

Lampiran 1

VAS uji daya terima

LEMBAR PERSETUJUAN SEBAGAI PANELIS

Saya adalah mahasiswa Program Studi Ilmu Gizi Fakultas Ilmu – Ilmu Kesehatan Universitas Esa Unggul yang saat ini sedang melakukan pengambilan data untuk uji hedonik dan mutu hedonik pada produk Minuman fungsional sari kacang bengkok, kacang kedelai dan ekstrak beras hitam. serbuk instan ekstrak daun kersen. 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 semi terlatih. Perlu saya informasikan bahwa keikutsertaan saudara/i sebagai panelis semi terlatih 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 :

No Hp :

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

Jakarta, _____ 2017

Panelis,

(Lanjutan)

FORMULIR UJI HEDONIK

DATA PANELIS

Nama :

Hari/Tanggal :

NIM :

Kode sampel : F0

INSTRUKSI

Dihadapan saudara terdapat produk minuman fungsional sari kacang benguk, kacang kedelai dan ekstrak beras hitam. Saudara diminta untuk menilai produk tersebut dengan analisis secara organoleptik diukur dari rasa, warna, aroma dan tekstur.

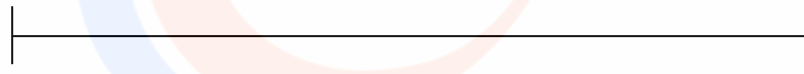
Sebelum mencicipi sampel berikutnya, anda diminta untuk mengkumur mulut terlebih dahulu dengan air mineral yang telah disediakan. Berikan tanda (•) pada garis yang telah disediakan pada masing-masing kategori pengukuran sesuai penilaian anda.

KETERANGAN

- a. Panjang garis 10 cm
- b. Dalam penilaian, panelis boleh meletakkan dimana saja titik penilaiannya

(Lanjutan)

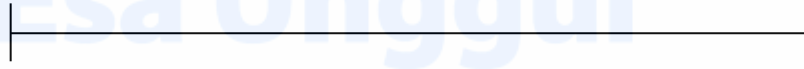
Rasa



Tidak Suka

Sangat Suka

Aroma



Tidak Suka

Sangat Suka

Warna



Tidak Suka

Sangat Suka

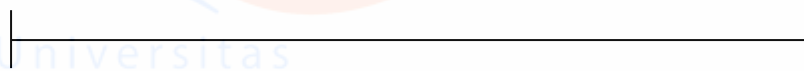
Tekstur



Tidak Suka

Sangat Suka

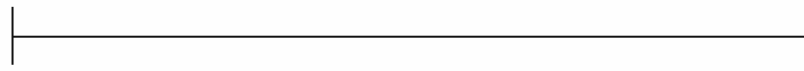
Kekentalan



Tidak Suka

Sangat Suka

Tingkat Kesukaan Keseluruhan



Tidak Suka

Sangat Suka

(Lanjutan)

FORMULIR UJI MUTU HEDONIK

DATA PANELIS

Nama :

Hari/Tanggal :

NIM :

