

LAMPIRAN

Lampiran 1. Lembar Persetujuan Panelis : *Semi Terlatih* Uji Hedonik dan Uji Mutu Hedonik



LEMBAR PERSETUJUAN SEBAGAI PANELIS

Perkenalkan nama saya Fajria Arnesya Maharani, saya adalah Mahasiswa Program Studi Ilmu Gizi, Fakultas Ilmu-Ilmu Kesehatan, Universitas Esa Unggul. Saat ini sedang melakukan pengambilan data untuk uji hedonik dan mutu hedonik pada produk biskuit *maggot*. Kegiatan ini dilakukan untuk melengkapi data skripsi yang menjadi salah satu syarat dalam memperoleh gelar sarjana gizi. Oleh karena itu, saya mohon kesediaan waktu saudara/i sebagai panelis semi terlatih. Perlu saya informasikan keikutsertaan saudara/i sebagai panelis semi terlatih ini bersifat sukarela dan tentu kerahasiaan data akan saya jaga dengan baik.

Inform Consent :

Setelah saya mendapat penjelasan mengenai tujuan dan manfaat data tersebut. Dengan ini saya :

Nama :

Alamat Lengkap :

No. Hp :

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

Jakarta, 10 Agustus 2022

Panelis

Peneliti

()

(Fajria Arnesya Maharani)

Formulir Uji Mutu Hedonik

Kode Panelis:

Formulasi :

Nama Panelis:

Tanggal :

Dihadapan saudara disajikan sampel biskuit. Berikan penilaian saudara terhadap warna, aroma, tekstur, rasa produk dengan ketentuan sebagai berikut:

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

Warna biskuit

Pucat

Kecoklatan



Aroma biskuit

Beraroma tengik

Beraroma biskuit



Tekstur biskuit

Keras

Renyah



Rasa biskuit

Sangat Manis

Manis



Keseluruhan biskuit

Tidak Menarik

Menarik



Komentar:

Formulir Uji Hedonik

Formulasi :

Nama Panelis:

Tanggal :

Dihadapan saudara disajikan sampel biskuit. Berikan penilaian saudara terhadap keseluruhan produk dengan ketentuan sebagai berikut:

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

Warna biskuit

Amat Sangat Tidak Suka

Amat Sangat Suka



Aroma biskuit

Amat Sangat Tidak Suka

Amat Sangat Suka



Tekstur biskuit

Amat Sangat Tidak Suka

Amat Sangat Suka



Rasa biskuit

Amat Sangat Tidak Suka

Amat Sangat Suka



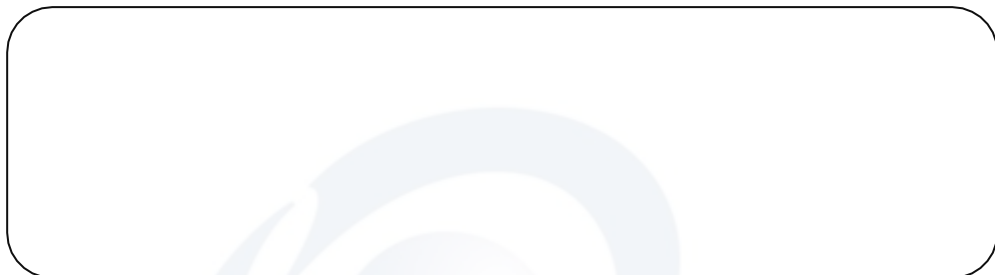
Keseluruhan biskuit

Amat Sangat Tidak Suka

Amat Sangat Suka



Komentar:



Lampiran 2. Lembar Persetujuan Panelis : Konsumen



LEMBAR PERSETUJUAN SEBAGAI PANELIS

Perkenalkan nama saya Fajria Arnesya Maharani, saya adalah Mahasiswa Program Studi Ilmu Gizi, Fakultas Ilmu-Ilmu Kesehatan, Universitas Esa Unggul. Saat ini sedang melakukan pengambilan data untuk uji hedonik pada produk biskuit maggot. Kegiatan ini dilakukan untuk melengkapi data skripsi yang menjadi salah satu syarat dalam memperoleh gelar sarjana gizi. Oleh karena itu, saya mohon kesediaan waktu saudara/i sebagai panelis konsumen. Perlu saya informasikan keikutsertaan saudara/i sebagai panelis konsumen ini bersifat sukarela dan tentu kerahasiaan data akan saya jaga dengan baik

Inform Consent :

Setelah saya mendapat penjelasan mengenai tujuan dan manfaat data tersebut.

Dengan ini saya :

Nama Universitas :

Alamat Lengkap :

Nomor Hp :

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

Jakarta, 23 Agustus 2022

Panelis

Peneliti

()

(Fajria Arnesya Maharani)

Formulir Uji Hedonik

FORMULIR PENILAIAN UJI HEDONIK

Nama Panelis :

Tanggal Pengujian :

Di hadapan Anda disajikan sampel biskuit dengan penambahan tepung *maggot* dan *whey protein isolate*. Berikan penilaian Anda terhadap keseluruhan produk dengan

ketentuan sebagai berikut :

1. Berikanlah penilaian Anda terhadap tingkat kesukaan keseluruhan sampel dengan mengisi kotak kosong sesuai dengan pilihan dan kriteria yang tersedia dibawah.
2. Silakan minum atau berkumur terlebih dahulu sebelum Anda mencoba dan menilai sampel yang diberikan, berlaku juga sebelum Anda ingin mencoba formula selanjutnya.

Keterangan :

Sangat Suka = 5

Suka = 4

Agak Suka = 3

Tidak Suka = 2

Sangat Tidak Suka = 1

No	Kriteria	Sampel			
		F0	F1	F2	F3
1	Warna				
2	Aroma				
3	Tekstur				
4	Rasa				
5	Keseluruhan				

Lampiran 3. Dokumentasi Uji Hedonik Pendahuluan



Lampiran 4. Hasil Uji Pendahuluan Hedonik

No.	Panelis	Uji Hedonik			
		Rasa			
		Putih (F0)	Kuning (F1)	Pink (F2)	Hijau (F3)
1	RH	2	3	2	3
2	PA	3	2	3	3
3	SP	2	3	3	3
4	ER	1	3	3	2
5	IS	4	3	2	4
6	A	2	3	3	3
7	A	3	3	2	3
8	R	3	3	3	3
9	EP	3	3	4	3
10	NF	3	2	3	3
11	M	3	3	3	3
12	DH	3	3	2	3
13	N	2	3	3	2
14	M	2	2	3	3
15	PP	4	3	3	3
16	J	3	4	3	3
17	H	2	3	3	3
18	YT	2	3	3	3
19	RS	3	3	3	3
20	Y	3	3	2	3
21	M	1	3	2	2
22	S	4	4	3	3
23	MJ	1	4	3	3
24	I	4	3	3	3
25	ES	3	4	3	3
26	TS	3	3	2	3
27	AS	3	3	2	3
28	MI	1	4	3	3
29	R	3	4	3	3
30	S	3	3	3	3
31	SK	1	3	2	1
32	IM	2	4	3	1
33	H	2	2	3	2

No.	Panelis	Uji Hedonik			
		Rasa			
		Putih (F0)	Kuning (F1)	Pink (F2)	Hijau (F3)
34	SR	3	3	3	3
35	NA	3	3	3	3
36	HA	3	2	3	3
37	S	2	3	3	3
38	SW	3	3	3	3
39	NH	2	4	3	3
40	AA	2	3	3	4
41	M	4	3	3	3
42	EA	2	2	3	3
43	RG	3	3	3	3
44	EY	2	3	4	3
45	EJ	3	3	2	3
46	AN	3	3	3	3
47	MF	3	3	3	3
48	YS	3	3	3	4
49	A	3	3	3	3
50	H	3	2	3	3
Total		131	151	142	145

No.	Panelis	Uji Hedonik			
		Warna			
		Putih (F0)	Kuning (F1)	Pink (F2)	Hijau (F3)
1	RH	3	3	2	3
2	PA	3	2	3	2
3	SP	3	2	2	2
4	ER	2	2	3	3
5	IS	4	3	3	3
6	A	4	3	3	2
7	A	3	3	2	3
8	R	3	3	3	3
9	EP	3	3	3	3
10	NF	4	3	3	3
11	M	3	3	3	3
12	DH	3	3	3	3

