

Lampiran 1. Perhitungan formulasi *food bar*

Bahan	F1	F2	F3	F4
	10:10:10	15:10:05	10:15:05	15:15:00
Tepung Ubi Ungu	10 g	15 g	10 g	15 g
Protein (g)	0.279	0.418	0.279	0.418
Lemak (g)	0.232	0.348	0.232	0.348
Karbohidrat (g)	8.637	12.955	8.637	12.955
Energi (kkal)	37.752	56.628	37.752	56.628
Tepung Kacang Hijau	10 g	10 g	15 g	15 g
Protein (g)	2.571	2.571	3.856	3.856
Lemak (g)	0.206	0.206	0.309	0.309
Karbohidrat (g)	6.673	6.673	10.001	10.001
Energi (kkal)	38.83	38.83	58.245	58.245
Tepung Labu Kuning	10 g	5 g	5 g	-
Protein (g)	1.569	0.784	0.785	-
Lemak (g)	0.162	0.081	0.081	-
Karbohidrat (g)	0.428	0.214	0.214	-
Energi (kkal)	9.446	4.723	4.723	-
Gula	12 g	12 g	12 g	12 g
Protein (g)	-	-	-	-
Lemak (g)	-	-	-	-
Karbohidrat (g)	11.28	11.28	11.28	11.28
Energi (kkal)	47.28	47.28	47.28	47.28
Margarin	8 g	8 g	8 g	8 g
Protein (g)	0.048	0.048	0.048	0.048
Lemak (g)	6.480	6.480	6.480	6.480
Karbohidrat (g)	0.032	0.032	0.032	0.032
Energi (kkal)	57.60	57.60	57.60	57.60
Susu Full Cream	10 g	10 g	10 g	10 g
Protein (g)	2.7	2.7	2.7	2.7
Lemak (g)	2.6	2.6	2.6	2.6
Karbohidrat (g)	4.0	4.0	4.0	4.0
Energi (kkal)	50.2	50.2	50.2	50.2
TOTAL	F1	F2	F3	F4
Protein (g)	7.167	6.522	7.668	7.023
Lemak (g)	9.680	9.715	9.702	9.737
Karbohidrat (g)	31.05	35.15	34.17	38.27
Energi (kkal)	241.108	255.261	255.800	269.953

Lampiran 2. Formulir uji hedonik

Kode Panelis:

Formulir Uji Hedonik

Nama Panelis :

Tanggal :

Di hadapan Anda disajikan sampel *food bar*. Anda diminta untuk memberikan penilaian terhadap warna, aroma, rasa, tekstur dan tingkat kesukaan secara keseluruhan dengan ketentuan:

1. Beri tanda garis vertikal (I) pada garis yang telah disediakan pada masing-masing kategori pengukuran sesuai penilaian Anda.
2. Silahkan minum/berkumur terlebih dahulu sebelum menilai sampel berikutnya.
3. Mohon untuk **tidak membandingkan** antar sampel.

Kode Sampel :

Warna *food bar*

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

Aroma *food bar*

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

Rasa *food bar*

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

Tekstur *food bar*

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

Tingkat Kesukaan Keseluruhan

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

Komentar

.....
.....

Lampiran 3. Formulir uji mutu hedonik

Kode Panelis:

Formulir Uji Mutu Hedonik

Nama Panelis :

Tanggal :

Di hadapan Anda disajikan sampel *food bar*. Berikan penilaian Anda terhadap warna, aroma, rasa, dan tekstur dengan ketentuan sebagai berikut:

1. Beri tanda garis vertikal (I) pada garis yang telah disediakan pada masing-masing kategori pengukuran sesuai penilaian Anda.
2. Silahkan minum atau berkumur terlebih dahulu sebelum Anda menilai sampel berikutnya.
3. Mohon **tidak membandingkan** antar sampel.