Kode sampel : F0

INSTRUKSI

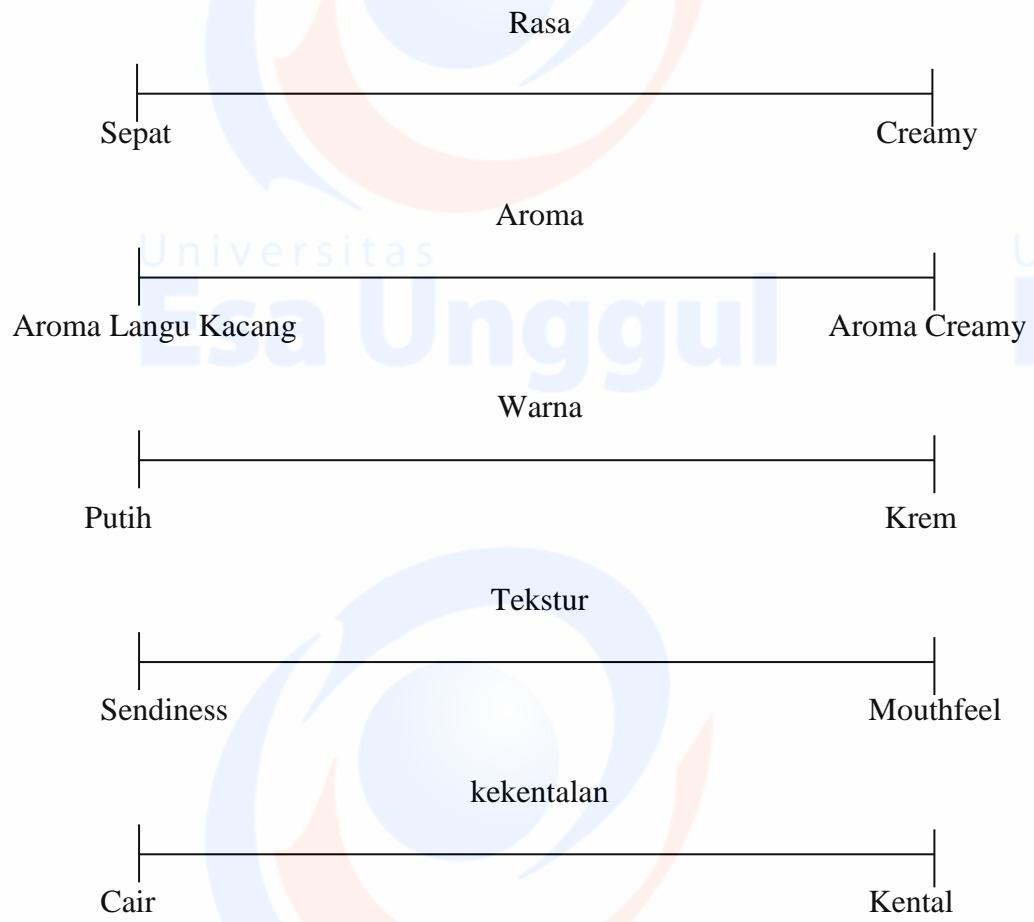
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Sebelum mencicipi sampel berikutnya, anda diminta untuk mengkumur mulut terlebih dahulu dengan air mineral yang telah disediakan. Berikan tanda (•) pada garis yang telah disediakan pada masing-masing kategori pengukuran sesuai penilaian anda.

KETERANGAN

- a. Panjang garis 10 cm
- b. Dalam penilaian, panelis boleh meletakkan dimana saja titik penilaiannya

(Lanjutan)



Lampiran 2
Analisa deskriptif uji hedonik

Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum	
					Lower Bound	Upper Bound			
Aroma Susu Benguk	Kontrol	29	56.38	25.748	4.781	46.59	66.17	18	100
	Formulasi 1	29	71.97	25.029	4.648	62.44	81.49	23	100
	Formulasi 2	29	76.72	21.230	3.942	68.65	84.80	33	100
	Formulasi 3	29	75.55	25.502	4.736	65.85	85.25	20	100
	Total	116	70.16	25.474	2.365	65.47	74.84	18	100
Warna Susu Benguk	Kontrol	29	64.69	26.149	4.856	54.74	74.64	22	100
	Formulasi 1	29	67.17	27.250	5.060	56.81	77.54	21	100
	Formulasi 2	29	65.55	30.884	5.735	53.80	77.30	22	100
	Formulasi 3	29	67.55	30.804	5.720	55.83	79.27	16	100
	Total	116	66.24	28.495	2.646	61.00	71.48	16	100
Rasa Susu Benguk	Kontrol	29	69.83	23.915	4.441	60.73	78.92	20	100
	Formulasi 1	29	78.00	25.178	4.675	68.42	87.58	23	100
	Formulasi 2	29	80.83	22.791	4.232	72.16	89.50	17	100
	Formulasi 3	29	80.14	21.792	4.047	71.85	88.43	24	100
	Total	116	77.20	23.560	2.187	72.87	81.53	17	100
Tekstur Susu Benguk	Kontrol	29	72.90	22.531	4.184	64.33	81.47	8	100
	Formulasi 1	29	77.76	21.848	4.057	69.45	86.07	30	100
	Formulasi 2	29	79.41	19.236	3.572	72.10	86.73	35	100
	Formulasi 3	29	80.00	23.621	4.386	71.02	88.98	13	100
	Total	116	77.52	21.763	2.021	73.51	81.52	8	100
Kekentalan Susu Benguk	Kontrol	29	71.79	22.823	4.238	63.11	80.47	10	100
	Formulasi 1	29	78.10	19.816	3.680	70.57	85.64	28	100
	Formulasi 2	29	71.24	24.375	4.526	61.97	80.51	20	100
	Formulasi 3	29	74.59	24.640	4.575	65.21	83.96	20	100
	Total	116	73.93	22.856	2.122	69.73	78.13	10	100
Keseluruhan Susu Benguk	Kontrol	29	73.03	20.260	3.762	65.33	80.74	33	100
	Formulasi 1	29	73.24	21.920	4.070	64.90	81.58	21	100
	Formulasi 2	29	81.03	16.908	3.140	74.60	87.47	31	100
	Formulasi 3	29	77.45	22.926	4.257	68.73	86.17	12	100
	Total	116	76.19	20.628	1.915	72.40	79.98	12	100