No.	Panelis	Uji Hedonik			
		Warna			
		Putih (F0)	Kuning (F1)	Pink (F2)	Hijau (F3)
13	N	3	3	3	2
14	M	3	3	3	3
15	PP	4	3	3	3
16	J	3	3	3	3
17	H	3	3	3	3
18	YT	3	2	3	3
19	RS	3	3	3	3
20	Y	3	3	3	3
21	M	3	3	3	3
22	S	4	4	3	3
23	MJ	2	4	3	3
24	I	3	3	3	3
25	ES	3	4	3	3
26	TS	3	3	3	3
27	AS	2	3	3	2
28	MI	3	3	3	2
29	R	2	3	3	3
30	S	3	2	2	3
31	SK	3	2	2	1
32	IM	3	4	2	2
33	H	3	2	3	2
34	SR	3	3	3	3
35	NA	2	3	3	3
36	HA	3	3	3	3
37	S	2	3	3	2
38	SW	3	2	3	2
39	NH	2	3	3	2
40	AA	2	3	3	4
41	M	3	3	3	3
42	EA	1	3	4	4
43	RG	3	3	3	3
44	EY	3	3	3	3
45	EJ	3	3	2	3
46	AN	3	3	3	3
47	MF	3	3	3	3
48	YS	3	3	3	4

No.	Panelis	Uji Hedonik			
		Warna			
		Putih (F0)	Kuning (F1)	Pink (F2)	Hijau (F3)
49	A	3	3	3	3
50	H	3	2	3	3
Total		145	145	144	140

No.	Panelis	Uji Hedonik			
		Aroma			
		Putih (F0)	Kuning (F1)	Pink (F2)	Hijau (F3)
1	RH	3	3	3	4
2	PA	3	4	4	3
3	SP	3	3	3	3
4	ER	2	3	2	3
5	IS	3	3	2	3
6	A	2	3	3	3
7	A	3	3	2	2
8	R	3	2	3	3
9	EP	3	3	3	3
10	NF	3	3	3	3
11	M	3	3	3	3
12	DH	3	3	3	3
13	N	2	3	3	2
14	M	2	2	4	3
15	PP	4	3	3	3
16	J	3	3	3	3
17	H	2	3	2	3
18	YT	3	3	3	3
19	RS	3	3	2	3
20	Y	3	3	3	3
21	M	3	4	3	3
22	S	4	4	3	3
23	MJ	3	4	3	3
24	I	4	3	3	3
25	ES	3	4	4	3
26	TS	3	3	2	3

No.	Panelis	Uji Hedonik			
		Aroma			
		Putih (F0)	Kuning (F1)	Pink (F2)	Hijau (F3)
27	AS	2	3	3	3
28	MI	3	3	3	2
29	R	2	3	3	4
30	S	3	3	3	1
31	SK	3	3	2	2
32	IM	4	3	3	2
33	H	2	2	3	2
34	SR	3	3	3	3
35	NA	2	2	2	3
36	HA	3	2	3	3
37	S	2	2	3	3
38	SW	3	3	3	3
39	NH	4	4	3	4
40	AA	2	3	3	4
41	M	4	3	3	3
42	EA	2	2	3	3
43	RG	3	3	3	3
44	EY	2	3	4	3
45	EJ	3	3	2	3
46	AN	3	3	3	3
47	MF	3	3	3	3
48	YS	3	3	3	4
49	A	3	3	3	3
50	H	3	3	3	3
Total		143	149	145	147

No.	Panelis	Uji Hedonik			
		Tekstur			
		Putih (F0)	Kuning (F1)	Pink (F2)	Hijau (F3)
1	RH	3	3	3	3
2	PA	3	3	2	2
3	SP	2	3	3	3

No.	Panelis	Uji Hedonik			
		Tekstur			
		Putih (F0)	Kuning (F1)	Pink (F2)	Hijau (F3)
4	ER	3	3	3	3
5	IS	3	3	2	3
6	A	2	2	2	2
7	A	3	3	3	3
8	R	3	3	3	3
9	EP	3	3	3	3
10	NF	3	3	3	3
11	M	2	3	3	3
12	DH	3	3	3	3
13	N	3	3	3	3
14	M	3	2	3	3
15	PP	4	4	4	4
16	J	3	2	3	3
17	H	3	3	2	2
18	YT	3	4	4	3
19	RS	3	3	3	3
20	Y	3	3	2	3
21	M	4	4	3	3
22	S	4	4	3	3
23	MJ	1	3	3	1
24	I	3	3	3	3
25	ES	3	4	4	3
26	TS	3	3	3	3
27	AS	3	3	3	3
28	MI	1	3	3	3
29	R	3	3	3	3
30	S	2	3	3	2
31	SK	2	3	3	3
32	IM	1	4	3	3
33	H	2	2	3	2
34	SR	3	3	3	3
35	NA	2	2	2	3
36	HA	3	2	3	3
37	S	2	3	3	2
38	SW	3	3	3	2
39	NH	2	4	4	2
40	AA	2	3	3	4

No.	Panelis	Uji Hedonik			
		Tekstur			
		Putih (F0)	Kuning (F1)	Pink (F2)	Hijau (F3)
41	M	3	3	3	3
42	EA	3	3	2	4
43	RG	3	3	3	3
44	EY	2	4	4	4
45	EJ	3	3	2	3
46	AN	3	3	3	3
47	MF	3	3	3	3
48	YS	3	3	3	4
49	A	3	3	3	3
50	H	3	3	3	3
Total		136	152	147	145

Lampiran 5. Keterangan Lolos Kaji Etik dan Persetujuan Turun Lapangan



DEWAN PENEGAKAN KODE ETIK UNIVERSITAS ESA
UNGGUL KOMISI ETIK PENELITIAN
Jl. Arjuna Utara No.9 Kebon Jeruk Jakarta Barat 11510
Telp. 021-5674223 email: dpke@esaunggul.ac.id

Nomor : 0922-09.027 /DPKE-KEP/FINAL-EA/UEU/IX/2022

KETERANGAN LOLOS KAJI ETIK ETHICAL APPROVAL

Komisi Etik Penelitian Universitas Esa Unggul dalam upaya melindungi hak asasi dan kesejahteraan subyek penelitian kesehatan, telah mengkaji dengan teliti protokol berjudul:

PENGEMBANGAN BISKUIT BERBAHAN DASAR TEPUNG MAGGOT DAN WHEY PROTEIN ISOLATE SEBAGAI SNACK TINGGI PROTEIN PADA ANAK USIA SEKOLAH

Peneliti Utama : Fajria Arnesya Maharani
Pembimbing : Prita Dhyani Swamilaksana, SP., MSi
Nama Institusi : Universitas Esa Unggul

dan telah menyetujui protokol tersebut di atas.

Jakarta, 5 September 2022

Plt. Ketua

Dr. CSP Wekadigunawan, DVM, MPH, PhD

- * *Ethical approval* berlaku satu tahun dari tanggal persetujuan.
- ** Peneliti berkewajiban
 1. Menjaga kerahasiaan identitas subyek penelitian
 2. Memberitahukan status penelitian apabila:
 - a. Setelah masa berlakunya keterangan lolos kaji etik, penelitian masih belum selesai, dalam hal ini *ethical approval* harus diperpanjang
 - b. Penelitian berhenti di tengah jalan
 3. Melaporkan kejadian serius yang tidak diinginkan (*serious adverse events*).
 4. Peneliti tidak boleh melakukan tindakan apapun pada subyek sebelum penelitian lolos kaji etik dan *informed consent*.