Kode Sampel:

Mutu Hedonik

Warna food bar

Ungu  Ungu Kecoklatan

Aroma food bar

Lemah  Kuat

Rasa food bar

Hambar  Manis

Tekstur food bar

Keras  Renyah



PROGRAM STUDI ILMU GIZI
FAKULTAS ILMU-ILMU KESEHATAN
UNIVERSITAS ESA UNGGUL
Jl. Arjuna Utara 9, Kebon Jeruk, Jakarta Barat 11510
Telp. (021) 5674223 Fax (021) 5674248

**LEMBAR PERSETUJUAN PANELIS
(INFORMED CONSENT)**

Saya yang bertanda tangan di bawah ini :

Nama :

Umur :

Fakultas/Jurusan :

Menyatakan bersedia menjadi panelis penelitian dari :

Nama : Novita Grasella

NIM : 2013-32-020

Judul : **Analisis Daya Terima dan Nilai Gizi *Food Bar* dengan Campuran Tepung Ubi Ungu (*Ipomoea batatas*), Kacang Hijau (*Vigna radiata*) dan Labu Kuning (*Cucurbita moschata*) untuk Pangan Darurat Bencana (*Emergency Food*)**

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 kerahasiaannya dan hanya diperlukan sebagai bahan penelitian.

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

Jakarta,

2017

Panelis

()

DAFTAR HADIR PANELIS
UJI ORGANOLEPTIK FOOD BAR

No.	NAMA	ANGKATAN	TTD
1.	Yenapilla	2015	<i>[Signature]</i>
2.	Erickson Manu	2016	<i>[Signature]</i>
3.	Fadila	2016	<i>[Signature]</i>
4.	RIMA	2016	<i>[Signature]</i>
5.	Vanny Septhyani	2016	<i>[Signature]</i>
6.	Shofiyatul M	2016	<i>[Signature]</i>
7.	Feni Febriantun	2016	<i>[Signature]</i>
8.	Arif Muhandoko	2016	<i>[Signature]</i>
9.	Tirza Dewi	2016	<i>[Signature]</i>
10.	M. Amur Rifli	2016	<i>[Signature]</i>
11.	Fibri Dwi Anggraini	2016	<i>[Signature]</i>
12.	Effy Simanjuntak	2016	<i>[Signature]</i>
13.	yasni Sihombing	2016	<i>[Signature]</i>
14.	Elys Silalahi	2016	<i>[Signature]</i>
15.	Yustina Dwi R	2016	<i>[Signature]</i>
16.	Frischa Grecia A	2016	<i>[Signature]</i>
17.	Nepriana D. Manopo	2016	<i>[Signature]</i>
18.	DESRI Y.M. Tortanuy	2016	<i>[Signature]</i>
19.	MARIA ALVES WARA	2016	<i>[Signature]</i>
20.	Andri Firwansyah	2016	<i>[Signature]</i>
21.	Ruchmi Octaviana	2016	<i>[Signature]</i>
22.	Refianita Agusti	2016	<i>[Signature]</i>
23.	SRI PRINDARA B.	2016	<i>[Signature]</i>
24.	Tatta H. Tuambuan	2016	<i>[Signature]</i>
25.	THERESIA	2016	<i>[Signature]</i>
26.	Fitrianita Wulandari	2016	<i>[Signature]</i>
27.	PRATIWI	2016	<i>[Signature]</i>
28.	Indahsani	2016	<i>[Signature]</i>
29.	Fentria Anggraeni	2016	<i>[Signature]</i>
30.	Yestison Kaulari	2016	<i>[Signature]</i>
31.	Batrio Lumbani Torani	2016	<i>[Signature]</i>
32.			
33.			
34.			
35.			

Lampiran 6. Hasil Output SPSS Uji Organoleptik

Uji Hedonik

Oneway

Descriptives

Warna Food Bar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	25	50.20	16.376	3.275	43.44	56.96	27	81
G2	25	62.52	17.812	3.562	55.17	69.87	29	92
G3	25	75.88	12.279	2.456	70.81	80.95	56	94
G4	25	82.16	8.542	1.708	78.63	85.69	66	94
Total	100	67.69	18.708	1.871	63.98	71.40	27	94

ANOVA

Warna Food Bar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	15227.150	3	5075.717	25.091	.000
Within Groups	19420.240	96	202.294		
Total	34647.390	99			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Warna Food Bar
Bonferroni

