LAMPIRAN

Lampiran 1. Informed Consent

LEMBAR PERSETUJUAN SEBAGAI PANELIS

Saya Ledy Nadya mahasiswi 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 peningkatan kualitas kalsium produk tahu dengan penambahan limbah tulang ikan nila. 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, 2018

Lampiran 2. Formulir Uji Organoleptik

DATA PANELIS

Nama :

Hari/Tanggal :

NIM :

Nama Produk : Peningkatan Kualitas Kalsium Produk Tahu dengan Penambahan Tepung Tulang Ikan Nila

INSTRUKSI

Dihadapan saudara/i terdapat Peningkatan Kualitas Kalsium Produk Tahu dengan Penambahan Tepung Tulang Ikan Nila, saudara/i 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

Formulir Uji Mutu Hedonik

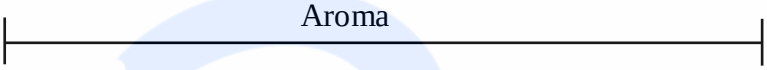
Rasa

Sangat Pahit Tawar

Warna

Coklat Putih

Aroma



Sangat Amis Tidak Amis

Tekstur I

(Bagian Dalam)

Sangat Keras Lunak

Tekstur II

(Bagian Luar)

Sangat Keras Kenyal

Formulir Uji Hedonik

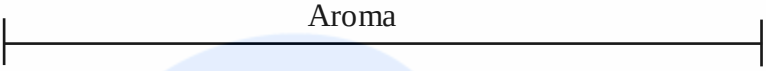
Rasa

Sangat Tidak Suka Sangat Suka

Warna

Sangat Tidak Suka Sangat Suka

Aroma



Sangat Tidak Suka Sangat Suka

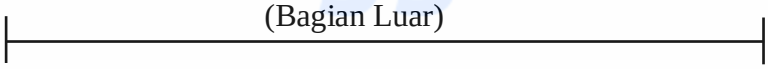
Tekstur 1

(Bagian Dalam)

Sangat Tidak Suka Sangat Suka

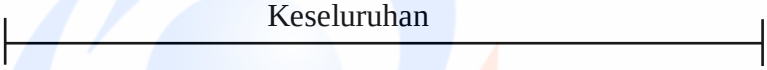
Tekstur 2

(Bagian Luar)



Sangat Tidak Suka Sangat Suka

Keseluruhan



Sangat Tidak Suka Sangat Suka

Lampiran 3. Hasil Uji Mutu Hedonik

Panelis	Formulasi 0				
	Rasa (mm)	Aroma (mm)	Warna (mm)	Tekstur1 (Bagian Dalam) (mm)	Tekstur2 (Bagian Luar) (mm)
1	56	56	71	82	58
2	55	69	87	24	54
3	55	67	79	42	55
4	65	70	81	87	81
5	55	73	98	83	77
6	77	80	40	83	58
7	80	79	89	76	73
8	70	76	100	60	61
9	31	65	78	98	48
10	47	78	81	82	66
11	83	65	83	84	71
12	33	55	98	99	76
13	67	65	83	68	52
14	55	62	90	69	55
15	40	87	91	45	43
16	54	67	97	82	45
17	76	65	90	65	70
18	65	55	75	76	75
19	60	59	77	60	52
20	40	77	96	92	55
21	51	74	64	74	64
22	50	78	69	86	30
23	46	77	74	56	67
24	25	65	73	73	67
25	26	81	95	78	66
26	69	87	67	74	76
27	37	65	89	96	95
28	28	65	78	90	97
29	42	67	87	82	85
30	35	65	98	98	90

(lanjutan)

Panelis	Formulasi 1				
	Rasa (mm)	**Aroma (mm)**	**Warna (mm)**	**Tekstur1 (Bagian Dalam) (mm)**	**Tekstur2 (Bagian Luar) (mm)**
1	35	64	79	81	61
2	56	45	65	52	54
3	55	34	56	44	52
4	55	87	58	52	69
5	50	64	88	47	56
6	35	76	57	70	55
7	56	43	65	45	50
8	70	71	78	35	35
9	56	56	88	46	47
10	45	45	88	83	74
11	33	98	59	70	74
12	48	57	95	89	91
13	30	67	75	51	43
14	65	56	77	76	68
15	56	70	66	60	51
16	45	43	87	35	39
17	50	56	87	80	70
18	44	66	50	62	58
19	51	71	45	57	52
20	38	55	85	72	64
21	55	57	73	72	75
22	43	72	77	58	44
23	65	86	65	62	78
24	45	54	100	94	85
25	66	55	86	14	29
26	56	56	59	70	56
27	33	79	95	94	89
28	53	78	96	80	87
29	32	98	55	45	44
30	27	55	89	90	85

(lanjutan)

Panelis	Formulasi 2				
	Rasa (mm)	Aroma (mm)	Warna (mm)	Tekstur1 (Bagian Dalam) (mm)	Tekstur2 (Bagian Luar) (mm)
1	41	87	79	62	59
2	29	85	23	27	16
3	55	80	58	38	36
4	56	34	49	63	65
5	54	23	76	45	25
6	66	79	78	33	18
7	29	34	97	57	25
8	35	36	100	88	79
9	26	21	95	49	48
10	36	45	57	60	53
11	35	30	33	42	35
12	55	88	94	94	89
13	35	43	75	62	63
14	59	30	43	69	51
15	20	66	55	55	47
16	25	89	43	45	55
17	53	54	82	76	83
18	55	43	85	50	76
19	56	54	79	55	79
20	65	88	95	74	73
21	55	35	83	75	86
22	45	24	65	50	38
23	48	51	71	45	46
24	35	35	83	66	84
25	56	28	47	54	61
26	56	23	25	56	65
27	55	55	85	86	75
28	34	22	93	78	77
29	76	67	53	72	56
30	34	78	90	80	68

(lanjutan)

