

LAMPIRAN



**PROGRAM STUDI ILMU GIZI
FAKULTAS ILMU-ILMU KESEHATAN
UNIVERSITAS ESA UNGGUL**

Jl. Terusan Arjuna Utara No.9, Tol Tomang, Kebon Jeruk, Jakarta –
Barat 11510

Telp. (021)5674223 Fax. (021)5674248

LEMBAR PERSETUJUAN PANELIS

(INFORMED CONSENT)

Saya yang bertanda tangan dibawah ini :

Nama :

Umur :

Jurusan :

Alamat :

Menyatakan bersedia menjadi panelis penelitian dari :

Nama : Risca Febriani

Nim : 2015-32-121

Saya telah mendapat penjelasan dari peneliti mengenai tujuan penelitian ini. Saya mengerti bahwa penelitian ini tidak akan membahayakan diri saya. Identitas dan jawaban yang akan saya berikan akan dijaga kerahasiaanya dan hanya diperlukan sebagai bahan penelitian.

Demikian surat pernyataan ini saya tandatangi secara sadar dan tanpa ada paksaan dari pihak manapun.

Jakarta,2019

TTD Panelis

()

FORMULIR PENILAIAN UJI MUTU HEDONIK

Nama :
Tanggal Pengujian :
Produk : *Cube food*
Kode Sampel :

Dihadapan saudara disajikan beberapa sampel *cube food* berbahan dasar tepung jangkrik dan kacang koro benguk. Saudara diminta menilai berdasarkan aspek rasa, warna, aroma, dan tekstur dari *cube food* dengan memberikan deskripsi sensori yang aktual terhadap produk yang telah disediakan sesuai dengan kode sampel. Sebelum dan sesudah mencicipi *cube food* saudara diminta untuk minum air putih terlebih dahulu sebelum memberi penilaian. Atas kerjasamanya saya ucapkan terimakasih.

- ❖ Rasa
|-----|
Pahit Manis
- ❖ Warna
|-----|
Coklat Kehitaman
- ❖ Aroma
|-----|
Tengik Creamy
- ❖ Tekstur
|-----|
Keras Empuk

FORMULIR PENILAIAN UJI HEDONIK

Nama :
Tanggal Pengujian :
Produk : *Cube food*
Kode Sampel :

Dihadapan saudara disajikan beberapa sampel *cube food* berbahan dasar tepung jangkrik dan kacang koro benguk. Saudara diminta menilai berdasarkan aspek rasa, warna, aroma, dan tekstur dari *cube food* dengan memberikan deskripsi sensori yang aktual terhadap produk yang telah disediakan sesuai dengan kode sampel. Sebelum dan sesudah mencicipi *cube food* saudara diminta untuk minum air putih terlebih dahulu sebelum memberi penilaian. Atas kerjasamanya saya ucapkan terimakasih.

❖ Rasa

|-----|
Sangat Tidak Suka Sangat Suka

❖ Warna

|-----|
Sangat Tidak Suka Sangat suka

❖ Aroma

|-----|
Sangat Tidak Suka Sangat suka

❖ Tekstur

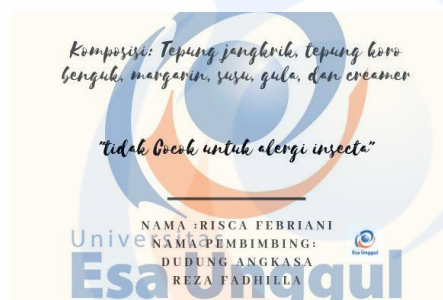
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Sangat Tidak Suka Sangat suka



Logo Produk *Cube Food*

INFORMASI NILAI GIZI		
Takaran Saji	:	5 gr
Jumlah Sajian Peremasan	:	13 keping
JUMLAH PER SAJIAN		
Energi Total	:	208 kkal
Energi dari lemak	:	123 kkal
Lemak Total	60 gr	% AKG* 18 %
Karbohidrat total	123 gr	11 %
Protein	22 gr	9 %
Zat besi	4 mg	44 %
Zink	1 mg	20 %
Kalsium	77 mg	7 %
*Persen AKG berdasarkan kebutuhan energi 1600 kkal. kebutuhan energi anda mungkin lebih tinggi atau lebih rendah		