HALAMAN PERSETUJUAN TURUN LAPANG

Proposal skripsi ini dilakukan oleh :

Nama : Fajria Arnesya Maharani

NIM 20180302033

Program Studi : Ilmu Gizi

Judul Skripsi : Pengembangan Biskuit Berbahan Dasar Tepung *Maggot* Dan *Whey Protein Isolate* Sebagai Snack Sumber Protein Pada Anak Usia Sekolah

Telah berhasil dipertahankan dihadapan Tim Penguji dan diterima sebagai bagian dari persyaratan yang diperlukan untuk melakukan penelitian skripsi pada Program Studi Gizi, Fakultas Ilmu-Ilmu Kesehatan, Universitas Esa Unggul

TIM PENGUJI

Pembimbing I : Prita Dhyani Swamilaksana, SP., M.Si



Pembimbing II : Reza Fadhilla, S.TP, MSi



Penguji I : Dudung Angkasa, S.Gz, M.Gizi, RD



Penguji II : Nazhif Gifari, S.Gz., M.Si., RD



Ditetapkan di : Universitas Esa Unggul

Tanggal : 12 Agustus 2022

Lampiran 6. Hasil Uji Laboratorium F0

No : SIG.CL.VIII.2022.30163045
Lamp : 1 Halaman
Perihal : Laporan Hasil Uji Laboratorium

Bogor, 30 Agustus 2022

Kepada Yth.
Universitas Esa Unggul
Komp. BPP Blok E1 No. 08 Kec. Kramatwatu, Kab. Serang, Banten

Dengan hormat,
Berdasarkan surat order marketing nomor : SIG.MARK.R.VIII.2022.000878, maka bersama ini kami sampaikan hasil uji analisis laboratorium

Demikian surat ini kami sampaikan semoga dapat dipergunakan sebagaimana mestinya.
Atas kerjasamanya yang baik kami mengucapkan terima kasih.

Hormat Kami,
PT. Saraswanti Indo Genetech



RB Ernesto Arya
GM
Sales & Marketing

RESULT OF ANALYSIS / LAPORAN HASIL UJI

I. Number / Nomor	
1.1. Order No. / No. Order	: SIG.MARK.R.VIII.2022.000878
1.2. Certificate No. / No. sertifikat	: SIG.LHP.VIII.2022.301630454
II. Principal / Pelanggan	
2.1. Name / Nama	: Universitas Esa Unggul
2.2. Address / Alamat	: Komp. BPP Blok E1 No. 08 Kec. Kramatwatu, Kab. Serang, Banten
2.3. Phone / Telepon	: +6282298737466
2.4. Contact Person / Personil Penghubung	: Fajria Armesya
III. Sample / Contoh Uji	
3.1. Sample Code / Kode Sampel	: F0
3.2. Batch Number / No Batch	: -
3.3. Lot Number / No Lot	: -
3.4. Packaging / Kemasan	: -
3.5. Production Date / Tanggal Produksi	: -
3.6. Expire Date / Tanggal Kadaluarsa	: -
3.7. Factory Name / Nama Pabrik	: -
3.8. Factory Address / Alamat Pabrik	: -
3.9. Trade Mark / Nama Dagang	: -
3.10. Sample Name / Nama Sample	: Biskuit Biasa
3.11. Other Information / Keterangan Lain	: -
3.12. Date of Sampling / Tanggal Sampling	: -
3.13. Sampling Location / Lokasi Sampling	: -
3.14. Method Sampling / Metode Sampling	: -
3.15. Personnel Sampling / Personil Sampling	: -
3.16. Environmental Conditions / Kondisi Lingkungan	: -
3.17. Date of Acceptance / Diterima	: 23 Agustus 2022
3.18. Date of Analysis / Tanggal Uji	: 23 Agustus 2022 - 30 Agustus 2022
3.19. Type of Analysis / Jenis Uji	: Terlampir
IV. Result / Hasil Uji	

No	Parameter	Unit	Simplo	Duplo	Limit Of Detection	Method
1	Kadar Abu	%	1.06	1.11	-	SNI 01-2891-1992 point 6.1
2	Energi Dari Lemak	Kcal/100 g	219.60	222.12	-	Calculation
3	Kadar Lemak Total	%	24.40	24.68	-	18-8-5/MU/SMM-SIG point 3.2.2 (Weibull)
4	Kadar Air	%	6.82	6.69	-	SNI 2973 : 2022 (SNI ISO 712)
5	Energi Total	Kcal/100 g	490.48	492.20	-	Calculation
6	Karbohidrat (By Difference)	%	61.12	61.12	-	18-8-9/MU/SMM-SIG (perhitungan)
7	Kadar Protein	%	6.60	6.40	-	18-8-31/MU/SMM-SIG (Titrimetri)
8	L-Serin	mg / kg	3563.57	3567.33	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
9	L-Asam Glutamat	mg / kg	16994.12	17052.74	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
10	L-Fenilalanin	mg / kg	4240.07	4251.74	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
11	L-Isoleusin	mg / kg	2453.86	2447.37	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
12	L-Valin	mg / kg	2995.49	2998.72	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
13	L-Alanin	mg / kg	1961.06	1960.84	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
14	L-Arginin	mg / kg	3164.84	3172.88	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
15	Glisin	mg / kg	2644.56	2642.53	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
16	L-Lisin	mg / kg	1761.97	1762.54	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
17	L-Asam Aspartat	mg / kg	2780.96	2788.86	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
18	L-Leusin	mg / kg	4365.07	4374.32	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
19	L-Tirosin	mg / kg	1254.69	1254.36	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
20	L-Prolin	mg / kg	5542.91	5545.93	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
21	L-Treonin	mg / kg	2482	2478.3	-	18-5-17/MU/SMM-SIG (UPLC-PDA)

22	L-Histidin	mg / kg	1866.12	1858.15	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
23	Angka Lempeng Total (ALT)	colony / g	2.0x10 ¹	5.0x10 ¹	-	SNI ISO 4833-1 : 2015

Bogor, 30 Agustus 2022
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si
General Laboratory Manager

Lampiran 7. Hasil Uji Laboratorium F1



Bogor, 30 Agustus 2022

No : SIG.CL.VIII.2022.30163045
Lamp : 1 Halaman
Perihal : Laporan Hasil Uji Laboratorium

Kepada Yth.
Universitas Esa Unggul
Komp. BPP Blok E1 No. 08 Kec. Kramatwatu, Kab. Serang, Banten

Dengan hormat,
Berdasarkan surat order marketing nomor : SIG.MARK.R.VIII.2022.000878, maka bersama ini kami sampaikan hasil uji analisis laboratorium

Demikian surat ini kami sampaikan semoga dapat dipergunakan sebagaimana mestinya.
Atas kerjasamanya yang baik kami mengucapkan terima kasih.

Hormat Kami,
PT. Saraswanti Indo Genetech



RB Ernesto Arya
GM
Sales & Marketing

PT SARASWANTI INDO GENETECH
Graha SIG Jl. Rasamala No. 20 Taman Yasmin Bogor 16113
Tel. +62 251 7532 348 Hotline. +62 821 11 516 516
www.siglaboratory.com



RESULT OF ANALYSIS / LAPORAN HASIL UJI

- I. **Number / Nomor**
- 1.1. Order No. / No. Order : SIG.MARK.R.VIII.2022.000878
- 1.2. Certificate No. / No. sertifikat : SIG.LHP.VIII.2022.301630451
- II. **Principal / Pelanggan**
- 2.1. Name / Nama : Universitas Esa Unggul
- 2.2. Address / Alamat : Komp. BPP Blok E1 No. 08 Kec. Kramatwatu,
Kab. Serang, Banten
- 2.3. Phone / Telepon : +6282298737466
- 2.4. Contact Person / Personil Penghubung : Fajria Arnesya
- III. **Sample / Contoh Uji**
- 3.1. Sample Code / Kode Sampel : F1
- 3.2. Batch Number / No Batch : -
- 3.3. Lot Number / No Lot : -
- 3.4. Packaging / Kemasan : -
- 3.5. Production Date / Tanggal Produksi : -
- 3.6. Expire Date / Tanggal Kadaluarsa : -
- 3.7. Factory Name / Nama Pabrik : -
- 3.8. Factory Address / Alamat Pabrik : -
- 3.9. Trade Mark / Nama Dagang : -
- 3.10. Sample Name / Nama Sample : Biskuit Maggot & Whey Protein Isolate
- 3.11. Other Information / Keterangan Lain : -
- 3.12. Date of Sampling / Tanggal Sampling : -
- 3.13. Sampling Location / Lokasi Sampling : -
- 3.14. Method Sampling / Metode Sampling : -
- 3.15. Personnel Sampling / Personil Sampling : -
- 3.16. Environmental Conditions / Kondisi Lingkungan : -
- 3.17. Date of Acceptance / Diterima : 23 Agustus 2022
- 3.18. Date of Analysis / Tanggal Uji : 23 Agustus 2022 - 30 Agustus 2022
- 3.19. Type of Analysis / Jenis Uji : Terlampir
- IV. **Result / Hasil Uji**