Panelis	Formulasi 3				
	Rasa (mm)	Aroma (mm)	Warna (mm)	Tekstur1 (Bagian Dalam) (mm)	Tekstur2 (Bagian Luar) (mm)
1	30	25	50	46	43
2	35	15	54	49	27
3	25	18	56	34	35
4	32	89	59	48	47
5	43	75	51	61	69
6	50	23	56	58	33
7	42	12	55	50	49
8	54	18	34	88	67
9	45	88	45	43	57
10	35	55	64	40	46
11	56	60	24	62	54
12	21	66	76	73	66
13	30	50	74	40	43
14	47	77	75	70	53
15	33	56	79	45	65
16	50	60	54	24	21
17	53	59	65	71	60
18	54	55	75	75	76
19	30	34	78	73	72
20	32	56	44	23	67
21	31	33	55	20	67
22	52	23	44	24	32
23	45	54	60	48	40
24	55	55	45	21	67
25	41	54	74	63	54
26	43	56	54	61	59
27	30	32	44	45	55
28	45	54	45	85	62
29	25	23	75	74	44
30	32	22	54	85	65

Lampiran 4. Hasil Uji Hedonik

Panelis	Formulasi 0					
	Rasa (mm)	Aroma (mm)	Warna (mm)	Tekstur1 (Bagian Dalam) (mm)	Tekstur2 (Bagian Luar) (mm)	Keseluruhan
1	56	63	69	54	54	39
2	65	50	46	55	51	1
3	58	39	53	38	38	19
4	65	69	81	74	80	74
5	33	29	61	60	54	45
6	43	38	48	48	67	28
7	56	51	48	29	50	49
8	56	65	56	48	41	34
9	50	50	56	77	67	45
10	86	76	84	91	78	77
11	24	70	58	85	76	34
12	85	99	100	97	89	97
13	57	59	77	72	65	71
14	26	26	75	71	54	71
15	56	64	84	66	63	89
16	45	75	86	36	26	65
17	79	90	93	85	80	90
18	63	79	70	35	36	47
19	67	27	68	39	42	44
20	99	99	98	99	89	99
21	66	74	71	75	80	85
22	65	81	86	58	54	55

23	50	56	69	60	55	58
24	34	90	80	78	78	96
25	53	82	96	48	48	24
26	39	57	48	41	45	62
27	55	99	100	94	97	98
28	67	95	90	87	85	85
29	50	51	94	61	78	85
30	95	85	97	92	67	81

lanjutan)

Panelis	**Formulasi 1**					
	Rasa (mm)	**Aroma (mm)**	**Warna (mm)**	**Tekstur1 (Bagian Dalam) (mm)**	**Tekstur2 (Bagian Luar) (mm)**	**Keseluruhan**
1	35	36	75	61	56	16
2	60	60	49	24	33	2
3	39	18	54	25	25	10
4	41	19	47	70	65	41
5	37	38	69	56	53	48
6	76	0	49	0	4	0
7	19	30	49	21	20	26
8	35	0	56	13	9	4
9	23	2	48	81	76	46
10	50	60	65	69	67	56
11	24	64	64	76	74	42
12	86	94	76	87	82	93
13	16	77	70	61	66	67

14	70	75	51	66	56	56
15	26	27	75	37	35	8
16	34	44	67	38	40	45
17	81	85	88	66	63	78
18	56	77	58	15	19	54
19	35	38	34	36	37	38
20	98	98	99	83	83	99
21	66	69	76	70	72	71
22	62	56	48	40	41	60
23	44	46	64	63	62	60
24	89	93	84	94	91	87
25	24	16	85	15	11	14
26	86	58	61	59	43	56
27	82	65	76	78	65	86
28	83	80	87	76	73	76
29	50	23	44	61	54	65
30	87	93	95	82	89	75

(lanjutan)

Panelis	Formulasi 2					
	Rasa (mm)	Aroma (mm)	Warna (mm)	Tekstur1 (Bagian Dalam) (mm)	Tekstur2 (Bagian Luar) (mm)	Keseluruhan
1	48	61	89	70	62	15
2	25	1	46	5	5	1
3	36	66	63	36	35	36
4	26	22	64	62	59	48
5	50	7	59	67	65	17
6	2	14	47	48	45	13
7	28	0	35	0	0	0
8	6	31	70	74	74	29
9	2	98	56	48	46	45
10	22	52	60	78	75	83
11	27	31	33	59	59	28
12	55	76	65	67	60	80
13	59	68	70	58	60	5
14	71	55	69	63	61	54
15	3	5	64	19	25	5
16	27	31	72	34	32	34
17	66	68	81	76	65	85
18	67	70	72	74	74	66
19	53	38	56	44	43	56
20	70	94	85	56	45	94
21	78	84	79	55	65	80
22	24	31	67	30	34	27

23	60	57	68	41	44	51
24	65	93	61	84	68	70
25	50	75	76	22	34	21
26	57	63	59	64	56	63
27	78	40	65	65	54	81
28	68	70	80	65	63	72
29	61	52	53	52	51	73
30	78	65	90	80	78	88

lanjutan)

Panelis	**Formulasi 3**					
	Rasa (mm)	**Aroma (mm)**	**Warna (mm)**	**Tekstur1 (Bagian Dalam) (mm)**	**Tekstur2 (Bagian Luar) (mm)**	**Keseluruhan**
1	21	19	84	51	45	50
2	1	2	48	4	6	3
3	11	16	52	35	32	25
4	11	3	48	47	39	32
5	50	3	91	34	23	48
6	10	5	49	49	32	48
7	23	0	28	62	54	0
8	25	0	89	55	45	0
9	4	50	47	45	43	4
10	0	31	78	23	32	0
11	41	30	30	64	58	31
12	57	34	89	55	45	83
13	57	57	60	59	58	58