Tabel Informasi Nilai Gizi



Gambar Komposisi *Cube Food*

Perhitungan Harga *Cube Food*

Bahan	Harga Bahan	Berat	Harga
Tepung Jangkrik	Rp 500.000/kg	20 gr	Rp 10.000.-
Tepung koro benguk	Rp 12.000/kg	10 gr	Rp 120.-
Tepung terigu	Rp 9.500/kg	30 gr	Rp 285.-
Margarin	Rp 10.000/250gr	11 gr	Rp 440.-
Gula halus	Rp 5.000/250gr	15 gr	Rp 300.-
Susu bubuk	1500/27gr	6 gr	Rp 24.-
Crimer	29.900/500gr	8 gr	Rp 478,4.-
Sticker	2.000/sticker	2	Rp 4.000.-
Standing pouch	620/pcs	4	Rp 2.480
Total Harga (100gr <i>cube food</i>)			Rp 18.127.-
Harga Per Kemasan (50gr)			Rp 7.000.-

Produksi 1 hari : 100 bks x harga per bungkus
: Rp 900.000.-

Produksi 1 bulan : Rp 900.000.- x 30 hari
: Rp 27.000.000.-

Biaya Tenaga Kerja : Rp 3.900.000.- : 30 hari
: Rp 130.000/hari
: Rp Rp 130.000/hari : 8 jam
:Rp 16.250/jam
:Rp 3.900.000 x 6 orang
: Rp 23.400.000.-

Biaya Overhead (30%) : 30% x 27.000.000
: Rp 6.210.000.-

Modal : 27.000.000.- + 6.210.000 + 23.400.000.-
: Rp 56.610.000.-

Laba : Rp 56.610.000.-x 30%
: Rp 16.983.000/bulan

Jual perbungkus : **Rp. 7.000.-/bks**

DOKUMENTASI



Tepung Jangkrik



Kacang koro benguk



Persiapan pembuatan *cube food*



Uji organoleptik

LAMPIRAN UJI MUTU HEDONIK

Rasa Cube Food

Duncan

Formulasi Cube Food	N	Subset for alpha = 0.05	
		1	2
F3	30	54.90	
F1	30	59.17	
F2	30	60.60	
F0	30		79.63
Sig.		.353	1.000

Means for groups in homogeneous subsets are displayed.

Warna Cube Food

Duncan

Formulasi Cube Food	N	Subset for alpha = 0.05	
		1	2
F0	30	25.20	
F2	30		65.47
F3	30		68.00
F1	30		69.67
Sig.		1.000	.485

Means for groups in homogeneous subsets are displayed.

Aroma Cube Food

Duncan

Formulasi Cube Food	N	Subset for alpha = 0.05	
		1	2
F3	30	45.50	
F2	30	49.13	
F1	30	51.27	
F0	30		78.33
Sig.		.387	1.000

Means for groups in homogeneous subsets are displayed.

Tekstur Cube Food

Duncan

Formulasi Cube Food	N	Subset for alpha = 0.05	
		1	2
F0	30	41.47	
F1	30		69.73
F2	30		71.60
F3	30		76.77
Sig.		1.000	.214

Means for groups in homogeneous subsets are displayed.

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Rasa Cube Food	Between Groups	10842.292	3	3614.097	7.356	.000
	Within Groups	56989.033	116	491.285		
	Total	67831.325	119			
Warna Cube Food	Between Groups	40930.233	3	13643.411	28.880	.000
	Within Groups	54800.933	116	472.422		
	Total	95731.167	119			
Aroma Cube Food	Between Groups	20357.092	3	6785.697	11.711	.000
	Within Groups	67211.500	116	579.409		
	Total	87568.592	119			
Tekstur Cube Food	Between Groups	22745.692	3	7581.897	18.012	.000
	Within Groups	48829.900	116	420.947		
	Total	71575.592	119			

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Rasa Cube Food	F0	30	79.63	12.042	2.198	75.14	84.13	45	93
	F1	30	59.17	22.273	4.066	50.85	67.48	14	91