No	Parameter	Unit	Simplo	Duplo	Limit Of Detection	Method
1	Kadar Abu	%	2.59	2.62	-	SNI 01-2891-1992 point 6.1
2	Energi Dari Lemak	Kcal/100 g	260.37	263.25	-	Calculation
3	Kadar Lemak Total	%	28.93	29.25	-	18-8-5/MU/SMM-SIG point 3.2.2 (Weibull)
4	Kadar Air	%	8.36	8.52	-	SNI 2973 : 2022 (SNI ISO 712)
5	Energi Total	Kcal/100 g	500.85	501.69	-	Calculation
6	Karbohidrat (By Difference)	%	41.07	40.36	-	18-8-9/MU/SMM-SIG (perhitungan)
7	Kadar Protein	%	19.05	19.25	-	18-8-31/MU/SMM-SIG (Titrimetri)
8	L-Serin	mg / kg	10664.65	10695.48	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
9	L-Asam Glutamat	mg / kg	30693.54	30816.52	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
10	L-Fenilalanin	mg / kg	10744.72	10772.25	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
11	L-Isoleusin	mg / kg	11666.84	11661.89	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
12	L-Valin	mg / kg	11793.93	11851.93	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
13	L-Alanin	mg / kg	8827.88	8870.72	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
14	L-Arginin	mg / kg	8156.06	8177.61	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
15	Glisin	mg / kg	6706.96	6736.53	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
16	L-Lisin	mg / kg	10991.63	11037.79	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
17	L-Asam Aspartat	mg / kg	14113.82	14175.91	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
18	L-Leusin	mg / kg	18402.23	18443.96	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
19	L-Tirosin	mg / kg	5578.73	5597.18	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
20	L-Prolin	mg / kg	11740.9	11789.42	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
21	L-Treonin	mg / kg	14385.76	14439.07	-	18-5-17/MU/SMM-SIG (UPLC-PDA)

Result Of Analysis | Page 2 of 3

22	L-Histidin	mg / kg	5719.28	5722.41	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
23	Angka Lempeng Total (ALT)	colony / g	1.2x10 ²	1.8x10 ²	-	SNI ISO 4833-1 : 2015

Bogor, 30 Agustus 2022
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si
General Laboratory Manager

Lampiran 8. Hasil Uji Laboratorium F2



No : SIG.CL.VIII.2022.30163045
Subject : Result of Analysis

Bogor, August 30, 2022)

To :
Universitas Esa Unggul
Komp. BPP Blok E1 No. 08 Kec. Kramatwatu, Kab. Serang, Banten

Dear Sir/Madam,
As your order no : SIG.MARK.R.VIII.2022.000878 , herewith we send the result of analysis.

Thank you for your cooperation.

Yours Faithfully,
PT. Saraswanti Indo Genetech



RB Ernesto Arya
GM
Sales & Marketing

PT SARASWANTI INDO GENETECH
Graha SIG Jl. Rasamala No. 20 Taman Yasmin Bogor 16113
Tel. +62 251 7532 348 Hotline. +62 821 11 516 516
www.siglaboratory.com



RESULT OF ANALYSIS / LAPORAN HASIL UJI

- I. **Number / Nomor**
 - 1.1. Order No. / No. Order : SIG.MARK.R.VIII.2022.000878
 - 1.2. Certificate No. / No. sertifikat : SIG.LHP.VIII.2022.301630452
- II. **Principal / Pelanggan**
 - 2.1. Name / Nama : Universitas Esa Unggul
 - 2.2. Address / Alamat : Komp. BPP Blok E1 No. 08 Kec. Kramatwatu, Kab. Serang, Banten
 - 2.3. Phone / Telepon : +6282298737466
 - 2.4. Contact Person / Personil Penghubung : Fajria Arnesya
- III. **Sample / Contoh Uji**
 - 3.1. Sample Code / Kode Sampel : F2
 - 3.2. Batch Number / No Batch : -
 - 3.3. Lot Number / No Lot : -
 - 3.4. Packaging / Kemasan : -
 - 3.5. Production Date / Tanggal Produksi : -
 - 3.6. Expire Date / Tanggal Kadaluaarsa : -
 - 3.7. Factory Name / Nama Pabrik : -
 - 3.8. Factory Address / Alamat Pabrik : -
 - 3.9. Trade Mark / Nama Dagang : -
 - 3.10. Sample Name / Nama Sample : Biskuit Maggot & Whey Protein Isolate
 - 3.11. Other Information / Keterangan Lain : -
 - 3.12. Date of Sampling / Tanggal Sampling : -
 - 3.13. Sampling Location / Lokasi Sampling : -
 - 3.14. Method Sampling / Metode Sampling : -
 - 3.15. Personnel Sampling / Personil Sampling : -
 - 3.16. Environmental Conditions / Kondisi Lingkungan : -
 - 3.17. Date of Acceptance / Diterima : August 23, 2022
 - 3.18. Date of Analysis / Tanggal Uji : August 23, 2022 - August 30, 2022
 - 3.19. Type of Analysis / Jenis Uji : Enclosed
- IV. **Result / Hasil Uji**

No	Parameter	Unit	Simplo	Duplo	Limit Of Detection	Method
1	Ash Content	%	2.68	2.62	-	SNI 01-2891-1992 point 6.1
2	Calorie From Fat	Kcal/100 g	320.13	323.91	-	Calculation
3	Total Fat	%	35.57	35.99	-	18-8-5/MU/SMM-SIG point 3.2.2 (Weibull)
4	Moisture Content	%	6.96	6.89	-	SNI 2973 : 2022 (SNI ISO 712)
5	Total Calories	Kcal/100 g	539.29	541.91	-	Calculation
6	Carbohydrate (By Difference)	%	37.14	36.40	-	18-8-9/MU/SMM-SIG (perhitungan)
7	Protein Content	%	17.65	18.10	-	18-8-31/MU/SMM-SIG (Titrimetri)
8	L-Serine	mg / kg	9203.43	9225.08	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
9	L-Glutamic Acid	mg / kg	29534.69	29670.94	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
10	L-Phenylalanine	mg / kg	10100.67	10138.69	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
11	L-Isoleucine	mg / kg	9951.66	9968.95	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
12	L-Valine	mg / kg	10349.37	10401.73	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
13	L-Alanine	mg / kg	8207.64	8247.35	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
14	L-Arginine	mg / kg	7623.82	7641.16	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
15	Glycine	mg / kg	6192.43	6223.08	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
16	L-Lysine	mg / kg	9988.21	10031.24	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
17	L-Aspartic Acid	mg / kg	13775.01	13824.81	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
18	L-Leucine	mg / kg	15720.46	15770.75	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
19	L-Tyrosine	mg / kg	5510.32	5528.3	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
20	L-Proline	mg / kg	10508.16	10551.95	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
21	L-Threonine	mg / kg	11929.12	11980.47	-	18-5-17/MU/SMM-SIG (UPLC-PDA)

22	L-Histidine	mg / kg	5212.97	5214.81	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
23	Total Plate Count (TPC)	colony / g	1.4x10 ²	1.6x10 ²	-	SNI ISO 4833-1 : 2015

Bogor, August 30, 2022
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si
General Laboratory Manager

Lampiran 9. Hasil Uji Laboratorium F3



No : SIG.CL.VIII.2022.30163045
Lamp : 1 Halaman
Perihal : Laporan Hasil Uji Laboratorium

Bogor, 30 Agustus 2022

Kepada Yth.
Universitas Esa Unggul
Komp. BPP Blok E1 No. 08 Kec. Kramatwatu, Kab. Serang, Banten

Dengan hormat,
Berdasarkan surat order marketing nomor : SIG.MARK.R.VIII.2022.000878, maka bersama ini kami sampaikan hasil uji analisis laboratorium

Demikian surat ini kami sampaikan semoga dapat dipergunakan sebagaimana mestinya.
Atas kerjasamanya yang baik kami mengucapkan terima kasih.