Lampiran 3
Analisa *One Way* anova uji hedonik

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
Aroma Susu Benguk	Between Groups	7694.448	3	2564.816	4.292	.007
	Within Groups	66932.759	112	597.614		
	Total	74627.207	115			
Warna Susu Benguk	Between Groups	158.552	3	52.851	.064	.979
	Within Groups	93214.690	112	832.274		
	Total	93373.241	115			
Rasa Susu Benguk	Between Groups	2226.716	3	742.239	1.349	.262
	Within Groups	61605.724	112	550.051		
	Total	63832.440	115			
Tekstur Susu Benguk	Between Groups	903.931	3	301.310	.630	.597
	Within Groups	53563.034	112	478.241		
	Total	54466.966	115			
Kekentalan Susu Benguk	Between Groups	859.655	3	286.552	.542	.655
	Within Groups	59213.793	112	528.695		
	Total	60073.448	115			
Keseluruhan Susu Benguk	Between Groups	1267.414	3	422.471	.993	.399
	Within Groups	47668.414	112	425.611		
	Total	48935.828	115			

Lampiran 4 Uji Bonferroni Hedonik

Multiple Comparisons

Bonferroni

Dependent Variable	(I) Formulasi	(J) Formulasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Keseluruhan Susu Benguk	Kontrol	Formulasi 1	.484	5.721	1.000	-14.86	15.83
		Formulasi 2	-7.161	5.721	1.000	-22.51	8.19
		Formulasi 3	-2.161	5.721	1.000	-17.51	13.19
		Kontrol	-.484	5.721	1.000	-15.83	14.86
	Formulasi 1	Formulasi 2	-7.645	5.721	1.000	-22.99	7.70
		Formulasi 3	-2.645	5.721	1.000	-17.99	12.70
		Kontrol	7.161	5.721	1.000	-8.19	22.51
	Formulasi 2	Formulasi 1	7.645	5.721	1.000	-7.70	22.99
		Formulasi 3	5.000	5.721	1.000	-10.35	20.35
		Kontrol	2.161	5.721	1.000	-13.19	17.51
	Formulasi 3	Formulasi 1	2.645	5.721	1.000	-12.70	17.99
		Formulasi 2	-5.000	5.721	1.000	-20.35	10.35
Formulasi 1		-14.742	6.601	.164	-32.45	2.97	
Aroma Susu Benguk	Kontrol	Formulasi 2	-15.774	6.601	.110	-33.48	1.93
		Formulasi 3	-18.290	6.601	.039	-36.00	-.58
		Kontrol	14.742	6.601	.164	-2.97	32.45
	Formulasi 1	Formulasi 2	-1.032	6.601	1.000	-18.74	16.68
		Formulasi 3	-3.548	6.601	1.000	-21.26	14.16
		Kontrol	15.774	6.601	.110	-1.93	33.48
	Formulasi 2	Formulasi 1	1.032	6.601	1.000	-16.68	18.74
		Formulasi 3	-2.516	6.601	1.000	-20.22	15.19
		Kontrol	18.290	6.601	.039	.58	36.00
	Formulasi 3	Formulasi 1	3.548	6.601	1.000	-14.16	21.26
		Formulasi 2	2.516	6.601	1.000	-15.19	20.22
		Formulasi 1	1.516	7.623	1.000	-18.93	21.97
Kontrol	Formulasi 2	-1.548	7.623	1.000	-22.00	18.90	
	Formulasi 3	-2.774	7.623	1.000	-23.22	17.68	
	Kontrol	-1.516	7.623	1.000	-21.97	18.93	
Warna Susu Benguk	Formulasi 1	Formulasi 2	-3.065	7.623	1.000	-23.51	17.39
		Formulasi 3	-4.290	7.623	1.000	-24.74	16.16
		Kontrol	1.548	7.623	1.000	-18.90	22.00
	Formulasi 2	Formulasi 1	3.065	7.623	1.000	-17.39	23.51
		Formulasi 3	-1.226	7.623	1.000	-21.68	19.22
		Kontrol	2.774	7.623	1.000	-17.68	23.22
	Formulasi 3	Formulasi 1	4.290	7.623	1.000	-16.16	24.74
		Formulasi 2	1.226	7.623	1.000	-19.22	21.68
		Formulasi 1	-4.710	6.732	1.000	-22.77	13.35
	Kontrol	Formulasi 2	-10.968	6.732	.635	-29.03	7.09
		Formulasi 3	-8.839	6.732	1.000	-26.90	9.22
		Kontrol	4.710	6.732	1.000	-13.35	22.77
Rasa Susu Benguk	Formulasi 1	Formulasi 2	-6.258	6.732	1.000	-24.32	11.80
		Formulasi 3	-4.129	6.732	1.000	-22.19	13.93
		Kontrol	10.968	6.732	.635	-7.09	29.03
	Formulasi 2	Formulasi 1	6.258	6.732	1.000	-11.80	24.32
		Formulasi 3	2.129	6.732	1.000	-15.93	20.19
		Kontrol	8.839	6.732	1.000	-9.22	26.90
	Formulasi 3	Kontrol	4.129	6.732	1.000	-13.93	22.19