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-12.320 [*]	4.023	.017	-23.16	-1.48
	G3	-25.680 [*]	4.023	.000	-36.52	-14.84
	G4	-31.960 [*]	4.023	.000	-42.80	-21.12
G2	G1	12.320 [*]	4.023	.017	1.48	23.16
	G3	-13.360 [*]	4.023	.008	-24.20	-2.52
	G4	-19.640 [*]	4.023	.000	-30.48	-8.80
G3	G1	25.680 [*]	4.023	.000	14.84	36.52
	G2	13.360 [*]	4.023	.008	2.52	24.20
	G4	-6.280	4.023	.731	-17.12	4.56
G4	G1	31.960 [*]	4.023	.000	21.12	42.80
	G2	19.640 [*]	4.023	.000	8.80	30.48
	G3	6.280	4.023	.731	-4.56	17.12

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

Oneway

Descriptives

Aroma Food Bar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					G1	25		
G2	25	68.36	10.148	2.030	64.17	72.55	45	89
G3	25	71.24	8.516	1.703	67.72	74.76	56	89
G4	25	80.44	7.885	1.577	77.19	83.69	65	93
Total	100	69.11	12.972	1.297	66.54	71.68	27	93

ANOVA

Aroma Food Bar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	7375.310	3	2458.437	25.425	.000
Within Groups	9282.480	96	96.693		
Total	16657.790	99			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Aroma Food Bar

Bonferroni

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-11.960 [*]	2.781	.000	-19.45	-4.47
	G3	-14.840 [*]	2.781	.000	-22.33	-7.35
	G4	-24.040 [*]	2.781	.000	-31.53	-16.55
G2	G1	11.960 [*]	2.781	.000	4.47	19.45
	G3	-2.880	2.781	1.000	-10.37	4.61
	G4	-12.080 [*]	2.781	.000	-19.57	-4.59
G3	G1	14.840 [*]	2.781	.000	7.35	22.33
	G2	2.880	2.781	1.000	-4.61	10.37
	G4	-9.200 [*]	2.781	.008	-16.69	-1.71
G4	G1	24.040 [*]	2.781	.000	16.55	31.53
	G2	12.080 [*]	2.781	.000	4.59	19.57
	G3	9.200 [*]	2.781	.008	1.71	16.69

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

Oneway

Descriptives

Rasa Food Bar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	25	44.60	13.307	2.661	39.11	50.09	19	67
G2	25	70.80	8.421	1.684	67.32	74.28	53	88
G3	25	75.48	13.796	2.759	69.79	81.17	48	94
G4	25	63.28	12.064	2.413	58.30	68.26	46	89
Total	100	63.54	16.777	1.678	60.21	66.87	19	94

ANOVA

Rasa Food Bar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13851.560	3	4617.187	31.631	.000
Within Groups	14013.280	96	145.972		
Total	27864.840	99			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Rasa Food Bar

Bonferroni

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-26.200 [*]	3.417	.000	-35.41	-16.99
	G3	-30.880 [*]	3.417	.000	-40.09	-21.67
	G4	-18.680 [*]	3.417	.000	-27.89	-9.47
G2	G1	26.200 [*]	3.417	.000	16.99	35.41
	G3	-4.680	3.417	1.000	-13.89	4.53
	G4	7.520	3.417	.181	-1.69	16.73
G3	G1	30.880 [*]	3.417	.000	21.67	40.09
	G2	4.680	3.417	1.000	-4.53	13.89
	G4	12.200 [*]	3.417	.003	2.99	21.41
G4	G1	18.680 [*]	3.417	.000	9.47	27.89
	G2	-7.520	3.417	.181	-16.73	1.69
	G3	-12.200 [*]	3.417	.003	-21.41	-2.99

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

Oneway

Descriptives

Tekstur Food Bar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					G1	25		
G2	25	73.80	8.451	1.690	70.31	77.29	57	89
G3	25	68.88	10.872	2.174	64.39	73.37	36	85
G4	25	60.76	11.641	2.328	55.95	65.57	40	76
Total	100	64.00	13.225	1.322	61.38	66.62	35	89