14	60	55	54	59	56	48
15	45	5	56	4	5	6
16	25	25	34	33	25	40
17	72	48	80	49	41	63
18	56	67	67	60	58	42
19	49	43	42	46	45	42
20	76	97	67	55	57	53
21	75	85	84	66	58	65
22	36	59	60	32	34	6
23	48	39	50	48	44	55
24	65	93	84	76	60	77
25	50	19	49	11	20	28
26	64	64	65	62	60	61
27	68	40	90	76	56	67
28	75	74	78	70	46	65
29	57	33	52	53	52	51
30	50	50	70	73	76	55

Lampiran 5. Hasil Analisis Proksimat dan Kalsium

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

Kode Sampel	Ulangan	Kadar Air (%)	Kadar Abu (%)	Kadar Lemak (%)	Kadar Serat (%)	Kadar Protein (%)	Kadar Kalsium (%)
F0	1	70,37	0,82	10,02	0,21	14,44	7,83
	2	70,41	0,86	9,89	0,26	14,39	7,79
	Rata-rata	70,39	0,84	9,96	0,24	14,42	7,81
F1	1	69,83	0,89	9,35	0,19	14,01	7,97
	2	69,81	0,92	9,30	0,17	13,99	7,99
	Rata-rata	69,82	0,91	9,33	0,18	14,00	7,98
F2	1	68,99	0,98	8,77	0,13	13,56	8,08
	2	69,05	0,97	8,81	0,09	13,50	8,10
	Rata-rata	69,02	0,98	8,79	0,11	13,53	8,09
F3	1	68,76	1,01	8,11	0,07	13,11	8,19
	2	68,80	0,99	8,09	0,08	13,09	8,21
	Rata-rata	68,68	1,00	8,10	0,08	13,10	8,20

Jakarta, 2018

Laboratorium Terpadu UEU

Anjas Wilapangga, S.Si

Lampiran 6. Hasil Analisis *One Way* Anova Mutu Hedonik

Descriptives

RASA

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Rasa Tahu	F0	30	52.43	16.596	3.030	46.24	58.63	25	83
	F1	30	48.27	11.552	2.109	43.95	52.58	27	70
	F2	30	45.97	14.075	2.570	40.71	51.22	20	76
	F3	30	39.87	10.365	1.892	36.00	43.74	21	56
	Total	120	46.63	13.961	1.274	44.11	49.16	20	83

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Rasa Tahu	2.919	3	116	.037

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Rasa Tahu	Between Groups	2476.200	3	825.400	4.621	.004
	Within Groups	20717.667	116	178.601		
	Total	23193.867	119			

Multiple Comparisons

Bonferroni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Rasa Tahu	0	1	4.167	3.451	1.000	-5.10	13.43
		2	6.467	3.451	.381	-2.80	15.73

		3	12.567*	3.451	.002	3.30	21.83
	1	0	-4.167	3.451	1.000	-13.43	5.10
		2	2.300	3.451	1.000	-6.96	11.56
		3	8.400	3.451	.099	-.86	17.66
	2	0	-6.467	3.451	.381	-15.73	2.80
		1	-2.300	3.451	1.000	-11.56	6.96
		3	6.100	3.451	.478	-3.16	15.36
	3	0	-12.567*	3.451	.002	-21.83	-3.30
		1	-8.400	3.451	.099	-17.66	.86
		2	-6.100	3.451	.478	-15.36	3.16

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

Descriptives

AROMA

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Aroma	F0	30	69.80	8.759	1.599	66.53	73.07	55	87
	F1	30	63.80	15.867	2.897	57.88	69.72	34	98
	F2	30	50.90	23.803	4.346	42.01	59.79	21	89
	F3	30	46.57	21.905	3.999	38.39	54.75	12	89
	Total	120	57.77	20.597	1.880	54.04	61.49	12	98

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Aroma Tahu	12.349	3	116	.000

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Aroma Tahu	Between Groups	10613.800	3	3537.933	10.293	.000
	Within Groups	39871.667	116	343.721		
	Total	50485.467	119			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Aroma Tahu	0	1	6.000	4.787	1.000	-6.85	18.85
		2	18.900*	4.787	.001	6.05	31.75
		3	23.233*	4.787	.000	10.38	36.08
	1	0	-6.000	4.787	1.000	-18.85	6.85
		2	12.900*	4.787	.049	.05	25.75
		3	17.233*	4.787	.003	4.38	30.08
	2	0	-18.900*	4.787	.001	-31.75	-6.05
		1	-12.900*	4.787	.049	-25.75	-.05
		3	4.333	4.787	1.000	-8.52	17.18
	3	0	-23.233*	4.787	.000	-36.08	-10.38
		1	-17.233*	4.787	.003	-30.08	-4.38
		2	-4.333	4.787	1.000	-17.18	8.52

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

Descriptives

WARNA

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Warna Tahu	0	30	82.60	12.992	2.372	77.75	87.45	40	100
	1	30	74.77	15.431	2.817	69.00	80.53	45	100
	2	30	69.70	22.349	4.080	61.35	78.05	23	100
	3	30	57.27	13.955	2.548	52.06	62.48	24	79
	Total	120	71.08	18.810	1.717	67.68	74.48	23	100

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Warna Tahu	6.202	3	116	.001

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Warna Tahu	Between Groups	10170.433	3	3390.144	12.315	.000
	Within Groups	31932.733	116	275.282		
	Total	42103.167	119			

Multiple Comparisons

Bonferroni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Warna Tahu	0	1	7.833	4.284	.420	-3.67	19.33
		2	12.900*	4.284	.019	1.40	24.40
		3	25.333*	4.284	.000	13.83	36.83
	1	0	-7.833	4.284	.420	-19.33	3.67
		2	5.067	4.284	1.000	-6.43	16.57
		3	17.500*	4.284	.000	6.00	29.00
	2	0	-12.900*	4.284	.019	-24.40	-1.40
		1	-5.067	4.284	1.000	-16.57	6.43
		3	12.433*	4.284	.027	.93	23.93
	3	0	-25.333*	4.284	.000	-36.83	-13.83
		1	-17.500*	4.284	.000	-29.00	-6.00
		2	-12.433*	4.284	.027	-23.93	-.93