		Formulasi 2	-2.129	6.732	1.000	-20.19	15.93
		Formulasi 1	-4.645	6.219	1.000	-21.33	12.04
Tekstur Susu Benguk	Kontrol	Formulasi 2	-6.226	6.219	1.000	-22.91	10.46
		Formulasi 3	-6.548	6.219	1.000	-23.23	10.13
		Kontrol	4.645	6.219	1.000	-12.04	21.33
	Formulasi 1	Formulasi 2	-1.581	6.219	1.000	-18.26	15.10
		Formulasi 3	-1.903	6.219	1.000	-18.59	14.78
		Kontrol	6.226	6.219	1.000	-10.46	22.91
	Formulasi 2	Formulasi 1	1.581	6.219	1.000	-15.10	18.26
		Formulasi 3	-.323	6.219	1.000	-17.01	16.36
		Kontrol	6.548	6.219	1.000	-10.13	23.23
	Formulasi 3	Formulasi 1	1.903	6.219	1.000	-14.78	18.59
		Formulasi 2	.323	6.219	1.000	-16.36	17.01
		Formulasi 1	-7.581	6.218	1.000	-24.26	9.10
Kontrol	Formulasi 2	-.548	6.218	1.000	-17.23	16.13	
	Formulasi 3	-2.839	6.218	1.000	-19.52	13.84	
	Kontrol	7.581	6.218	1.000	-9.10	24.26	
Kekentalan Susu Benguk	Formulasi 1	Formulasi 2	7.032	6.218	1.000	-9.65	23.71
		Formulasi 3	4.742	6.218	1.000	-11.94	21.42
		Kontrol	.548	6.218	1.000	-16.13	17.23
	Formulasi 2	Formulasi 1	-7.032	6.218	1.000	-23.71	9.65
		Formulasi 3	-2.290	6.218	1.000	-18.97	14.39
		Kontrol	2.839	6.218	1.000	-13.84	19.52
Formulasi 3	Formulasi 1	-4.742	6.218	1.000	-21.42	11.94	
	Formulasi 2	2.290	6.218	1.000	-14.39	18.97	

*. The mean difference is signifikansi at the 0.05 level.

Lampiran 5
Analisa deskriptif uji mutu hedonik

Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum	
					Lower Bound	Upper Bound			
Aroma Susu Benguk	Kontrol	29	55.83	20.690	3.842	47.96	63.70	20	100
	Formula 1	29	63.72	18.917	3.513	56.53	70.92	20	100
	Formula 2	29	61.69	26.306	4.885	51.68	71.70	22	100
	Formula 3	29	64.59	28.800	5.348	53.63	75.54	20	100
	Total	116	61.46	23.949	2.224	57.05	65.86	20	100
Warna Susu Benguk	Kontrol	29	68.10	26.733	4.964	57.93	78.27	10	100
	Formula 1	29	72.10	26.847	4.985	61.89	82.32	29	100
	Formula 2	29	71.93	29.847	5.542	60.58	83.28	20	100
	Formula 3	29	78.93	26.534	4.927	68.84	89.02	25	100
	Total	116	72.77	27.444	2.548	67.72	77.81	10	100
Rasa Susu Benguk	Kontrol	29	61.86	21.015	3.902	53.87	69.86	20	100
	Formula 1	29	61.31	20.831	3.868	53.39	69.23	24	100
	Formula 2	29	59.21	22.177	4.118	50.77	67.64	24	100
	Formula 3	29	64.62	26.772	4.971	54.44	74.80	23	100
	Total	116	61.75	22.610	2.099	57.59	65.91	20	100
Tekstur Susu Benguk	Kontrol	29	58.76	24.806	4.606	49.32	68.19	10	100
	Formula 1	29	51.31	25.304	4.699	41.69	60.94	15	100
	Formula 2	29	55.59	30.190	5.606	44.10	67.07	10	100
	Formula 3	29	49.17	27.013	5.016	38.90	59.45	10	100
	Total	116	53.71	26.819	2.490	48.77	58.64	10	100
Kekentalan Susu Benguk	Kontrol	29	60.90	24.567	4.562	51.55	70.24	19	100
	Formula 1	29	54.52	28.651	5.320	43.62	65.42	10	100
	Formula 2	29	58.00	27.017	5.017	47.72	68.28	20	100
	Formula 3	29	60.72	29.578	5.492	49.47	71.97	9	100
	Total	116	58.53	27.282	2.533	53.52	63.55	9	100