ANOVA

Tekstur Food Bar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6530.640	3	2176.880	19.380	.000
Within Groups	10783.360	96	112.327		
Total	17314.000	99			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Tekstur Food Bar

Bonferroni

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-21.240*	2.998	.000	-29.32	-13.16
	G3	-16.320*	2.998	.000	-24.40	-8.24
	G4	-8.200*	2.998	.045	-16.28	-.12
G2	G1	21.240*	2.998	.000	13.16	29.32
	G3	4.920	2.998	.624	-3.16	13.00
	G4	13.040*	2.998	.000	4.96	21.12
G3	G1	16.320*	2.998	.000	8.24	24.40
	G2	-4.920	2.998	.624	-13.00	3.16
	G4	8.120*	2.998	.048	.04	16.20
G4	G1	8.200*	2.998	.045	.12	16.28
	G2	-13.040*	2.998	.000	-21.12	-4.96
	G3	-8.120*	2.998	.048	-16.20	-.04

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

Oneway

Descriptives

Keseluruhan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
G1	25	56.12	9.671	1.934	52.13	60.11	34	76
G2	25	63.44	8.646	1.729	59.87	67.01	49	82
G3	25	81.08	7.147	1.429	78.13	84.03	65	90
G4	25	67.28	7.971	1.594	63.99	70.57	50	80
Total	100	66.98	12.319	1.232	64.54	69.42	34	90

ANOVA

Keseluruhan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8234.280	3	2744.760	38.808	.000
Within Groups	6789.680	96	70.726		
Total	15023.960	99			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Keseluruhan

Bonferroni

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
G1	G2	-7.320 [*]	2.379	.016	-13.73	-.91
	G3	-24.960 [*]	2.379	.000	-31.37	-18.55
	G4	-11.160 [*]	2.379	.000	-17.57	-4.75
G2	G1	7.320 [*]	2.379	.016	.91	13.73
	G3	-17.640 [*]	2.379	.000	-24.05	-11.23
	G4	-3.840	2.379	.658	-10.25	2.57
G3	G1	24.960 [*]	2.379	.000	18.55	31.37
	G2	17.640 [*]	2.379	.000	11.23	24.05
	G4	13.800 [*]	2.379	.000	7.39	20.21
G4	G1	11.160 [*]	2.379	.000	4.75	17.57
	G2	3.840	2.379	.658	-2.57	10.25
	G3	-13.800 [*]	2.379	.000	-20.21	-7.39

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

Uji Mutu Hedonik

Oneway

Descriptives

Warna Food Bar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Formula1	25	80.44	9.478	1.896	76.53	84.35	58	95
Formula2	25	70.40	9.425	1.885	66.51	74.29	55	85
Formula3	25	68.72	8.116	1.623	65.37	72.07	55	84
Formula4	25	53.08	14.396	2.879	47.14	59.02	32	82
Total	100	68.16	14.366	1.437	65.31	71.01	32	95

ANOVA

Warna Food Bar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9588.400	3	3196.133	28.297	.000
Within Groups	10843.040	96	112.948		
Total	20431.440	99			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Warna Food Bar

Bonferroni

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula1	Formula2	10.040	3.006	.007	1.94	18.14
	Formula3	11.720	3.006	.001	3.62	19.82
	Formula4	27.360	3.006	.000	19.26	35.46
Formula2	Formula1	-10.040	3.006	.007	-18.14	-1.94
	Formula3	1.680	3.006	1.000	-6.42	9.78
	Formula4	17.320	3.006	.000	9.22	25.42
Formula3	Formula1	-11.720	3.006	.001	-19.82	-3.62
	Formula2	-1.680	3.006	1.000	-9.78	6.42
	Formula4	15.640	3.006	.000	7.54	23.74
Formula4	Formula1	-27.360	3.006	.000	-35.46	-19.26
	Formula2	-17.320	3.006	.000	-25.42	-9.22
	Formula3	-15.640	3.006	.000	-23.74	-7.54