Hormat Kami,
PT. Saraswanti Indo Genetech



RB Ernesto Arya
GM
Sales & Marketing

PT SARASWANTI INDO GENETECH
Graha SIG Jl. Rasamala No. 20 Taman Yasmin Bogor 16113
Tel. +62 251 7532 348 Hotline. +62 821 11 516 516
www.siglaboratory.com



RESULT OF ANALYSIS / LAPORAN HASIL UJI

I. Number / Nomor	
1.1. Order No. / No. Order	: SIG.MARK.R.VIII.2022.000878
1.2. Certificate No. / No. sertifikat	: SIG.LHP.VIII.2022.301630453
II. Principal / Pelanggan	
2.1. Name / Nama	: Universitas Esa Unggul
2.2. Address / Alamat	: Komp. BPP Blok E1 No. 08 Kec. Kramatwatu, Kab. Serang, Banten
2.3. Phone / Telepon	: +6282298737466
2.4. Contact Person / Personil Penghubung	: Fajria Arnesya
III. Sample / Contoh Uji	
3.1. Sample Code / Kode Sampel	: F3
3.2. Batch Number / No Batch	: -
3.3. Lot Number / No Lot	: -
3.4. Packaging / Kemasan	: -
3.5. Production Date / Tanggal Produksi	: -
3.6. Expire Date / Tanggal Kadaluausa	: -
3.7. Factory Name / Nama Pabrik	: -
3.8. Factory Address / Alamat Pabrik	: -
3.9. Trade Mark / Nama Dagang	: -
3.10. Sample Name / Nama Sample	: Biskuit Maggot & Whey Protein Isolate
3.11. Other Information / Keterangan Lain	: -
3.12. Date of Sampling / Tanggal Sampling	: -
3.13. Sampling Location / Lokasi Sampling	: -
3.14. Method Sampling / Metode Sampling	: -
3.15. Personnel Sampling / Personil Sampling	: -
3.16. Environmental Conditions / Kondisi Lingkungan	: -
3.17. Date of Acceptance / Diterima	: 23 Agustus 2022
3.18. Date of Analysis / Tanggal Uji	: 23 Agustus 2022 - 30 Agustus 2022
3.19. Type of Analysis / Jenis Uji	: Terlampir
IV. Result / Hasil Uji	

No	Parameter	Unit	Simplo	Duplo	Limit Of Detection	Method
1	Kadar Abu	%	3.00	3.12	-	SNI 01-2891-1992 point 6.1
2	Energi Dari Lemak	Kcal/100 g	243.36	245.79	-	Calculation
3	Kadar Lemak Total	%	27.04	27.31	-	18-8-5/MU/SMM-SIG point 3.2.2 (Weibull)
4	Kadar Air	%	8.44	8.51	-	SNI 2973 : 2022 (SNI ISO 712)
5	Energi Total	Kcal/100 g	489.44	490.03	-	Calculation
6	Karbohidrat (By Difference)	%	42.30	41.71	-	18-8-9/MU/SMM-SIG (perhitungan)
7	Kadar Protein	%	19.22	19.35	-	18-8-31/MU/SMM-SIG (Titrimetri)
8	L-Serin	mg / kg	10958.32	11001.32	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
9	L-Asam Glutamat	mg / kg	30340.27	30471.66	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
10	L-Fenilalanin	mg / kg	10845.13	10873.39	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
11	L-Isoleusin	mg / kg	11560.2	11590.56	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
12	L-Valin	mg / kg	12200.97	12240.88	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
13	L-Alanin	mg / kg	9345.25	9375.55	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
14	L-Arginin	mg / kg	8917.6	8951.7	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
15	Glisin	mg / kg	7516.52	7554.62	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
16	L-Lisin	mg / kg	11032.98	11071.13	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
17	L-Asam Aspartat	mg / kg	14443.75	14494.99	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
18	L-Leusin	mg / kg	18207.01	18268.33	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
19	L-Tirosin	mg / kg	6077.81	6093.98	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
20	L-Prolin	mg / kg	11751.76	11800.35	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
21	L-Treonin	mg / kg	14174.2	14225.66	-	18-5-17/MU/SMM-SIG (UPLC-PDA)

Result Of Analysis | Page 2 of 3

PT SARASWANTI INDO GENETECH
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The results of these tests relate only to the sample(s) submitted.
 This report shall not be reproduced except in full context,
 without the written approval of PT. Saraswanti Indo Genetech

22	L-Histidin	mg / kg	5984.77	5994.11	-	18-5-17/MU/SMM-SIG (UPLC-PDA)
23	Angka Lempeng Total (ALT)	colony / g	9.0x10 ¹	4.0x10 ¹	-	SNI ISO 4833-1 : 2015

Bogor, 30 Agustus 2022
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si
General Laboratory Manager

Lampiran 10. Uji Statistik Nilai Gizi

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Kadar_Air	F0	2	6.7550	.09192	.06500	5.9291	7.5809	6.69	6.82
	F1	2	8.4400	.11314	.08000	7.4235	9.4565	8.36	8.52
	F2	2	6.9250	.04950	.03500	6.4803	7.3697	6.89	6.96
	F3	2	8.4750	.04950	.03500	8.0303	8.9197	8.44	8.51
	Total	8	7.6488	.86923	.30732	6.9221	8.3754	6.69	8.52
Kadar_Abu	F0	2	1.0850	.03536	.02500	.7673	1.4027	1.06	1.11
	F1	2	2.6050	.02121	.01500	2.4144	2.7956	2.59	2.62
	F2	2	2.6500	.04243	.03000	2.2688	3.0312	2.62	2.68
	F3	2	3.0600	.08485	.06000	2.2976	3.8224	3.00	3.12
	Total	8	2.3500	.80440	.28440	1.6775	3.0225	1.06	3.12
Energi	F0	2	491.3400	1.21622	.86000	480.4127	502.2673	490.48	492.20
	F1	2	501.2700	.59397	.42000	495.9334	506.6066	500.85	501.69
	F2	2	540.6000	1.85262	1.31000	523.9549	557.2451	539.29	541.91
	F3	2	489.7350	.41719	.29500	485.9867	493.4833	489.44	490.03
	Total	8	505.7363	22.04826	7.79524	487.3034	524.1691	489.44	541.91
Protein	F0	2	6.5000	.14142	.10000	5.2294	7.7706	6.40	6.60
	F1	2	19.1500	.14142	.10000	17.8794	20.4206	19.05	19.25
	F2	2	17.8750	.31820	.22500	15.0161	20.7339	17.65	18.10
	F3	2	19.2850	.09192	.06500	18.4591	20.1109	19.22	19.35
	Total	8	15.7025	5.71215	2.01955	10.9270	20.4780	6.40	19.35
Lemak	F0	2	24.5400	.19799	.14000	22.7611	26.3189	24.40	24.68
	F1	2	29.0900	.22627	.16000	27.0570	31.1230	28.93	29.25
	F2	2	35.7800	.29698	.21000	33.1117	38.4483	35.57	35.99
	F3	2	27.1750	.19092	.13500	25.4597	28.8903	27.04	27.31
	Total	8	29.1463	4.44717	1.57231	25.4283	32.8642	24.40	35.99
Karbohidrat	F0	2	61.1200	.00000	.00000	61.1200	61.1200	61.12	61.12
	F1	2	40.7150	.50205	.35500	36.2043	45.2257	40.36	41.07
	F2	2	36.7700	.52326	.37000	32.0687	41.4713	36.40	37.14
	F3	2	42.0050	.41719	.29500	38.2567	45.7533	41.71	42.30
	Total	8	45.1525	10.07366	3.56158	36.7307	53.5743	36.40	61.12