Lampiran 6
Analisa *One Way* anova uji mutu hedonik

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
Aroma Susu Benguk	Between Groups	1353.612	3	451.204	.782	.506
	Within Groups	64607.172	112	576.850		
	Total	65960.784	115			
Warna Susu Benguk	Between Groups	1765.612	3	588.537	.777	.509
	Within Groups	84849.103	112	757.581		
	Total	86614.716	115			
Rasa Susu Benguk	Between Groups	432.509	3	144.170	.277	.842
	Within Groups	58355.241	112	521.029		
	Total	58787.750	115			
Tekstur Susu Benguk	Between Groups	1605.345	3	535.115	.739	.531
	Within Groups	81110.690	112	724.203		
	Total	82716.034	115			
Kekentalan Susu Benguk	Between Groups	777.138	3	259.046	.342	.795
	Within Groups	84817.724	112	757.301		
	Total	85594.862	115			

Lampiran 7
Uji Bonferroni Mutu Hedonik

Multiple Comparisons

Bonferroni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Aroma	0	1	-6.448	7.285	1.000	-26.02	13.12
		2	-15.172	7.285	.237	-34.74	4.40
		3	-17.345	7.285	.114	-36.91	2.22
	1	0	6.448	7.285	1.000	-13.12	26.02
		2	-8.724	7.285	1.000	-28.29	10.84
		3	-10.897	7.285	.825	-30.46	8.67
	2	0	15.172	7.285	.237	-4.40	34.74
		1	8.724	7.285	1.000	-10.84	28.29
		3	-2.172	7.285	1.000	-21.74	17.40
	3	0	17.345	7.285	.114	-2.22	36.91
		1	10.897	7.285	.825	-8.67	30.46
		2	2.172	7.285	1.000	-17.40	21.74
Warna	0	1	-7.414	7.477	1.000	-27.50	12.67
		2	-4.103	7.477	1.000	-24.19	15.98
		3	-14.759	7.477	.305	-34.84	5.32
	1	0	7.414	7.477	1.000	-12.67	27.50
		2	3.310	7.477	1.000	-16.77	23.39
		3	-7.345	7.477	1.000	-27.43	12.74
	2	0	4.103	7.477	1.000	-15.98	24.19
		1	-3.310	7.477	1.000	-23.39	16.77
		3	-10.655	7.477	.941	-30.74	9.43
	3	0	14.759	7.477	.305	-5.32	34.84
		1	7.345	7.477	1.000	-12.74	27.43
		2	10.655	7.477	.941	-9.43	30.74
Rasa	0	1	1.034	6.229	1.000	-15.69	17.76
		2	1.276	6.229	1.000	-15.45	18.01
		3	-2.069	6.229	1.000	-18.80	14.66
	1	0	-1.034	6.229	1.000	-17.76	15.69
		2	.241	6.229	1.000	-16.49	16.97
		3	-3.103	6.229	1.000	-19.83	13.63
	2	0	-1.276	6.229	1.000	-18.01	15.45
		1	-.241	6.229	1.000	-16.97	16.49
		3	-3.345	6.229	1.000	-20.07	13.38
	3	0	2.069	6.229	1.000	-14.66	18.80
		1	3.103	6.229	1.000	-13.63	19.83
		2	3.345	6.229	1.000	-13.38	20.07
Tekstur	0	1	-5.966	7.379	1.000	-25.78	13.85
		2	-6.138	7.379	1.000	-25.96	13.68
		3	-5.138	7.379	1.000	-24.96	14.68
	1	0	5.966	7.379	1.000	-13.85	25.78
		2	-.172	7.379	1.000	-19.99	19.65
		3	.828	7.379	1.000	-18.99	20.65
	2	0	6.138	7.379	1.000	-13.68	25.96
		1	.172	7.379	1.000	-19.65	19.99
		3	1.000	7.379	1.000	-18.82	20.82
	3	0	5.138	7.379	1.000	-14.68	24.96
		1	-.828	7.379	1.000	-20.65	18.99
		2	-1.000	7.379	1.000	-20.82	18.82
Kekentalan	0	1	.241	7.597	1.000	-20.16	20.65

	2	5.621	7.597	1.000	-14.78	26.03
	3	-6.655	7.597	1.000	-27.06	13.75
	0	-.241	7.597	1.000	-20.65	20.16
1	2	5.379	7.597	1.000	-15.03	25.78
	3	-6.897	7.597	1.000	-27.30	13.51
	0	-5.621	7.597	1.000	-26.03	14.78
2	1	-5.379	7.597	1.000	-25.78	15.03
	3	-12.276	7.597	.654	-32.68	8.13
	0	6.655	7.597	1.000	-13.75	27.06
3	1	6.897	7.597	1.000	-13.51	27.30
	2	12.276	7.597	.654	-8.13	32.68