	F2	30	60.60	24.986	4.562	51.27	69.93	6	95
	F3	30	54.90	26.453	4.830	45.02	64.78	10	92
	Total	120	63.58	23.875	2.179	59.26	67.89	6	95
Warna Cube Food	F0	30	25.20	16.514	3.015	19.03	31.37	3	62
	F1	30	69.67	20.617	3.764	61.97	77.37	15	98
	F2	30	65.47	25.354	4.629	56.00	74.93	9	95
	F3	30	68.00	23.433	4.278	59.25	76.75	5	94
	Total	120	57.08	28.363	2.589	51.96	62.21	3	98
Aroma Cube Food	F0	30	78.33	18.455	3.369	71.44	85.22	14	99
	F1	30	51.27	23.275	4.249	42.58	59.96	16	92
	F2	30	49.13	26.849	4.902	39.11	59.16	3	90
	F3	30	45.50	26.729	4.880	35.52	55.48	7	90
	Total	120	56.06	27.127	2.476	51.15	60.96	3	99
Tekstur Cube Food	F0	30	41.47	28.529	5.209	30.81	52.12	3	98
	F1	30	69.73	18.682	3.411	62.76	76.71	25	97
	F2	30	71.60	16.806	3.068	65.32	77.88	40	93
	F3	30	76.77	15.440	2.819	71.00	82.53	31	100
	Total	120	64.89	24.525	2.239	60.46	69.32	3	100

LAMPIRAN UJI HEDONIK

rasa cube food

Duncan

formulasi cube food	N	Subset for alpha = 0.05	
		1	2
F3	30	39.97	
F1	30	48.73	
F2	30	50.23	
F0	30		75.20
Sig.		.117	1.000

rasa cube food

Duncan

formulasi cube food	N	Subset for alpha = 0.05	
		1	2
F3	30	39.97	
F1	30	48.73	
F2	30	50.23	
F0	30		75.20
Sig.		.117	1.000

warna cube food

Duncan

formulasi cube food	N	Subset for alpha = 0.05	
		1	2
F2	30	42.73	
F3	30	43.17	
F1	30	45.63	
F0	30		79.77
Sig.		.628	1.000

aroma cube food

Duncan

formulasi cube food	N	Subset for alpha = 0.05	
		1	2
F3	30	44.80	
F1	30	47.00	
F2	30	50.43	
F0	30		77.70
Sig.		.325	1.000

Tekstur

Duncan

formulasi cube food	N	Subset for alpha = 0.05	
		1	
F2	30		58.93
F0	30		59.60
F3	30		59.93
F1	30		60.20
Sig.			.848

ANOVA

		Sum of Squares	Df	Mean Square	F	Sig.
rasa cube food	Between Groups	20622.867	3	6874.289	12.156	.000
	Within Groups	65601.000	116	565.526		
	Total	86223.867	119			
warna cube food	Between Groups	29180.958	3	9726.986	20.831	.000
	Within Groups	54166.367	116	466.951		
	Total	83347.325	119			
aroma cube food	Between Groups	21125.500	3	7041.833	16.428	.000
	Within Groups	49724.467	116	428.659		
	Total	70849.967	119			
Tekstur	Between Groups	26.933	3	8.978	.017	.997
	Within Groups	60947.733	116	525.411		
	Total	60974.667	119			

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
rasa cube food	F0	30	75.20	17.857	3.260	68.53	81.87	28	95
	F1	30	48.73	23.498	4.290	39.96	57.51	2	87
	F2	30	50.23	26.940	4.919	40.17	60.29	6	90
	F3	30	39.97	25.794	4.709	30.33	49.60	5	88
	Total	120	53.53	26.918	2.457	48.67	58.40	2	95
warna cube food	F0	30	79.77	17.196	3.140	73.35	86.19	24	97
	F1	30	45.63	23.710	4.329	36.78	54.49	6	82
	F2	30	42.73	23.083	4.214	34.11	51.35	6	83
	F3	30	43.17	21.843	3.988	35.01	51.32	10	85
	Total	120	52.82	26.465	2.416	48.04	57.61	6	97
aroma cube food	F0	30	77.70	14.143	2.582	72.42	82.98	36	95
	F1	30	47.00	21.828	3.985	38.85	55.15	6	83
	F2	30	50.43	24.387	4.452	41.33	59.54	5	84
	F3	30	44.80	21.057	3.845	36.94	52.66	11	81
	Total	120	54.98	24.400	2.227	50.57	59.39	5	95
tekstur	F0	30	59.60	28.792	5.257	48.85	70.35	2	97
	F1	30	60.20	17.291	3.157	53.74	66.66	21	90
	F2	30	58.93	22.655	4.136	50.47	67.39	10	91
	F3	30	59.93	21.457	3.918	51.92	67.95	17	95
	Total	120	59.67	22.636	2.066	55.58	63.76	2	97