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
Kadar_Air	Between Groups	5.263	3	1.754	268.336	.000
	Within Groups	.026	4	.007		
	Total	5.289	7			
Kadar_Abu	Between Groups	4.519	3	1.506	563.078	.000
	Within Groups	.011	4	.003		
	Total	4.529	7			
Energi	Between Groups	3397.441	3	1132.480	832.974	.000
	Within Groups	5.438	4	1.360		
	Total	3402.879	7			
Protein	Between Groups	228.251	3	76.084	2032.961	.000
	Within Groups	.150	4	.037		
	Total	228.400	7			
Lemak	Between Groups	138.226	3	46.075	857.018	.000
	Within Groups	.215	4	.054		
	Total	138.441	7			
Karbohidrat	Between Groups	709.651	3	236.550	1351.909	.000
	Within Groups	.700	4	.175		
	Total	710.351	7			

Kadar_Air				
Duncan ^a				
Perlakuan	N	Subset for alpha = 0.05		
		1	2	
F0	2	6.7550		
F2	2	6.9250		
F1	2		8.4400	
F3	2		8.4750	
Sig.		.103	.687	

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

Kadar_Abu					
Duncan ^a					
Perlakuan	N	Subset for alpha = 0.05			
		1	2	3	
F0	2	1.0850			
F1	2		2.6050		
F2	2		2.6500		
F3	2			3.0600	
Sig.		1.000	.433	1.000	

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

Energi				
Duncan ^a				
Subset for alpha = 0.05				
Perlakuan	N	1	2	3
F3	2	489.7350		
F0	2	491.3400		
F1	2		501.2700	
F2	2			540.6000
Sig.		.241	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

Protein				
Duncan ^a				
Subset for alpha = 0.05				
Perlakuan	N	1	2	3
F0	2	6.5000		
F2	2		17.8750	
F1	2			19.1500
F3	2			19.2850
Sig.		1.000	1.000	.524

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

Lemak					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	24.5400			
F3	2		27.1750		
F1	2			29.0900	
F2	2				35.7800
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

Karbohidrat					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F2	2	36.7700			
F1	2		40.7150		
F3	2			42.0050	
F0	2				61.1200
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

Lampiran 11. Hasil Uji Laboratorium Nilai Asam Amino

		Descriptives							
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
L_Serin	F0	2	3565.4500	2.65872	1.88000	3541.5623	3589.3377	3563.57	3567.33
	F1	2	10680.0650	21.80010	15.41500	10484.1989	10875.9311	10664.65	10695.48
	F2	2	9214.2550	15.30886	10.82500	9076.7103	9351.7997	9203.43	9225.08
	F3	2	10979.8200	30.40559	21.50000	10706.6366	11253.0034	10958.32	11001.32
	Total	8	8609.8975	3194.39891	1129.39056	5939.3132	11280.4818	3563.57	11001.32
L_Asam_Glutamat	F0	2	17023.4300	41.45060	29.31000	16651.0111	17395.8489	16994.12	17052.74
	F1	2	30755.0300	86.95999	61.49000	29973.7255	31536.3345	30693.54	30816.52
	F2	2	29602.8150	96.34330	68.12500	28737.2048	30468.4252	29534.69	29670.94
	F3	2	30405.9650	92.90676	65.69500	29571.2309	31240.6991	30340.27	30471.66
	Total	8	26946.8100	6141.42196	2171.32056	21812.4528	32081.1672	16994.12	30816.52
L_Fenilalanin	F0	2	4245.8900	8.27315	5.85000	4171.5587	4320.2213	4240.04	4251.74
	F1	2	10758.4850	19.46665	13.76500	10583.5841	10933.3859	10744.72	10772.25
	F2	2	10119.6800	26.88420	19.01000	9878.1350	10361.2250	10100.67	10138.69
	F3	2	10859.2600	19.98284	14.13000	10679.7213	11038.7987	10845.13	10873.39
	Total	8	8995.8288	2947.39971	1042.06316	6531.7409	11459.9166	4240.04	10873.39
L_Isoleusin	F0	2	2450.6150	4.58912	3.24500	2409.3834	2491.8466	2447.37	2453.86
	F1	2	11664.3650	3.50018	2.47500	11632.9171	11695.8129	11661.89	11666.84
	F2	2	9960.3050	12.22588	8.64500	9850.4599	10070.1501	9951.66	9968.95
	F3	2	11575.3800	21.46776	15.18000	11382.4998	11768.2602	11560.20	11590.56
	Total	8	8912.6663	4053.84705	1433.25137	5523.5653	12301.7672	2447.37	11666.84
L_Valin	F0	2	2997.1050	2.28395	1.61500	2976.5845	3017.6255	2995.49	2998.72
	F1	2	11822.9615	41.05674	29.03150	11454.0813	12191.8417	11793.93	11851.99
	F2	2	10375.5500	37.02411	26.18000	10042.9016	10708.1984	10349.37	10401.73
	F3	2	12220.9250	28.22063	19.95500	11967.3727	12474.4773	12200.97	12240.88
	Total	8	9354.1354	3991.80007	1411.31445	6016.9070	12691.3637	2995.49	12240.88
L_Alalanin	F0	2	1960.9500	.15556	.11000	1959.5523	1962.3477	1960.84	1961.06
	F1	2	8849.3000	30.29245	21.42000	8577.1331	9121.4669	8827.88	8870.72
	F2	2	8227.4950	28.07921	19.85500	7975.2133	8479.7767	8207.64	8247.35
	F3	2	9360.4000	21.42534	15.15000	9167.9010	9552.8990	9345.25	9375.55
	Total	8	7099.5362	3200.51872	1131.55424	4423.8356	9775.2369	1960.84	9375.55
L_Arginin	F0	2	3168.8600	5.68514	4.02000	3117.7811	3219.9389	3164.84	3172.88
	F1	2	8166.8350	15.23815	10.77500	8029.9256	8303.7444	8156.06	8177.61

	F2	2	7632.4900	12.26123	8.67000	7522.3272	7742.6528	7623.82	7641.16
	F3	2	8934.6500	24.11234	17.05000	8718.0092	9151.2908	8917.60	8951.70
	Total	8	6975.7088	2401.20147	848.95292	4968.2541	8983.1634	3164.84	8951.70
Glisin	F0	2	2644.5600	.00000	.00000	2644.5600	2644.5600	2644.56	2644.56
	F1	2	6721.7450	20.90915	14.78500	6533.8838	6909.6062	6706.96	6736.53
	F2	2	6207.7550	21.67282	15.32500	6013.0324	6402.4776	6192.43	6223.08
	F3	2	7535.5700	26.94077	19.05000	7293.5168	7777.6232	7516.52	7554.62
	Total	8	5777.4075	1998.83234	706.69395	4106.3418	7448.4732	2644.56	7554.62
L_Lisin	F0	2	1762.2550	.40305	.28500	1758.6337	1765.8763	1761.97	1762.54
	F1	2	11014.7100	32.64005	23.08000	10721.4508	11307.9692	10991.63	11037.79
	F2	2	10009.7250	30.42680	21.51500	9736.3510	10283.0990	9988.21	10031.24
	F3	2	11052.0550	26.97612	19.07500	10809.6841	11294.4259	11032.98	11071.13
	Total	8	8459.6862	4157.88707	1470.03507	4983.6057	11935.7668	1761.97	11071.13
Asam_Aspartat	F0	2	2784.9100	5.58614	3.95000	2734.7205	2835.0995	2780.96	2788.86
	F1	2	14144.8650	43.90426	31.04500	13750.4009	14539.3291	14113.82	14175.91
	F2	2	13799.9100	35.21392	24.90000	13483.5255	14116.2945	13775.01	13824.81
	F3	2	14469.3700	36.23215	25.62000	14143.8370	14794.9030	14443.75	14494.99
	Total	8	11299.7638	5261.63273	1860.26809	6900.9287	15698.5988	2780.96	14494.99
L_Leusin	F0	2	2809.8800	2199.37079	1555.19000	-16950.6825	22570.4425	1254.69	4365.07
	F1	2	18423.0950	29.50757	20.86500	18157.9800	18688.2100	18402.23	18443.96
	F2	2	15745.6050	35.56040	25.14500	15426.1075	16065.1025	15720.46	15770.75
	F3	2	18237.6700	43.35979	30.66000	17848.0978	18627.2422	18207.01	18268.33
	Total	8	13804.0625	6929.32890	2449.88773	8010.9986	19597.1264	1254.69	18443.96
L_Tirosin	F0	2	1254.5250	.23335	.16500	1252.4285	1256.6215	1254.36	1254.69
	F1	2	5587.9550	13.04612	9.22500	5470.7403	5705.1697	5578.73	5597.18
	F2	2	5519.3100	12.71378	8.99000	5405.0812	5633.5388	5510.32	5528.30
	F3	2	6085.8950	11.43392	8.08500	5983.1653	6188.6247	6077.81	6093.98
	Total	8	4611.9212	2085.38696	737.29563	2868.4941	6355.3484	1254.36	6093.98
L_Prolin	F0	2	5544.4200	2.13546	1.51000	5525.2336	5563.6064	5542.91	5545.93
	F1	2	11765.1600	34.30882	24.26000	11456.9075	12073.4125	11740.90	11789.42
	F2	2	10530.0550	30.96421	21.89500	10251.8526	10808.2574	10508.16	10551.95
	F3	2	11776.0550	34.35832	24.29500	11467.3578	12084.7522	11751.76	11800.35
	Total	8	9903.9225	2744.76382	970.42056	7609.2425	12198.6025	5542.91	11800.35
L_Treoni	F0	2	2484.6500	3.74767	2.65000	2450.9786	2518.3214	2482.00	2487.30
	F1	2	14412.4150	37.69586	26.65500	14073.7311	14751.0989	14385.76	14439.07
	F2	2	11954.7950	36.30993	25.67500	11628.5632	12281.0268	11929.12	11980.47
	F3	2	14199.9300	36.38771	25.73000	13872.9994	14526.8606	14174.20	14225.66
	Total	8	10762.9475	5212.18930	1842.78720	6405.4482	15120.4468	2482.00	14439.07
L_Histidin	F0	2	1862.1350	5.63564	3.98500	1811.5008	1912.7692	1858.15	1866.12