Lampiran 8
Analisa deskriptif analisis nilai gizi

Descriptives

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum	
					Lower Bound	Upper Bound			
Air	F0	2	84.5150	.02121	.01500	84.3244	84.7056	84.50	84.53
	F1	2	84.1400	.02828	.02000	83.8859	84.3941	84.12	84.16
	F2	2	84.2250	.00707	.00500	84.1615	84.2885	84.22	84.23
	F3	2	83.9100	.01414	.01000	83.7829	84.0371	83.90	83.92
	Total	8	84.1975	.23193	.08200	84.0036	84.3914	83.90	84.53
Abu	F0	2	.1800	.01414	.01000	.0529	.3071	.17	.19
	F1	2	.3200	.01414	.01000	.1929	.4471	.31	.33
	F2	2	.2950	.00707	.00500	.2315	.3585	.29	.30
	F3	2	.2850	.00707	.00500	.2215	.3485	.28	.29
	Total	8	.2700	.05782	.02044	.2217	.3183	.17	.33
Lemak	F0	2	.4550	.02121	.01500	.2644	.6456	.44	.47
	F1	2	.9400	.04243	.03000	.5588	1.3212	.91	.97
	F2	2	.8850	.02121	.01500	.6944	1.0756	.87	.90
	F3	2	.8250	.02121	.01500	.6344	1.0156	.81	.84
	Total	8	.7763	.20410	.07216	.6056	.9469	.44	.97
Protein	F0	2	8.3300	.04243	.03000	7.9488	8.7112	8.30	8.36
	F1	2	8.1800	.01414	.01000	8.0529	8.3071	8.17	8.19
	F2	2	9.6500	.02828	.02000	9.3959	9.9041	9.63	9.67
	F3	2	10.4450	.03536	.02500	10.1273	10.7627	10.42	10.47
	Total	8	9.1513	1.00603	.35569	8.3102	9.9923	8.17	10.47
Karbohidrat	F0	2	6.5200	.05657	.04000	6.0118	7.0282	6.48	6.56
	F1	2	6.4200	.07071	.05000	5.7847	7.0553	6.37	6.47
	F2	2	4.9450	.00707	.00500	4.8815	5.0085	4.94	4.95
	F3	2	4.5350	.03536	.02500	4.2173	4.8527	4.51	4.56
	Total	8	5.6050	.93910	.33202	4.8199	6.3901	4.51	6.56
Serat	F0	2	.5000	.02828	.02000	.2459	.7541	.48	.52
	F1	2	.8700	.01414	.01000	.7429	.9971	.86	.88
	F2	2	.7250	.02121	.01500	.5344	.9156	.71	.74
	F3	2	.6150	.02121	.01500	.4244	.8056	.60	.63
	Total	8	.6775	.14704	.05199	.5546	.8004	.48	.88

Lampiran 9
Analisa *One Way* anova analisis nilai gizi

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
Air	Between Groups	.375	3	.125	333.378	.000
	Within Groups	.001	4	.000		
	Total	.377	7			
Abu	Between Groups	.023	3	.008	61.067	.001
	Within Groups	.000	4	.000		
	Total	.023	7			
Lemak	Between Groups	.288	3	.096	122.090	.000
	Within Groups	.003	4	.001		
	Total	.292	7			
Protein	Between Groups	7.081	3	2.360	2331.074	.000
	Within Groups	.004	4	.001		
	Total	7.085	7			
Karbohidrat	Between Groups	6.164	3	2.055	865.109	.000
	Within Groups	.009	4	.002		
	Total	6.173	7			
Serat	Between Groups	.149	3	.050	104.877	.000
	Within Groups	.002	4	.000		
	Total	.151	7			