LAMPIRAN UJI NILAI GIZI *CUBE FOOD*

kadar energi

Duncan

formulasi cube food	N	Subset for alpha = 0.05		
		1	2	3
1	2	3.5085E2		
0	2		3.5344E2	
3	2			3.6306E2
2	2			3.6378E2
Sig.		1.000	1.000	.425

Means for groups in homogeneous subsets are displayed.

kadar air

Duncan

formulasi cube food	N	Subset for alpha = 0.05		
		1	2	3
0	2	18.5300		
2	2		20.1400	
3	2		20.2000	
1	2			22.1200
Sig.		1.000	.602	1.000

Means for groups in homogeneous subsets are displayed.

kadar abu

Duncan

formula si cube food	N	Subset for alpha = 0.05			
		1	2	3	4
0	2	.9100			
2	2		1.7900		
1	2			2.0200	
3	2				2.5100
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

kadar lemak

Duncan

formula si cube food	N	Subset for alpha = 0.05			
		1	2	3	4
1	2	12.4050			
0	2		12.4550		
2	2			13.2100	
3	2				13.5100
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

kadar karbohidrat

Duncan

formula si cube food	N	Subset for alpha = 0.05			
		1	2	3	4
3	2	52.7000			
1	2		53.5950		
2	2			54.5600	
0	2				61.8650
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

kadar zat besi

Duncan

formulasi cube food	N	Subset for alpha = 0.05			
		1	2	3	4
0	2	4.5800			
2	2		50.9100		
1	2			59.5500	
3	2				87.0200
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

kadar zink

Duncan

formulasi cube food	N	Subset for alpha = 0.05		
		1	2	3
2	2	25.2950		
1	2		25.5200	
0	2		25.5350	
3	2			32.2200
Sig.		1.000	.417	1.000

Means for groups in homogeneous subsets are displayed.

kadar kalsium

Duncan

formulasi cube food	N	Subset for alpha = 0.05		
		1	2	3
0	2	9.3682E2		
1	2		1.5035E3	
2	2		1.5072E3	
3	2			1.5557E3
Sig.		1.000	.577	1.000

Means for groups in homogeneous subsets are displayed.

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
kadar energi	Between Groups	261.478	3	87.159	132.180	.000
	Within Groups	2.638	4	.659		
	Total	264.115	7			
kadar air	Between Groups	12.940	3	4.313	383.400	.000
	Within Groups	.045	4	.011		
	Total	12.985	7			
kadar abu	Between Groups	2.689	3	.896	8.963E3	.000
	Within Groups	.000	4	.000		
	Total	2.689	7			
kadar protein	Between Groups	27.307	3	9.102		
	Within Groups	.000	4	.000		
	Total	27.307	7			
kadar lemak	Between Groups	1.822	3	.607	2.430E4	.000
	Within Groups	.000	4	.000		

	Total	1.822	7			
kadar karbohidrat	Between Groups	105.473	3	35.158	704.206	.000
	Within Groups	.200	4	.050		
	Total	105.672	7			
kadar zat besi	Between Groups	7048.853	3	2349.618	4.272E6	.000
	Within Groups	.002	4	.001		
	Total	7048.855	7			
kadar zink	Between Groups	68.822	3	22.941	8.342E4	.000
	Within Groups	.001	4	.000		
	Total	68.823	7			
kadar kalsium	Between Groups	517316.280	3	172438.760	4.616E3	.000
	Within Groups	149.442	4	37.360		
	Total	517465.722	7			