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

Descriptives

TEKSTUR 1

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Tekstur1 Tahu	0	30	75.47	17.475	3.190	68.94	81.99	24	99
	1	30	62.87	19.553	3.570	55.57	70.17	14	94
	2	30	60.20	16.637	3.037	53.99	66.41	27	94
	3	30	53.30	20.076	3.665	45.80	60.80	20	88
	Total	120	62.96	19.953	1.821	59.35	66.57	14	99

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Tekstur1 Tahu	.959	3	116	.415

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Tekstur1 Tahu	Between Groups	7720.758	3	2573.586	7.528	.000
	Within Groups	39658.033	116	341.880		
	Total	47378.792	119			

Multiple Comparisons

Bonferroni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tekstur1 Tahu	0	1	12.600	4.774	.057	-.21	25.41
		2	15.267*	4.774	.011	2.45	28.08
		3	22.167*	4.774	.000	9.35	34.98
	1	0	-12.600	4.774	.057	-25.41	.21
		2	2.667	4.774	1.000	-10.15	15.48
		3	9.567	4.774	.284	-3.25	22.38
	2	0	-15.267*	4.774	.011	-28.08	-2.45
		1	-2.667	4.774	1.000	-15.48	10.15
		3	6.900	4.774	.906	-5.91	19.71
	3	0	-22.167*	4.774	.000	-34.98	-9.35
		1	-9.567	4.774	.284	-22.38	3.25
		2	-6.900	4.774	.906	-19.71	5.91

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

Descriptives

TEKSTUR 2

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Tekstur2	0	30	65.40	15.639	2.855	59.56	71.24	30	97
	1	30	61.17	16.965	3.097	54.83	67.50	29	91
	2	30	57.70	20.980	3.830	49.87	65.53	16	89
	3	30	53.17	14.372	2.624	47.80	58.53	21	76
	Total	120	59.36	17.542	1.601	56.19	62.53	16	97

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Tekstur1 Tahu	1.995	3	116	.119

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Tekstur2	Between Groups	2425.758	3	808.586	2.743	.046
	Within Groups	34193.833	116	294.774		
	Total	36619.592	119			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tekstur2	0	1	4.233	4.433	1.000	-7.67	16.13
		2	7.700	4.433	.510	-4.20	19.60
		3	12.233*	4.433	.040	.33	24.13
	1	0	-4.233	4.433	1.000	-16.13	7.67
		2	3.467	4.433	1.000	-8.43	15.37
		3	8.000	4.433	.442	-3.90	19.90
	2	0	-7.700	4.433	.510	-19.60	4.20
		1	-3.467	4.433	1.000	-15.37	8.43
		3	4.533	4.433	1.000	-7.37	16.43
	3	0	-12.233*	4.433	.040	-24.13	-.33
		1	-8.000	4.433	.442	-19.90	3.90
		2	-4.533	4.433	1.000	-16.43	7.37

Lampiran 7. Analisis *One Way* Anova Hedonik

Descriptives

RASA

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Rasa Tahu	FO	30	58.10	18.365	3.353	51.24	64.96	24	99
	F1	30	53.80	25.018	4.568	44.46	63.14	16	98
	F2	30	45.40	24.349	4.445	36.31	54.49	2	78
	F3	30	42.73	23.954	4.373	33.79	51.68	0	76
	Total	120	50.01	23.619	2.156	45.74	54.28	0	99

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Rasa Tahu	3.126	3	116	.029

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Rasa Tahu	Between Groups	4620.425	3	1540.142	2.893	.038
	Within Groups	61764.567	116	532.453		
	Total	66384.992	119			

Multiple Comparisons

Bonferroni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Rasa Tahu	FO	F1	4.300	5.958	1.000	-11.69	20.29

		F2	12.700	5.958	.211	-3.29	28.69
		F3	15.367	5.958	.067	-.63	31.36
	F1	FO	-4.300	5.958	1.000	-20.29	11.69
		F2	8.400	5.958	.967	-7.59	24.39
		F3	11.067	5.958	.395	-4.93	27.06
	F2	FO	-12.700	5.958	.211	-28.69	3.29
		F1	-8.400	5.958	.967	-24.39	7.59
		F3	2.667	5.958	1.000	-13.33	18.66
	F3	FO	-15.367	5.958	.067	-31.36	.63
		F1	-11.067	5.958	.395	-27.06	4.93
		F2	-2.667	5.958	1.000	-18.66	13.33

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

Descriptives

WARNA

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Warna Tahu	FO	30	66.27	21.773	3.975	58.14	74.40	26	99
	F1	30	51.37	29.833	5.447	40.23	62.51	0	98
	F2	30	50.60	28.393	5.184	40.00	61.20	0	98
	F3	30	38.20	28.392	5.184	27.60	48.80	0	97
	Total	120	51.61	28.725	2.622	46.42	56.80	0	99

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Warna Tahu	1.525	3	116	.212

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.