Lampiran 10
Uji bonferroni analisis nilai gizi

Multiple Comparisons

Bonferroni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Air	F0	F1	.37500*	.01936	.000	.2811	.4689
		F2	.29000*	.01936	.001	.1961	.3839
		F3	.60500*	.01936	.000	.5111	.6989
	F1	F0	-.37500*	.01936	.000	-.4689	-.2811
		F2	-.08500	.01936	.071	-.1789	.0089
		F3	.23000*	.01936	.002	.1361	.3239
	F2	F0	-.29000*	.01936	.001	-.3839	-.1961
		F1	.08500	.01936	.071	-.0089	.1789
		F3	.31500*	.01936	.001	.2211	.4089
	F3	F0	-.60500*	.01936	.000	-.6989	-.5111
		F1	-.23000*	.01936	.002	-.3239	-.1361
		F2	-.31500*	.01936	.001	-.4089	-.2211
Abu	F0	F1	-.14000*	.01118	.001	-.1942	-.0858
		F2	-.11500*	.01118	.003	-.1692	-.0608
		F3	-.10500*	.01118	.004	-.1592	-.0508
	F1	F0	.14000*	.01118	.001	.0858	.1942
		F2	.02500	.01118	.534	-.0292	.0792
		F3	.03500	.01118	.211	-.0192	.0892
	F2	F0	.11500*	.01118	.003	.0608	.1692
		F1	-.02500	.01118	.534	-.0792	.0292
		F3	.01000	.01118	1.000	-.0442	.0642
	F3	F0	.10500*	.01118	.004	.0508	.1592
		F1	-.03500	.01118	.211	-.0892	.0192
		F2	-.01000	.01118	1.000	-.0642	.0442
Lemak	F0	F1	-.48500*	.02806	.000	-.6211	-.3489
		F2	-.43000*	.02806	.001	-.5661	-.2939
		F3	-.37000*	.02806	.001	-.5061	-.2339
	F1	F0	.48500*	.02806	.000	.3489	.6211
		F2	.05500	.02806	.729	-.0811	.1911
		F3	.11500	.02806	.089	-.0211	.2511
	F2	F0	.43000*	.02806	.001	.2939	.5661
		F1	-.05500	.02806	.729	-.1911	.0811
		F3	.06000	.02806	.596	-.0761	.1961
	F3	F0	.37000*	.02806	.001	.2339	.5061
		F1	-.11500	.02806	.089	-.2511	.0211
		F2	-.06000	.02806	.596	-.1961	.0761
Protein	F0	F1	.15000	.03182	.055	-.0044	.3044
		F2	-1.32000*	.03182	.000	-1.4744	-1.1656
		F3	-2.11500*	.03182	.000	-2.2694	-1.9606
	F1	F0	-.15000	.03182	.055	-.3044	.0044
		F2	-1.47000*	.03182	.000	-1.6244	-1.3156
		F3	-2.26500*	.03182	.000	-2.4194	-2.1106
	F2	F0	1.32000*	.03182	.000	1.1656	1.4744
		F1	1.47000*	.03182	.000	1.3156	1.6244
		F3	-.79500*	.03182	.000	-.9494	-.6406
	F3	F0	2.11500*	.03182	.000	1.9606	2.2694
		F1	2.26500*	.03182	.000	2.1106	2.4194
			F2	.79500*	.03182	.000	.6406

Karbohidrat	F0	F1	.10000	.04873	.657	-.1364	.3364
		F2	1.57500*	.04873	.000	1.3386	1.8114
		F3	1.98500*	.04873	.000	1.7486	2.2214
	F1	F0	-.10000	.04873	.657	-.3364	.1364
		F2	1.47500*	.04873	.000	1.2386	1.7114
		F3	1.88500*	.04873	.000	1.6486	2.1214
	F2	F0	-1.57500*	.04873	.000	-1.8114	-1.3386
		F1	-1.47500*	.04873	.000	-1.7114	-1.2386
		F3	.41000*	.04873	.007	.1736	.6464
	F3	F0	-1.98500*	.04873	.000	-2.2214	-1.7486
		F1	-1.88500*	.04873	.000	-2.1214	-1.6486
		F2	-.41000*	.04873	.007	-.6464	-.1736
Serat	F0	F1	-.37000*	.02179	.000	-.4757	-.2643
		F2	-.22500*	.02179	.003	-.3307	-.1193
		F3	-.11500*	.02179	.037	-.2207	-.0093
	F1	F0	.37000*	.02179	.000	.2643	.4757
		F2	.14500*	.02179	.016	.0393	.2507
		F3	.25500*	.02179	.002	.1493	.3607
	F2	F0	.22500*	.02179	.003	.1193	.3307
		F1	-.14500*	.02179	.016	-.2507	-.0393
		F3	.11000*	.02179	.043	.0043	.2157
	F3	F0	.11500*	.02179	.037	.0093	.2207
		F1	-.25500*	.02179	.002	-.3607	-.1493
		F2	-.11000*	.02179	.043	-.2157	-.0043

*. The mean difference is signifikansi at the 0.05 level.

