	2	4
	Total	120	3,49	,565	,052	3,39	3,59	2	4
WARNA	0	30	3,40	,498	,091	3,21	3,59	3	4
	1	30	3,07	,740	,135	2,79	3,34	1	4
	2	30	3,40	,621	,113	3,17	3,63	2	4
	3	30	3,53	,571	,104	3,32	3,75	2	4
	Total	120	3,35	,630	,058	3,24	3,46	1	4
TEKSTUR	0	30	3,47	,507	,093	3,28	3,66	3	4
	1	30	3,50	,572	,104	3,29	3,71	2	4
	2	30	3,60	,498	,091	3,41	3,79	3	4
	3	30	3,53	,507	,093	3,34	3,72	3	4
	Total	120	3,53	,518	,047	3,43	3,62	2	4
KESELURUHAN	0	30	3,53	,507	,093	3,34	3,72	3	4
	1	30	3,70	,466	,085	3,53	3,87	3	4
	2	30	3,60	,498	,091	3,41	3,79	3	4
	3	30	3,50	,509	,093	3,31	3,69	3	4
	Total	120	3,58	,495	,045	3,49	3,67	3	4

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
RASA	Between Groups	3,225	3	1,075	4,053	,009
	Within Groups	30,767	116	,265		
	Total	33,992	119			
	Total					
AROMA	Between Groups	,292	3	,097	,299	,826
	Within Groups	37,700	116	,325		
	Total	37,992	119			
	Total					
WARNA	Between Groups	3,567	3	1,189	3,153	,028
	Within Groups	43,733	116	,377		
	Total	47,300	119			
	Total					
TEKSTUR	Between Groups	,292	3	,097	,357	,785
	Within Groups	31,633	116	,273		
	Total	31,925	119			
	Total					
KESELURUHAN	Between Groups	,700	3	,233	,951	,419
	Within Groups	28,467	116	,245		
	Total	29,167	119			
	Total					

RASA

Duncan

FORMULASI	N	Subset for alpha = 0.05	
		1	2
1	30	3,23	
0	30		3,53
2	30		3,63
3	30		3,63
Sig.		1,000	,483

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 30,000.

AROMA

Duncan

FORMULASI	N	Subset for alpha = 0.05	
		1	2
2	30	3,43	
3	30	3,47	
0	30	3,50	
1	30	3,57	
Sig.		,417	

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 30,000.

WARNA

Duncan

FORMULASI	N	Subset for alpha = 0.05	
		1	2
1	30	3,07	
0	30		3,40
2	30		3,40
3	30		3,53
Sig.		1,000	,433

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 30,000.

TEKSTUR

Duncan

FORMULASI	N	Subset for alpha = 0.05	
		1	2
0	30	3,47	
1	30	3,50	
3	30	3,53	
2	30	3,60	
Sig.		,375	

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 30,000.

KESELURUHAN

Duncan

FORMULASI	N	Subset for alpha = 0.05	
		1	2
3	30	3,50	
0	30	3,53	
2	30	3,60	
1	30	3,70	
Sig.		,158	

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 30,000.

Lampiran 7. Hasil Output Analisis Kandungan Gizi

Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum	
					Lower Bound	Upper Bound			
karbohidrat (g/100g)	F0	2	18,0350	,02121	,01500	17,8444	18,2256	18,02	18,05
	F1	2	16,0800	,32527	,23000	13,1576	19,0024	15,85	16,31
	F2	2	12,6400	,11314	,08000	11,6235	13,6565	12,56	12,72
	F3	2	15,4300	,08485	,06000	14,6676	16,1924	15,37	15,49
	Total	8	15,5463	2,07031	,73197	13,8154	17,2771	12,56	18,05
protein (g/100g)	F0	2	1,7800	,00000	,00000	1,7800	1,7800	1,78	1,78
	F1	2	2,0600	,00000	,00000	2,0600	2,0600	2,06	2,06
	F2	2	4,7300	,00000	,00000	4,7300	4,7300	4,73	4,73
	F3	2	2,3000	,00000	,00000	2,3000	2,3000	2,30	2,30
	Total	8	2,7175	1,25763	,44464	1,6661	3,7689	1,78	4,73
lemak (g/100g)	F0	2	3,2350	,00707	,00500	3,1715	3,2985	3,23	3,24
	F1	2	3,7400	,00000	,00000	3,7400	3,7400	3,74	3,74
	F2	2	3,7800	,00000	,00000	3,7800	3,7800	3,78	3,78
	F3	2	4,1250	,00707	,00500	4,0615	4,1885	4,12	4,13
	Total	8	3,7200	,33945	,12001	3,4362	4,0038	3,23	4,13
kadar air (g/100g)	F0	2	76,2400	,00000	,00000	76,2400	76,2400	76,24	76,24
	F1	2	77,3650	,30406	,21500	74,6332	80,0968	77,15	77,58
	F2	2	78,1700	,11314	,08000	77,1535	79,1865	78,09	78,25
	F3	2	77,3800	,07071	,05000	76,7447	78,0153	77,33	77,43
	Total	8	77,2888	,74560	,26361	76,6654	77,9121	76,24	78,25
kadar abu (g/100g)	F0	2	,7100	,01414	,01000	,5829	,8371	,70	,72
	F1	2	,7550	,02121	,01500	,5644	,9456	,74	,77
	F2	2	,6800	,00000	,00000	,6800	,6800	,68	,68
	F3	2	,7650	,00707	,00500	,7015	,8285	,76	,77
	Total	8	,7275	,03808	,01346	,6957	,7593	,68	,77
serat (g/100g)	F0	2	,1800	,00000	,00000	,1800	,1800	,18	,18
	F1	2	,1250	,00707	,00500	,0615	,1885	,12	,13
	F2	2	,1550	,00707	,00500	,0915	,2185	,15	,16
	F3	2	,0800	,00000	,00000	,0800	,0800	,08	,08
	Total	8	,1350	,04000	,01414	,1016	,1684	,08	,18
aktivitas antioksidan (mg/L)	F0	2	780058,5450	243,15281	171,93500	777873,9037	782243,1863	779886,61	780230,48
	F1	2	290582,7200	88,81261	62,80000	289784,7703	291380,6697	290519,92	290645,52
	F2	2	282108,3350	1737,02902	1228,26500	266501,7484	297714,9216	280880,07	283336,60
	F3	2	351383,2450	1446,22429	1022,63500	338389,4353	364377,0547	350360,61	352405,88
	Total	8	426033,2112	220370,04457	77912,57644	241799,2435	610267,1790	280880,07	780230,48
Total Plate Count (cfu/g)	F0	2	110000,00	,000	,000	110000,00	110000,00	110000	110000
	F1	2	22500,00	707,107	500,000	16146,90	28853,10	22000	23000
	F2	2	58000,00	2828,427	2000,000	32587,59	83412,41	56000	60000
	F3	2	21000,00	,000	,000	21000,00	21000,00	21000	21000
	Total	8	52875,00	38664,999	13670,141	20550,25	85199,75	21000	110000