Warna Tahu	Between Groups	11871.758	3	3957.253	5.318	.002
	Within Groups	86314.833	116	744.093		
	Total	98186.592	119			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Warna Tahu	FO	F1	14.900	7.043	.219	-4.01	33.81
		F2	15.667	7.043	.168	-3.24	34.57
		F3	28.067*	7.043	.001	9.16	46.97
	F1	FO	-14.900	7.043	.219	-33.81	4.01
		F2	.767	7.043	1.000	-18.14	19.67
		F3	13.167	7.043	.385	-5.74	32.07
	F2	FO	-15.667	7.043	.168	-34.57	3.24
		F1	-.767	7.043	1.000	-19.67	18.14
		F3	12.400	7.043	.486	-6.51	31.31
	F3	FO	-28.067*	7.043	.001	-46.97	-9.16
		F1	-13.167	7.043	.385	-32.07	5.74
		F2	-12.400	7.043	.486	-31.31	6.51

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

Descriptives

AROMA

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Aroma Tahu	FO	30	74.73	17.579	3.210	68.17	81.30	46	100
	F1	30	65.43	16.577	3.027	59.24	71.62	34	99
	F2	30	65.13	13.908	2.539	59.94	70.33	33	90
	F3	30	62.50	18.807	3.434	55.48	69.52	28	91
	Total	120	66.95	17.242	1.574	63.83	70.07	28	100

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Aroma Tahu	2.241	3	116	.087

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Aroma Tahu	Between Groups	2579.500	3	859.833	3.041	.032
	Within Groups	32798.200	116	282.743		
	Total	35377.700	119			

Multiple Comparisons

Bonferroni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Aroma Tahu	FO	F1	9.300	4.342	.206	-2.35	20.95
		F2	9.600	4.342	.174	-2.05	21.25

		F3	12.233*	4.342	.034	.58	23.89
	F1	FO	-9.300	4.342	.206	-20.95	2.35
		F2	.300	4.342	1.000	-11.35	11.95
		F3	2.933	4.342	1.000	-8.72	14.59
	F2	FO	-9.600	4.342	.174	-21.25	2.05
		F1	-.300	4.342	1.000	-11.95	11.35
		F3	2.633	4.342	1.000	-9.02	14.29
	F3	FO	-12.233*	4.342	.034	-23.89	-.58
		F1	-2.933	4.342	1.000	-14.59	8.72
		F2	-2.633	4.342	1.000	-14.29	9.02

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

Descriptives

TEKSTUR 1

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Tekstur1 Tahu	FO	30	65.10	20.770	3.792	57.34	72.86	29	99
	F1	30	54.10	25.866	4.722	44.44	63.76	0	94
	F2	30	53.20	21.779	3.976	45.07	61.33	0	84
	F3	30	48.53	19.419	3.545	41.28	55.78	4	76
	Total	120	55.23	22.647	2.067	51.14	59.33	0	99

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Tekstur1 Tahu	1.908	3	116	.132

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Tekstur1 Tahu	Between Groups	4429.800	3	1476.600	3.026	.032
	Within Groups	56603.667	116	487.963		
	Total	61033.467	119			

Multiple Comparisons

Bonferroni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tekstur1 Tahu	FO	F1	11.000	5.704	.337	-4.31	26.31
		F2	11.900	5.704	.235	-3.41	27.21
		F3	16.567*	5.704	.026	1.26	31.88
	F1	FO	-11.000	5.704	.337	-26.31	4.31
		F2	.900	5.704	1.000	-14.41	16.21
		F3	5.567	5.704	1.000	-9.74	20.88
	F2	FO	-11.900	5.704	.235	-27.21	3.41
		F1	-.900	5.704	1.000	-16.21	14.41
		F3	4.667	5.704	1.000	-10.64	19.98
	F3	FO	-16.567*	5.704	.026	-31.88	-1.26
		F1	-5.567	5.704	1.000	-20.88	9.74
		F2	-4.667	5.704	1.000	-19.98	10.64

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

Descriptives

TEKSTUR 2

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Tekst	FO	30	62.90	18.244	3.331	56.09	69.71	26	97

ur2 Tahu	F1	30	52.13	24.611	4.493	42.94	61.32	4	91
	F2	30	51.23	19.231	3.511	44.05	58.41	0	78
	F3	30	43.50	16.454	3.004	37.36	49.64	5	76
	Total	120	52.44	20.808	1.899	48.68	56.20	0	97

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Tekstur2 Tahu	2.697	3	116	.049

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Tekstur2 Tahu	Between Groups	5726.558	3	1908.853	4.835	.003
	Within Groups	45795.033	116	394.785		
	Total	51521.592	119			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tekstur2 Tahu	FO	F1	10.767	5.130	.228	-3.00	24.54
		F2	11.667	5.130	.149	-2.10	25.44
		F3	19.400*	5.130	.001	5.63	33.17
	F1	FO	-10.767	5.130	.228	-24.54	3.00
		F2	.900	5.130	1.000	-12.87	14.67
		F3	8.633	5.130	.571	-5.14	22.40
	F2	FO	-11.667	5.130	.149	-25.44	2.10
		F1	-.900	5.130	1.000	-14.67	12.87
		F3	7.733	5.130	.807	-6.04	21.50

	F3	FO	-19.400*	5.130	.001	-33.17	-5.63
		F1	-8.633	5.130	.571	-22.40	5.14
		F2	-7.733	5.130	.807	-21.50	6.04

Descriptives

KESELURUHAN

						95% Confidence Interval for Mean			
		N	Mean	Std. Deviation	Std. Error	Lower Bound	Upper Bound	Minimum	Maximum
Keseluruhan Tahu	FO	30	61.57	26.697	4.874	51.60	71.54	1	99
	F1	30	49.30	28.714	5.242	38.58	60.02	0	99
	F2	30	47.33	29.678	5.418	36.25	58.42	0	94
	F3	30	40.20	24.789	4.526	30.94	49.46	0	83
	Total	120	49.60	28.262	2.580	44.49	54.71	0	99

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Keseluruhan Tahu	.697	3	116	.556

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Keseluruhan Tahu	Between Groups	7103.667	3	2367.889	3.123	.029
	Within Groups	87943.133	116	758.130		
	Total	95046.800	119			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Keseluruhan Tahu	FO	F1	12.267	7.109	.523	-6.82	31.35
		F2	14.233	7.109	.286	-4.85	33.32
		F3	21.367*	7.109	.020	2.28	40.45
	F1	FO	-12.267	7.109	.523	-31.35	6.82
		F2	1.967	7.109	1.000	-17.12	21.05
		F3	9.100	7.109	1.000	-9.98	28.18
	F2	FO	-14.233	7.109	.286	-33.32	4.85
		F1	-1.967	7.109	1.000	-21.05	17.12
		F3	7.133	7.109	1.000	-11.95	26.22
	F3	FO	-21.367*	7.109	.020	-40.45	-2.28
		F1	-9.100	7.109	1.000	-28.18	9.98
		F2	-7.133	7.109	1.000	-26.22	11.95