n	F1	2	5720.8450	2.21324	1.56500	5700.9598	5740.7302	5719.28	5722.41
	F2	2	5213.8900	1.30108	.92000	5202.2003	5225.5797	5212.97	5214.81
	F3	2	5989.4400	6.60438	4.67000	5930.1020	6048.7780	5984.77	5994.11
	Total	8	4696.5775	1774.60940	627.41917	3212.9669	6180.1881	1858.15	5994.11

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
L_Serin	Between Groups	71427649.404	3	23809216.468	58029.701	.000
	Within Groups	1641.174	4	410.294		
	Total	71429290.579	7			
L_Asam_Glutamat	Between Groups	263992252.134	3	87997417.378	12943.704	.000
	Within Groups	27193.890	4	6798.472		
	Total	264019446.023	7			
L_Fenilalanin	Between Groups	60808585.680	3	20269528.560	51659.568	.000
	Within Groups	1569.469	4	392.367		
	Total	60810155.149	7			
L_Isoleusin	Between Groups	115035087.667	3	38345029.222	238298.078	.000
	Within Groups	643.648	4	160.912		
	Total	115035731.315	7			
L_Valin	Between Groups	111537416.429	3	37179138.810	38546.966	.000
	Within Groups	3858.061	4	964.515		
	Total	111541274.490	7			
L_Alalanin	Between Groups	71701075.335	3	23900358.445	44154.768	.000
	Within Groups	2165.144	4	541.286		
	Total	71703240.479	7			
L_Arginin	Between Groups	40359383.160	3	13453127.720	54014.262	.000
	Within Groups	996.265	4	249.066		
	Total	40360379.425	7			
Glisin	Between Groups	27965682.239	3	9321894.080	22837.862	.000
	Within Groups	1632.709	4	408.177		
	Total	27967314.947	7			
L_Lisin	Between Groups	121013455.148	3	40337818.383	59341.332	.000
	Within Groups	2719.037	4	679.759		
	Total	121016174.185	7			
Asam_Aspartat	Between Groups	193788941.116	3	64596313.705	57271.594	.000
	Within Groups	4511.578	4	1127.894		
	Total	193793452.694	7			
L_Leusin	Between Groups	331267945.645	3	110422648.548	91.235	.000
	Within Groups	4841247.182	4	1210311.795		
	Total	336109192.827	7			
L_Tirosin	Between Groups	30441408.840	3	10147136.280	87734.290	.000

	Within Groups	462.630	4	115.658		
	Total	30441871.470	7			
L_Prolin	Between Groups	52732778.168	3	17577592.723	21171.882	.000
	Within Groups	3320.932	4	830.233		
	Total	52736099.100	7			
L_Treonin	Between Groups	190164343.401	3	63388114.467	62183.311	.000
	Within Groups	4077.500	4	1019.375		
	Total	190168420.901	7			
L_Histidin	Between Groups	22044587.728	3	7348195.909	358581.956	.000
	Within Groups	81.969	4	20.492		
	Total	22044669.697	7			

L_Serin					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	3565.4500			
F2	2		9214.2550		
F1	2			10680.0650	
F3	2				10979.8200
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

L_Asam_Glutamat					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	17023.4300			
F2	2		29602.8150		
F3	2			30405.9650	
F1	2				30755.0300
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

L_Fenilalanin					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	4245.8900			
F2	2		10119.6800		
F1	2			10758.4850	
F3	2				10859.2600
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

L_Isoleusin					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	2450.6150			
F2	2		9960.3050		
F3	2			11575.3800	
F1	2				11664.3650
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

L_Valin					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	2997.1050			
F2	2		10375.5500		
F1	2			11822.9615	
F3	2				12220.9250
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

L_Alanin					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	1960.9500			
F2	2		8227.4950		
F1	2			8849.3000	
F3	2				9360.4000
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

L_Arginin					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	3168.8600			
F2	2		7632.4900		
F1	2			8166.8350	
F3	2				8934.6500
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

Glisin					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	2644.5600			
F2	2		6207.7550		
F1	2			6721.7450	
F3	2				7535.5700
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

L_Lisin				
Duncan ^a				
Subset for alpha = 0.05				
Perlakuan	N	1	2	3
F0	2	1762.2550		
F2	2		10009.7250	
F1	2			11014.7100
F3	2			11052.0550
Sig.		1.000	1.000	.225

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

Asam_Aspartat					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	2784.9100			
F2	2		13799.9100		
F1	2			14144.8650	
F3	2				14469.3700
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

L_Leusin			
Duncan ^a			
Subset for alpha = 0.05			
Perlakuan	N	1	2
F0	2	2809.8800	
F2	2		15745.6050
F3	2		18237.6700
F1	2		18423.0950
Sig.		1.000	.076

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

L_Tirosin					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	1254.5250			
F2	2		5519.3100		
F1	2			5587.9550	
F3	2				6085.8950
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

L_Prolin				
Duncan ^a				
Subset for alpha = 0.05				
Perlakuan	N	1	2	3
F0	2	5544.4200		
F2	2		10530.0550	
F1	2			11765.1600
F3	2			11776.0550
Sig.		1.000	1.000	.725

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

L_Treonin					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	2484.6500			
F2	2		11954.7950		
F3	2			14199.9300	
F1	2				14412.4150
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

L_Histidin					
Duncan ^a					
Subset for alpha = 0.05					
Perlakuan	N	1	2	3	4
F0	2	1862.1350			
F2	2		5213.8900		
F1	2			5720.8450	
F3	2				5989.4400
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 2.000.

Lampiran 12. Hasil Uji Statistika Organoleptik TPC

Descriptives								
ALT	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
F0	2	3.500	2.1213	1.5000	-15.559	22.559	2.0	5.0
F1	2	1.500	.4243	.3000	-2.312	5.312	1.2	1.8
F2	2	1.500	.1414	.1000	.229	2.771	1.4	1.6
F3	2	6.500	3.5355	2.5000	-25.266	38.266	4.0	9.0
Total	8	3.250	2.6913	.9515	1.000	5.500	1.2	9.0

ANOVA					
ALT	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	33.500	3	11.167	2.597	.190
Within Groups	17.200	4	4.300		
Total	50.700	7			

ALT		
Duncan ^a		Subset for alpha = 0,05
Perlakuan	N	1
F1	2	1.500
F2	2	1.500
F0	2	3.500
F3	2	6.500
Sig.		.078

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 2.000.