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

Oneway

Descriptives

Aroma Food Bar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Formula1	25	81.08	8.057	1.611	77.75	84.41	66	95
Formula2	25	66.56	10.943	2.189	62.04	71.08	47	88
Formula3	25	72.84	12.886	2.577	67.52	78.16	43	91
Formula4	25	54.32	12.711	2.542	49.07	59.57	29	79
Total	100	68.70	14.852	1.485	65.75	71.65	29	95

ANOVA

Aroma Food Bar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9544.200	3	3181.400	24.841	.000
Within Groups	12294.800	96	128.071		
Total	21839.000	99			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Aroma Food Bar

Bonferroni

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula1	Formula2	14.520 [*]	3.201	.000	5.90	23.14
	Formula3	8.240	3.201	.069	-.38	16.86
	Formula4	26.760 [*]	3.201	.000	18.14	35.38
Formula2	Formula1	-14.520 [*]	3.201	.000	-23.14	-5.90
	Formula3	-6.280	3.201	.316	-14.90	2.34
	Formula4	12.240 [*]	3.201	.001	3.62	20.86
Formula3	Formula1	-8.240	3.201	.069	-16.86	.38
	Formula2	6.280	3.201	.316	-2.34	14.90
	Formula4	18.520 [*]	3.201	.000	9.90	27.14
Formula4	Formula1	-26.760 [*]	3.201	.000	-35.38	-18.14
	Formula2	-12.240 [*]	3.201	.001	-20.86	-3.62
	Formula3	-18.520 [*]	3.201	.000	-27.14	-9.90

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

Oneway

Descriptives

Rasa Food Bar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Formula1	25	60.00	11.321	2.264	55.33	64.67	44	86
Formula2	25	67.84	9.728	1.946	63.82	71.86	53	84
Formula3	25	79.52	8.608	1.722	75.97	83.07	66	95
Formula4	25	72.00	8.568	1.714	68.46	75.54	59	89
Total	100	69.84	11.835	1.184	67.49	72.19	44	95

ANOVA

Rasa Food Bar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4979.840	3	1659.947	17.930	.000
Within Groups	8887.600	96	92.579		
Total	13867.440	99			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Rasa Food Bar

Bonferroni

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula1	Formula2	-7.840*	2.721	.029	-15.17	-.51
	Formula3	-19.520*	2.721	.000	-26.85	-12.19
	Formula4	-12.000*	2.721	.000	-19.33	-4.67
Formula2	Formula1	7.840*	2.721	.029	.51	15.17
	Formula3	-11.680*	2.721	.000	-19.01	-4.35
	Formula4	-4.160	2.721	.778	-11.49	3.17
Formula3	Formula1	19.520*	2.721	.000	12.19	26.85
	Formula2	11.680*	2.721	.000	4.35	19.01
	Formula4	7.520*	2.721	.041	.19	14.85
Formula4	Formula1	12.000*	2.721	.000	4.67	19.33
	Formula2	4.160	2.721	.778	-3.17	11.49
	Formula3	-7.520*	2.721	.041	-14.85	-.19

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

Oneway

Descriptives

Tekstur Food Bar

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Formula1	25	55.96	12.908	2.582	50.63	61.29	27	82
Formula2	25	65.40	11.165	2.233	60.79	70.01	52	89
Formula3	25	81.04	6.643	1.329	78.30	83.78	69	90
Formula4	25	74.64	6.480	1.296	71.97	77.31	66	89
Total	100	69.26	13.501	1.350	66.58	71.94	27	90

ANOVA

Tekstur Food Bar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8987.560	3	2995.853	31.752	.000
Within Groups	9057.680	96	94.351		
Total	18045.240	99			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Tekstur Food Bar