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

LAMPIRAN 8. Hasil Analisis One Way Anova Nilai Gizi

Descriptives

KARBOHIDRAT

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Karbohidrat	FO	2	4.4000	.07071	.05000	3.7647	5.0353	4.35	4.45
	F1	2	5.9500	.04243	.03000	5.5688	6.3312	5.92	5.98
	F2	2	7.6850	.02121	.01500	7.4944	7.8756	7.67	7.70
	F3	2	9.0200	.01414	.01000	8.8929	9.1471	9.01	9.03
	Total	8	6.7638	1.86644	.65989	5.2034	8.3241	4.35	9.03

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Karbohidrat	Between Groups	24.378	3	8.126	4362.906	.000
	Within Groups	.007	4	.002		
	Total	24.385	7			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Karbohidrat	FO	F1	-1.55000*	.04316	.000	-1.7594	-1.3406
		F2	-3.28500*	.04316	.000	-3.4944	-3.0756
		F3	-4.62000*	.04316	.000	-4.8294	-4.4106
	F1	FO	1.55000*	.04316	.000	1.3406	1.7594

		F2	-1.73500*	.04316	.000	-1.9444	-1.5256
		F3	-3.07000*	.04316	.000	-3.2794	-2.8606
	F2	FO	3.28500*	.04316	.000	3.0756	3.4944
		F1	1.73500*	.04316	.000	1.5256	1.9444
		F3	-1.33500*	.04316	.000	-1.5444	-1.1256
	F3	FO	4.62000*	.04316	.000	4.4106	4.8294
		F1	3.07000*	.04316	.000	2.8606	3.2794
		F2	1.33500*	.04316	.000	1.1256	1.5444

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

Descriptives

Protein

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Protein	FO	2	14.4150	.03536	.02500	14.0973	14.7327	14.39	14.44
	F1	2	14.0000	.01414	.01000	13.8729	14.1271	13.99	14.01
	F2	2	13.5300	.04243	.03000	13.1488	13.9112	13.50	13.56
	F3	2	13.1000	.01414	.01000	12.9729	13.2271	13.09	13.11
	Total	8	13.7613	.52830	.18678	13.3196	14.2029	13.09	14.44

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Protein	Between Groups	1.950	3	.650	753.715	.000
	Within Groups	.003	4	.001		
	Total	1.954	7			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Protein	FO	F1	.41500*	.02937	.001	.2725	.5575
		F2	.88500*	.02937	.000	.7425	1.0275
		F3	1.31500*	.02937	.000	1.1725	1.4575
	F1	FO	-.41500*	.02937	.001	-.5575	-.2725
		F2	.47000*	.02937	.001	.3275	.6125
		F3	.90000*	.02937	.000	.7575	1.0425
	F2	FO	-.88500*	.02937	.000	-1.0275	-.7425
		F1	-.47000*	.02937	.001	-.6125	-.3275
		F3	.43000*	.02937	.001	.2875	.5725
	F3	FO	-1.31500*	.02937	.000	-1.4575	-1.1725
		F1	-.90000*	.02937	.000	-1.0425	-.7575
		F2	-.43000*	.02937	.001	-.5725	-.2875

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

Descriptives

Lemak

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Lemak	FO	2	9.9550	.09192	.06500	9.1291	10.7809	9.89	10.02
	F1	2	9.3250	.03536	.02500	9.0073	9.6427	9.30	9.35
	F2	2	8.7900	.02828	.02000	8.5359	9.0441	8.77	8.81
	F3	2	8.1000	.01414	.01000	7.9729	8.2271	8.09	8.11
	Total	8	9.0425	.73092	.25842	8.4314	9.6536	8.09	10.02

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Lemak	Between Groups	3.729	3	1.243	464.679	.000
	Within Groups	.011	4	.003		
	Total	3.740	7			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Lemak	FO	F1	.63000*	.05172	.002	.3791	.8809
		F2	1.16500*	.05172	.000	.9141	1.4159
		F3	1.85500*	.05172	.000	1.6041	2.1059
	F1	FO	-.63000*	.05172	.002	-.8809	-.3791
		F2	.53500*	.05172	.003	.2841	.7859
		F3	1.22500*	.05172	.000	.9741	1.4759
	F2	FO	-1.16500*	.05172	.000	-1.4159	-.9141
		F1	-.53500*	.05172	.003	-.7859	-.2841
		F3	.69000*	.05172	.001	.4391	.9409
	F3	FO	-1.85500*	.05172	.000	-2.1059	-1.6041
		F1	-1.22500*	.05172	.000	-1.4759	-.9741
		F2	-.69000*	.05172	.001	-.9409	-.4391

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

Descriptives

Serat

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Serat	FO	2	.2350	.03536	.02500	-.0827	.5527	.21	.26
	F1	2	.1800	.01414	.01000	.0529	.3071	.17	.19
	F2	2	.1100	.02828	.02000	-.1441	.3641	.09	.13
	F3	2	.0750	.00707	.00500	.0115	.1385	.07	.08
	Total	8	.1500	.06866	.02428	.0926	.2074	.07	.26

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Serat	Between Groups	.031	3	.010	17.797	.009
	Within Groups	.002	4	.001		
	Total	.033	7			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Serat	FO	F1	.05500	.02398	.501	-.0613	.1713
		F2	.12500*	.02398	.039	.0087	.2413
		F3	.16000*	.02398	.016	.0437	.2763
	F1	FO	-.05500	.02398	.501	-.1713	.0613
		F2	.07000	.02398	.260	-.0463	.1863
		F3	.10500	.02398	.071	-.0113	.2213
	F2	FO	-.12500*	.02398	.039	-.2413	-.0087