Lampiran 11 Perhitungan Nilai Gizi Susu Benguk F0

Susu Benguk F0 per 100 ml

Energi	: 64,5 kkal
Protein	: 8,33 g
Lemak	: 0,46 g
Karbohidrat	: 6,51g
Serat	: 0,50 g
Antioksidan	: 154,31 ppm

Kalori dalam 100 ml susu benguk

Jumlah kalori protein	= 8,33 x 4 = 33,32
Jumlah kalori lemak	= 0,46 x 9 = 4,14
Jumlah kalori karbohidrat	= 6,51 x 4 = 26,04
Jumlah kalori serat	= 0,50 x 2 = 1

AKG 2000 kal

Protein = 10-15% (15% x 2000 = 300 kkal)
Lemak = 10-25% (15% x 2000 = 300 kkal)
Karbohidrat = 60-75% (70% x 2000 = 1200 kkal)

AKG pada susu benguk

Protein = (33,32/300 kkal) x 100% = 11,10%
Lemak = (4,14/300 kkal) x 100% = 1,38%
Karbohidrat = (26,04/1200 kkal) x 100% = 2,17%

Lampiran 12 Perhitungan Nilai Gizi Susu Benguk F1

Susu Benguk F1 per 100 ml

Energi	: 68,6 kkal
Protein	: 8,18 g
Lemak	: 0,94 g
Karbohidrat	: 6,42 g
Serat	: 0,87 g
Antioksidan	: 113,30 ppm

Kalori dalam 100 ml susu benguk

Jumlah kalori protein	= 8,18 x 4 = 32,72
Jumlah kalori lemak	= 0,94 x 9 = 8,46
Jumlah kalori karbohidrat	= 6,42 x 4 = 25,68
Jumlah kalori serat	= 0,87 x 2 = 1,74

AKG 2000 kal

Protein = 10-15% (15% x 2000 = 300 kkal)
Lemak = 10-25% (15% x 2000 = 300 kkal)
Karbohidrat = 60-75% (70% x 2000 = 1200 kkal)

AKG pada susu benguk

Protein = (32,72/300 kkal) x 100% = 10,90%
Lemak = (8,46/300 kkal) x 100% = 2,82%
Karbohidrat = (25,58/1200 kkal) x 100% = 2,13%

Lampiran 13 Perhitungan Nilai Gizi Susu Benguk F2

Susu Benguk F2 per 100 ml

Energi	: 67,91 kkal
Protein	: 9,65 g
Lemak	: 0,89 g
Karbohidrat	: 4,93 g
Serat	: 0,73 g
Antioksidan	: 85,55 ppm

Kalori dalam 100 ml susu benguk

Jumlah kalori protein	= 9,65 x 4 = 38,6
Jumlah kalori lemak	= 0,89 x 9 = 8,01
Jumlah kalori karbohidrat	= 4,93 x 4 = 19,84
Jumlah kalori serat	= 0,73 x 2 = 1,46

AKG 2000 kal

Protein = 10-15% (15% x 2000 = 300 kkal)
Lemak = 10-25% (15% x 2000 = 300 kkal)
Karbohidrat = 60-75% (70% x 2000 = 1200 kkal)

AKG pada susu benguk

Protein = (38,6/300 kkal) x 100% = 12,86%
Lemak = (8,01/300 kkal) x 100% = 2,67%
Karbohidrat = (19,84/1200 kkal) x 100% = 1,65%

Lampiran 14 Perhitungan Nilai Gizi Susu Benguk F3

Susu Benguk F3 per 100 ml

Energi	: 65,79 kkal
Protein	: 10,45 g
Lemak	: 0,83 g
Karbohidrat	: 4,53 g
Serat	: 0,62 g
Antioksidan	: 72,81 ppm

Kalori dalam 100 ml susu benguk

Jumlah kalori protein	= 10,45 x 4 = 41,8
Jumlah kalori lemak	= 0,83 x 9 = 7,47
Jumlah kalori karbohidrat	= 4,53 x 4 = 18,12
Jumlah kalori serat	= 0,62 x 2 = 1,24

AKG 2000 kal

Protein = 10-15% (15% x 2000 = 300 kkal)
Lemak = 10-25% (15% x 2000 = 300 kkal)
Karbohidrat = 60-75% (70% x 2000 = 1200 kkal)

AKG pada susu benguk

Protein = (41,8/300 kkal) x 100% = 13,93%
Lemak = (7,47/300 kkal) x 100% = 2,49%
Karbohidrat = (18,12/1200 kkal) x 100% = 1,51%

Lampiran 15
Foto Susu Benguk



Produk susu benguk F0, F1, F2 dan F3



Produk susu benguk F0, F1, F2 dan F3

Lampiran 16
Dokumentasi Uji Hedonik



Lampiran 17
Packaging dan Nutrition Fact



INFORMASI NILAI GIZI	
Susu Benguk Per 100 ml	
Energi	: 67,91 kkal
Karbohidrat	: 4,93 g
Protein	: 9,65 g
Lemak	: 0,89 g
Serat	: 0,73 g
Antioksidan	: 85,55 ppm