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
karbohidrat (g/100g)	Between Groups	29,877	3	9,959	315,534	,000
	Within Groups	,126	4	,032		
	Total	30,003	7			
protein (g/100g)	Between Groups	11,071	3	3,690		
	Within Groups	,000	4	,000		
	Total	11,071	7			
lemak (g/100g)	Between Groups	,806	3	,269	10753,333	,000
	Within Groups	,000	4	,000		
	Total	,807	7			
kadar air (g/100g)	Between Groups	3,781	3	1,260	45,729	,001
	Within Groups	,110	4	,028		
	Total	3,891	7			
kadar abu (g/100g)	Between Groups	,009	3	,003	18,000	,009
	Within Groups	,001	4	,000		
	Total	,010	7			
serat (g/100g)	Between Groups	,011	3	,004	148,000	,000
	Within Groups	,000	4	,000		
	Total	,011	7			
aktivitas antioksidan (mg/L)	Between Groups	339935519962,738	3	113311839987,579	87569,724	,000
	Within Groups	5175845,475	4	1293961,369		
	Total	339940695808,214	7			
Total Plate Count (cfu/g)	Between Groups	10456375000,000	3	3485458333,333	1640,216	,000
	Within Groups	8500000,000	4	2125000,000		
	Total	10464875000,000	7			

karbohidrat (g/100g)

Duncan

Kode Sampel	N	Subset for alpha = 0.05			
		1	2	3	4
F2	2	12,6400			
F3	2		15,4300		
F1	2			16,0800	
F0	2				18,0350
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

lemak (g/100g)

Duncan

Kode Sampel	N	Subset for alpha = 0.05			
		1	2	3	4
F0	2	3,2350			
F1	2		3,7400		
F2	2			3,7800	
F3	2				4,1250
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

kadar air (g/100g)

Duncan

Kode Sampel	N	Subset for alpha = 0.05		
		1	2	3
F0	2	76,2400		
F1	2		77,3650	
F3	2		77,3800	
F2	2			78,1700
Sig.		1,000	,932	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

kadar abu (g/100g)

Duncan

Kode Sampel	N	Subset for alpha = 0.05	
		1	2
F2	2	,6800	
F0	2	,7100	
F1	2		,7550
F3	2		,7650
Sig.		,086	,492

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

serat (g/100g)

Duncan

Kode Sampel	N	Subset for alpha = 0.05			
		1	2	3	4
F3	2	,0800			
F1	2		,1250		
F2	2			,1550	
F0	2				,1800
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

aktivitas antioksidan (mg/L)

Duncan

Kode Sampel	N	Subset for alpha = 0.05			
		1	2	3	4
F2	2	282108,3350			
F1	2		290582,7200		
F3	2			351383,2450	
F0	2				780058,5450
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

Total Plate Count (cfu/g)

Duncan

Kode Sampel	N	Subset for alpha = 0.05		
		1	2	3
F3	2	21000,00		
F1	2	22500,00		
F2	2		58000,00	
F0	2			110000,00
Sig.		,362	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2,000.

Lampiran 8. Rincian Biaya Penelitian

Material	Keterangan	Kauntitas	Harga Satuan (Rp)	Jumlah (Rp)
Bahan untuk formulasi selama penelitian	Tepung ampas kelapa, bunga telang, susu kedelai, susu full krim, gula, emulsifier (TBM), karagenan, tepung maizena, essence kelapa, vanilla cair, stroberi	4 formulasi	150.000	600.000
Uji nilai Gizi	Proksimat 9karbohidrat, protein, lemak, kadar abu, kadar air, serat kasar), Aktivitas Antioksidan, Angka Lempeng Total	4 formulasi	872.000	3.488.000
Souvenir		30 orang		100.000
Biaya Akomodasi Sampel		4 formulasi	25.000	100.000
Cetak laporan	Pembuatan proposal skripsi	10	100.000	1.000.000
Cetak kemasan dan stiker	Kemasan dan stiker	10	20.000	200.000
Lain-lain				300.000
			TOTAL	5.788.000