		F1	-.07000	.02398	.260	-.1863	.0463
		F3	.03500	.02398	1.000	-.0813	.1513
	F3	FO	-.16000*	.02398	.016	-.2763	-.0437
		F1	-.10500	.02398	.071	-.2213	.0113
		F2	-.03500	.02398	1.000	-.1513	.0813

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

Descriptives

Kadar Air

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Kadar Air	FO	2	70.3900	.02828	.02000	70.1359	70.6441	70.37	70.41
	F1	2	69.8200	.01414	.01000	69.6929	69.9471	69.81	69.83
	F2	2	69.0200	.04243	.03000	68.6388	69.4012	68.99	69.05
	F3	2	68.7800	.02828	.02000	68.5259	69.0341	68.76	68.80
	Total	8	69.5025	.68558	.24239	68.9293	70.0757	68.76	70.41

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
KadarAir	Between Groups	3.287	3	1.096	1217.241	.000
	Within Groups	.004	4	.001		
	Total	3.290	7			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
KadarAir	FO	F1	.57000*	.03000	.000	.4245	.7155

		F2	1.37000*	.03000	.000	1.2245	1.5155
		F3	1.61000*	.03000	.000	1.4645	1.7555
	F1	FO	-.57000*	.03000	.000	-.7155	-.4245
		F2	.80000*	.03000	.000	.6545	.9455
		F3	1.04000*	.03000	.000	.8945	1.1855
	F2	FO	-1.37000*	.03000	.000	-1.5155	-1.2245
		F1	-.80000*	.03000	.000	-.9455	-.6545
		F3	.24000*	.03000	.008	.0945	.3855
	F3	FO	-1.61000*	.03000	.000	-1.7555	-1.4645
		F1	-1.04000*	.03000	.000	-1.1855	-.8945
		F2	-.24000*	.03000	.008	-.3855	-.0945

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

Descriptives

Kadar Abu

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Kadar Abu	FO	2	.8400	.02828	.02000	.5859	1.0941	.82	.86
	F1	2	.9050	.02121	.01500	.7144	1.0956	.89	.92
	F2	2	.9750	.00707	.00500	.9115	1.0385	.97	.98
	F3	2	1.0000	.01414	.01000	.8729	1.1271	.99	1.01
	Total	8	.9300	.06845	.02420	.8728	.9872	.82	1.01

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
KadarAbu	Between Groups	.031	3	.010	27.822	.004
	Within Groups	.002	4	.000		
	Total	.033	7			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
KadarAbu	FO	F1	-.06500	.01936	.170	-.1589	.0289
		F2	-.13500*	.01936	.013	-.2289	-.0411
		F3	-.16000*	.01936	.007	-.2539	-.0661
	F1	FO	.06500	.01936	.170	-.0289	.1589
		F2	-.07000	.01936	.135	-.1639	.0239
		F3	-.09500*	.01936	.048	-.1889	-.0011
	F2	FO	.13500*	.01936	.013	.0411	.2289
		F1	.07000	.01936	.135	-.0239	.1639
		F3	-.02500	.01936	1.000	-.1189	.0689
	F3	FO	.16000*	.01936	.007	.0661	.2539
		F1	.09500*	.01936	.048	.0011	.1889
		F2	.02500	.01936	1.000	-.0689	.1189

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

Descriptives

Kalsium

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Kalsium	FO	2	7.8100	.02828	.02000	7.5559	8.0641	7.79	7.83
	F1	2	7.9800	.01414	.01000	7.8529	8.1071	7.97	7.99
	F2	2	8.0900	.01414	.01000	7.9629	8.2171	8.08	8.10
	F3	2	8.2000	.01414	.01000	8.0729	8.3271	8.19	8.21
	Total	8	8.0200	.15464	.05467	7.8907	8.1493	7.79	8.21

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Kalsium	Between Groups	.166	3	.055	158.095	.000
	Within Groups	.001	4	.000		
	Total	.167	7			

Multiple Comparisons

Bonferoni

Dependent Variable	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Kalsium	FO	F1	-.17000*	.01871	.005	-.2608	-.0792
		F2	-.28000*	.01871	.001	-.3708	-.1892
		F3	-.39000*	.01871	.000	-.4808	-.2992
	F1	FO	.17000*	.01871	.005	.0792	.2608
		F2	-.11000*	.01871	.025	-.2008	-.0192
		F3	-.22000*	.01871	.002	-.3108	-.1292

	F2	FO	.28000*	.01871	.001	.1892	.3708
		F1	.11000*	.01871	.025	.0192	.2008
		F3	-.11000*	.01871	.025	-.2008	-.0192
	F3	FO	.39000*	.01871	.000	.2992	.4808
		F1	.22000*	.01871	.002	.1292	.3108
		F2	.11000*	.01871	.025	.0192	.2008

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

LAMPIRAN 9. Dokumentasi Pembuatan Tahu

1. Pembuatan tepung tulang ikan

2. Pemuatan tahu dengan penambahan tepung tulang ikan

Lampiran 10. Dokumentasi Uji Organoleptik




Lampiran 11. Perhitungan Nilai Gizi

1. Perhitungan Nilai Gizi Tahu F0

   a. Tahu F0 per 100 gr :

Kadar Air	70,39 %
Kadar Abu	0,84 %
Kadar Protein	14,42 %
Kadar Lemak	9,96 %
Kadar KH	4,40 %
Kadar Serat	0,24 %
Kadar Kalsium	7,81 %

   b. Jumlah Kalori dalam 200 gr tahu :