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for		Minimum	Maximum
						Mean			
						Lower Bound	Upper Bound		
kadar energi	0	2	3.5344E2	.11314	.08000	352.4235	354.4565	353.36	353.52
	1	2	3.5085E2	1.58392	1.12000	336.6191	365.0809	349.73	351.97
	2	2	3.6378E2	.33941	.24000	360.7305	366.8295	363.54	364.02
	3	2	3.6306E2	.02828	.02000	362.8059	363.3141	363.04	363.08
	Totall	8	3.5778E2	6.14254	2.17171	352.6472	362.9178	349.73	364.02
kadar air	0	2	18.5300	.02828	.02000	18.2759	18.7841	18.51	18.55
	1	2	22.1200	.05657	.04000	21.6118	22.6282	22.08	22.16
	2	2	20.1400	.08485	.06000	19.3776	20.9024	20.08	20.20
	3	2	20.2000	.18385	.13000	18.5482	21.8518	20.07	20.33
	Totall	8	20.2475	1.36197	.48153	19.1089	21.3861	18.51	22.16
kadar abu	0	2	.9100	.00000	.00000	.9100	.9100	.91	.91
	1	2	2.0200	.01414	.01000	1.8929	2.1471	2.01	2.03
	2	2	1.7900	.00000	.00000	1.7900	1.7900	1.79	1.79
	3	2	2.5100	.01414	.01000	2.3829	2.6371	2.50	2.52
	Totall	8	1.8075	.61983	.21914	1.2893	2.3257	.91	2.52
kadar protein	0	2	6.2400	.00000	.00000	6.2400	6.2400	6.24	6.24
	1	2	9.6500	.00000	.00000	9.6500	9.6500	9.65	9.65
	2	2	10.3000	.00000	.00000	10.3000	10.3000	10.30	10.30
	3	2	11.0800	.00000	.00000	11.0800	11.0800	11.08	11.08
	Totall	8	9.3175	1.97508	.69830	7.6663	10.9687	6.24	11.08
kadar lemak	0	2	12.4550	.00707	.00500	12.3915	12.5185	12.45	12.46
	1	2	12.4050	.00707	.00500	12.3415	12.4685	12.40	12.41
	2	2	13.2100	.00000	.00000	13.2100	13.2100	13.21	13.21
	3	2	13.5100	.00000	.00000	13.5100	13.5100	13.51	13.51
	Totall	8	12.8950	.51024	.18040	12.4684	13.3216	12.40	13.51
kadar karbohidrat	0	2	61.8650	.03536	.02500	61.5473	62.1827	61.84	61.89
	1	2	53.5950	.40305	.28500	49.9737	57.2163	53.31	53.88

	2	2	54.5600	.08485	.06000	53.7976	55.3224	54.50	54.62
	3	2	52.7000	.16971	.12000	51.1753	54.2247	52.58	52.82
	Tota I	8	55.6800	3.88536	1.37368	52.4318	58.9282	52.58	61.89
kadar zat besi	0	2	4.5800	.01414	.01000	4.4529	4.7071	4.57	4.59
	1	2	59.5500	.04243	.03000	59.1688	59.9312	59.52	59.58
	2	2	50.9100	.01414	.01000	50.7829	51.0371	50.90	50.92
	3	2	87.0200	.00000	.00000	87.0200	87.0200	87.02	87.02
	Tota I	8	50.5150	31.73294	11.21929	23.9856	77.0444	4.57	87.02
kadar zink	0	2	25.5350	.02121	.01500	25.3444	25.7256	25.52	25.55
	1	2	25.5200	.01414	.01000	25.3929	25.6471	25.51	25.53
	2	2	25.2950	.02121	.01500	25.1044	25.4856	25.28	25.31
	3	2	32.2200	.00000	.00000	32.2200	32.2200	32.22	32.22
	Tota I	8	27.1425	3.13557	1.10859	24.5211	29.7639	25.28	32.22
kadar kalsium	0	2	9.3682E2	1.47785	1.04500	923.5370	950.0930	935.77	937.86
	1	2	1.5035E3	6.34982	4.49000	1446.4891	1560.5909	1499.05	1508.03
	2	2	1.5072E3	.45962	.32500	1503.1155	1511.3745	1506.92	1507.57
	3	2	1.5557E3	10.33083	7.30500	1462.8562	1648.4938	1548.37	1562.98
	Tota I	8	1.3758E3	271.88908	96.12731	1148.5138	1603.1237	935.77	1562.98