Bonferroni

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula1	Formula2	-9.440*	2.747	.005	-16.84	-2.04
	Formula3	-25.080*	2.747	.000	-32.48	-17.68
	Formula4	-18.680*	2.747	.000	-26.08	-11.28
Formula2	Formula1	9.440*	2.747	.005	2.04	16.84
	Formula3	-15.640*	2.747	.000	-23.04	-8.24
	Formula4	-9.240*	2.747	.007	-16.64	-1.84
Formula3	Formula1	25.080*	2.747	.000	17.68	32.48
	Formula2	15.640*	2.747	.000	8.24	23.04
	Formula4	6.400	2.747	.132	-1.00	13.80
Formula4	Formula1	18.680*	2.747	.000	11.28	26.08
	Formula2	9.240*	2.747	.007	1.84	16.64
	Formula3	-6.400	2.747	.132	-13.80	1.00

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

**LABORATORIUM TERPADU FIKES
UNIVERSITAS ESA UNGGUL**

*Jalan Arjuna Utara No.9, RT.1/RW.2, Duri Kepa, Kebon Jeruk, RT.1/RW.2, Duri Kepa, Kb. Jeruk,
Kota Jakarta Barat, Daerah Khusus Ibukota Jakarta 11510*

**HASIL ANALISIS PROKSIMAT DAN BOMB
CALORIMETER**

Kode Sampel	Ulangan	Kadar Air (%)	Kadar Abu (%)	Kadar Lemak (%)	Kadar Serat (%)	Kadar Protein (%)	Energi (kkal/g)
G3	1	0.17	3.50	20.29	0.47	19.89	5.35
	2	0.29	3.47	20.26	0.46	19.84	
	Rata-rata	0.23	3.49	20.28	0.47	19.87	

Jakarta, 3 Agustus 2017

Laboratorium Terpadu UEU


Eddy Poerwoto Boedijono, S.Si., M.Farm

Lampiran 8. Dokumentasi Uji Organoleptik



Lampiran 9. Dokumentasi Uji Proksimat dan *Bomb Calorimeter*



Lampiran 10. Perhitungan label informasi nilai gizi

✦ Jumlah zat gizi *food bar* per gram

Energi : 5.35 kkal

Protein : 19.87%

Lemak : 20.28%

Karbohidrat : 55.66%

✦ Persentase zat gizi *food bar* per bar (50 g)

Energi : $5.35 \text{ kkal} \times 50 \text{ g} = 267.5 \text{ kkal}$

Protein : $\frac{19.87\% \times 4 \times 50}{267.5} = 14.68\%$

Lemak : $\frac{20.28\% \times 9 \times 50}{267.5} = 34.12\%$

Karbohidrat : $\frac{55.66\% \times 4 \times 50}{267.5} = 41.61\%$

✦ Jumlah zat gizi makro *food bar* per bar (50 g)

Protein : $\frac{267.5}{4} \times 14.86\% = 9.94 \text{ g}$

Lemak : $\frac{267.5}{9} \times 34.12\% = 10.14 \text{ g}$

Karbohidrat : $\frac{267.5}{4} \times 41.61\% = 27.82 \text{ g}$

✦ AKG 2000 kkal*

Protein : 60 gram

Lemak : 67 gram

Karbohidrat : 275 gram

✦ Persentase AKG pada *food bar*

Protein : $\frac{10}{60} \times 100\% = 16.67\% = 17\%$

Lemak : $\frac{10}{67} \times 100\% = 14.93\% = 15\%$

Karbohidrat : $\frac{28}{275} \times 100\% = 10.18\% = 10\%$

*Peraturan Kepala BPOM RI Nomor 9 Tahun 2016 Tentang Acuan Label Gizi

Lampiran 11. Design Label Produk Food Bar



Bagian depan

INFORMASI NILAI GIZI			
Takaran Saji 1 bar (50 gram)			%AKG*
	Lemak Total	10 g	15%
Jumlah Sajian per Kemasan : 3	Protein	10 g	17%
Energi Total 270 kkal	Karbohidrat Total	28 g	10%
*Persen AKG berdasarkan kebutuhan energi 2000 kkal. Kebutuhan energi Anda mungkin lebih tinggi atau lebih rendah			
Komposisi : Tepung ubi ungu, tepung kacang hijau, tepung labu kuning, susu <i>full cream</i> , margarin, gula.			

Bagian Belakang