- Protein = $\frac{14,42}{100}$ x 200 gr = 28,84 gr
  = 28,84 x 4 = 115,36
- Lemak = $\frac{9,96}{100}$ x 200 gr = 19,92 gr
  = 19,92 x 9 = 179,28
- KH = $\frac{4,40}{100}$ x 200 gr = 8,8 gr
  = 8,8 gr x 4 = 35,2
- Serat = $\frac{0,24}{100}$ x 200 gr = 0,48 gr
  = 0,48 x 2 = 0,96
- Kalsium = $\frac{7,81}{100}$ x 200 gr = 15,62 gr

   c. AKG 2000 kkal :

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

   d. AKG pada tahu :

- Protein = $\frac{115,36}{300}$ x 100% = 38,45

- Lemak = $\frac{179,28}{300}$ x 100% = 59,76
- Kh = $\frac{35,2}{1200}$ x 100% = 2,93

2. Perhitungan Nilai Gizi Tahu F1

a. Tahu F1 per 100 gr :

Kadar Air	69,82 %
Kadar Abu	0,91 %
Kadar Protein	14,00 %
Kadar Lemak	9,33 %
Kadar KH	5,94 %
Kadar Serat	0,18 %
Kadar Kalsium	7,98 %

b. Jumlah Kalori dalam 200 gr tahu :

- KH = $\frac{5,94}{100}$ x 200 gr = 11,88 gr
  = 11,88 x 4 = 47,52
- Protein = $\frac{14,00}{100}$x 200 gr = 28 gr
  = 28 x 4 = 112
- Lemak = $\frac{9,33}{100}$x 200 ml = 18,66 gr
  = 18,66 x 9 = 167,94
- Serat = $\frac{0,18}{100}$x 200 ml = 0,36gr
  = 0,36 x 2 = 0,72
- .Kalsium = $\frac{7,98}{100}$x 200 ml = 15,96 gr

c. AKG 2000 kkal :

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

d. AKG pada tahu :

- Protein = $\frac{112}{300}$ x 100% = 37,33 %
- Lemak = $\frac{167,94}{300}$ x 100% = 55,98 %
- Kh = $\frac{47,52}{1200}$ x 100% = 3,96 %

3. Perhitungan Nilai Gizi Tahu F2

a. Tahu F2 per 100 gr :

Kadar Air	69,02 %
Kadar Abu	0,98 %
Kadar Protein	13,53 %
Kadar Lemak	8,79 %
Kadar KH	7,69 %
Kadar Serat	0,11 %
Kadar Kalsium	8,09 %

b. Jumlah Kalori dalam 200 gr tahu :

- KH = $\frac{7,69}{100}$ x 200 gr = 15,38 gr
  = 15,38 x 4 = 61,52
- Protein = $\frac{13,53}{100}$x 200 gr = 27,06 gr
  = 27,06 x 4 = 108,24
- Lemak = $\frac{8,79}{100}$x 200 ml = 17,58gr
  = 17,58 x 9 = 158,22
- Serat = $\frac{0,11}{100}$x 200 ml = 0,22 gr
  = 0,22 x 2 = 0,44
- Kalsium = $\frac{8,09}{100}$x 200 ml = 16,18gr

c. AKG 2000 kkal :

- Protein = 10-15% (15% x 2000 kkal) = 300 kkal
- Lemak = 10-15% (15% x 2000 kkal) = 300 kkal

- KH = 60-75% (70% x 2000 kkal) = 1200 kkal

d. AKG pada tahu :

- Protein = $\frac{108,24}{300}$ x 100% = 36,08 %
- Lemak = $\frac{158,22}{300}$ x 100% = 52,74 %
- Kh = $\frac{61,52}{1200}$ x 100% = 5,12 %

4. Perhitungan Nilai Gizi Tahu F3

a. Tahu F3 per 100 gr :

Kadar Air	68.68 %
Kadar Abu	1,00 %
Kadar Protein	13,10 %
Kadar Lemak	8,10 %
Kadar KH	9,02 %
Kadar Serat	0,08 %
Kadar Kalsium	8,20 %

b. Jumlah Kalori dalam 200 gr tahu :

- KH = $\frac{9,02}{100}$ x 200 gr = 18,04 gr
  = 18,04 x 4 = 72,16
- Protein = $\frac{13,10}{100}$ x 200 gr = 26,2 gr
  = 26,2 x 4 = 104,8
- Lemak = $\frac{8,10}{100}$ x 200 gr = 16,2 gr
  = 16,2 x 9 = 145,8
- Serat = $\frac{0,08}{100}$ x 200 gr = 0,16gr
  = 0,16 x 2 = 0,32
- Kalsium = $\frac{8,20}{100}$ x 200 gr = 16,4 gr

c. AKG 2000 kkal :

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

d. AKG pada tahu :

- Protein = $\frac{104,8}{300}$ x 100% = 34,93 %
- Lemak = $\frac{145,8}{300}$ x 100% = 48,6 %
- Kh = $\frac{72,16}{1200}$ x 100% = 6,01 %

Lampiran 12. Informasi Nilai Gizi

INFORMASI NILAI GIZI / ***NUTRITION FACTS***			
Takaran Saji 200 g / *Serving Size : 200 g*			
Jumlah Sajian Per Kemasan / *Serving Size Per Pack : 1*			
JUMLAH PER SAJIAN / AMOUNT PER SERVING			
Energi Total	**327 kkal**	Energi dari lemak 168 kkal	
Calories	***327 kcal***	*Calories from Fat 168 kcal*	
			%AKG*
Lemak / *Fat*		**19 g**	**56 %**
Protein / *Protein*		**28 g**	**37 %**
Karbohidrat / *Carbohydrate*		**12 g**	**4 %**
Kalsium / *Calcium*		**16 g**	**-**

- Persen AKG berdasarkan kebutuhan energi 2000 kkal. Kebutuhan energI anda mungkin lebih tinggi atau lebih rendah.
- *Percent Daily Values are based on a 2000 calories diet. Your daily values may be higher or lower depending on your calorie needs.*

Lampiran 13. Logo Produk Tahu