Lampiran 13. Hasil Uji Statistika Organoleptik Mutu Hedonik

		Descriptives							
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Warna	F0_480	25	7.00	2.550	.510	5.95	8.05	0	10
	F1_571	25	6.08	2.100	.420	5.21	6.95	3	9
	F2_682	25	5.56	2.382	.476	4.58	6.54	1	9
	F3_543	25	5.76	2.278	.456	4.82	6.70	1	9
	Total	100	6.10	2.363	.236	5.63	6.57	0	10
Aroma	F0_480	25	8.08	1.382	.276	7.51	8.65	6	10
	F1_571	25	7.96	1.428	.286	7.37	8.55	5	10
	F2_682	25	6.96	2.336	.467	6.00	7.92	3	10
	F3_543	25	5.84	2.211	.442	4.93	6.75	2	10
	Total	100	7.21	2.071	.207	6.80	7.62	2	10
Tekstur	F0_480	25	4.76	2.758	.552	3.62	5.90	0	10
	F1_571	25	6.96	1.904	.381	6.17	7.75	2	9
	F2_682	25	4.96	2.131	.426	4.08	5.84	1	9
	F3_543	25	5.64	2.018	.404	4.81	6.47	1	9
	Total	100	5.58	2.358	.236	5.11	6.05	0	10
Rasa	F0_480	25	7.20	1.472	.294	6.59	7.81	5	10
	F1_571	25	6.16	2.095	.419	5.30	7.02	3	10
	F2_682	25	5.68	1.819	.364	4.93	6.43	2	10
	F3_543	25	5.36	1.868	.374	4.59	6.13	2	10
	Total	100	6.10	1.931	.193	5.72	6.48	2	10
Keseluruhan	F0_480	25	7.08	2.139	.428	6.20	7.96	3	10
	F1_571	25	8.16	1.143	.229	7.69	8.63	6	10
	F2_682	25	6.20	2.041	.408	5.36	7.04	3	10
	F3_543	25	6.64	1.868	.374	5.87	7.41	3	10
	Total	100	7.02	1.954	.195	6.63	7.41	3	10

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
Warna	Between Groups	30.440	3	10.147	1.864	.141
	Within Groups	522.560	96	5.443		
	Total	553.000	99			
Aroma	Between Groups	81.470	3	27.157	7.598	.000
	Within Groups	343.120	96	3.574		
	Total	424.590	99			
Tekstur	Between Groups	74.120	3	24.707	4.980	.003
	Within Groups	476.240	96	4.961		
	Total	550.360	99			
Rasa	Between Groups	48.440	3	16.147	4.836	.004
	Within Groups	320.560	96	3.339		
	Total	369.000	99			
Keseluruhan	Between Groups	53.000	3	17.667	5.219	.002
	Within Groups	324.960	96	3.385		
	Total	377.960	99			

Aroma				
Duncan ^a				
Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
F3_543	25	5.84		
F2_682	25		6.96	
F1_571	25		7.96	7.96
F0_480	25			8.08
Sig.		1.000	.065	.823

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 25.000.

Warna				
Duncan ^a				
Perlakuan	N	Subset for alpha = 0.05		
		1	2	
F2_682	25	5.56		
F3_543	25	5.76	5.76	
F1_571	25	6.08	6.08	
F0_480	25		7.00	
Sig.		.463	.078	

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 25.000.

Tekstur			
Duncan ^a			
Perlakuan	N	Subset for alpha = 0.05	
		1	2
F0_480	25	4.76	
F2_682	25	4.96	
F3_543	25	5.64	
F1_571	25		6.96
Sig.		.192	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 25.000.

Rasa			
Duncan ^a			
Perlakuan	N	Subset for alpha = 0.05	
		1	2
F3_543	25	5.36	
F2_682	25	5.68	
F1_571	25	6.16	
F0_480	25		7.20
Sig.		.148	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 25.000.

Keseluruhan			
Duncan ^a			
Perlakuan	N	Subset for alpha = 0.05	
		1	2
F2_682	25	6.20	
F3_543	25	6.64	
F0_480	25	7.08	
F1_571	25		8.16
Sig.		.113	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 25.000.

Lampiran 14. Hasil Uji Statistika Organoleptik Hedonik Semi Terlatih

		Descriptives							
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Warna	F0_480	25	7.60	1.780	.356	6.87	8.33	3	10
	F1_571	25	6.08	2.216	.443	5.17	6.99	2	9
	F2_682	25	5.48	2.084	.417	4.62	6.34	1	9
	F3_543	25	5.16	1.864	.373	4.39	5.93	2	9
	Total	100	6.08	2.177	.218	5.65	6.51	1	10
Aroma	F0_480	25	6.96	1.947	.389	6.16	7.76	3	10
	F1_571	25	6.44	1.583	.317	5.79	7.09	3	9
	F2_682	25	5.44	2.142	.428	4.56	6.32	1	9
	F3_543	25	5.28	1.882	.376	4.50	6.06	2	9
	Total	100	6.03	1.997	.200	5.63	6.43	1	10
Tekstur	F0_480	25	5.48	1.503	.301	4.86	6.10	3	9
	F1_571	25	6.88	1.481	.296	6.27	7.49	3	9
	F2_682	25	5.64	1.705	.341	4.94	6.34	3	9
	F3_543	25	5.72	1.458	.292	5.12	6.32	3	9
	Total	100	5.93	1.616	.162	5.61	6.25	3	9
Rasa	F0_480	25	6.84	1.248	.250	6.32	7.36	5	9
	F1_571	25	7.64	1.150	.230	7.17	8.11	6	9
	F2_682	25	5.60	1.848	.370	4.84	6.36	2	9
	F3_543	25	5.44	2.181	.436	4.54	6.34	1	9
	Total	100	6.38	1.874	.187	6.01	6.75	1	9
Keseluruhan	F0_480	25	6.88	1.716	.343	6.17	7.59	3	10
	F1_571	25	7.08	1.525	.305	6.45	7.71	4	9
	F2_682	25	5.80	1.826	.365	5.05	6.55	2	9
	F3_543	25	5.52	1.503	.301	4.90	6.14	2	7
	Total	100	6.32	1.757	.176	5.97	6.67	2	10

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
Warna	Between Groups	87.920	3	29.307	7.376	.000
	Within Groups	381.440	96	3.973		
	Total	469.360	99			
Aroma	Between Groups	48.590	3	16.197	4.490	.005
	Within Groups	346.320	96	3.608		
	Total	394.910	99			
Tekstur	Between Groups	30.830	3	10.277	4.333	.007
	Within Groups	227.680	96	2.372		
	Total	258.510	99			
Rasa	Between Groups	82.280	3	27.427	9.925	.000
	Within Groups	265.280	96	2.763		
	Total	347.560	99			
Keseluruhan	Between Groups	45.040	3	15.013	5.528	.002
	Within Groups	260.720	96	2.716		
	Total	305.760	99			

Warna				
Perlakuan	N	Subset for alpha = 0.05		
		1	2	
F3_543	25	5.16		
F2_682	25	5.48		
F1_571	25	6.08		
F0_480	25			7.60
Sig.		.127		1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 25.000.

Aroma				
Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
F3_543	25	5.28		
F2_682	25	5.44	5.44	
F1_571	25		6.44	6.44
F0_480	25			6.96
Sig.		.766	.066	.335

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 25.000.

Tekstur			
Duncan ^a			
Perlakuan	N	Subset for alpha = 0.05	
		1	2
F0_480	25	5.48	
F2_682	25	5.64	
F3_543	25	5.72	
F1_571	25		6.88
Sig.		.608	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 25.000.

Rasa			
Duncan ^a			
Perlakuan	N	Subset for alpha = 0.05	
		1	2
F3_543	25	5.44	
F2_682	25	5.60	
F0_480	25		6.84
F1_571	25		7.64
Sig.		.734	.092

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 25.000.

Keseluruhan			
Duncan ^a			
Perlakuan	N	Subset for alpha = 0.05	
		1	2
F3_543	25	5.52	
F2_682	25	5.80	
F0_480	25		6.88
F1_571	25		7.08
Sig.		.549	.669

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 25.000.

Lampiran 15. Hasil Uji Statistika Organoleptik Hedonik Konsumen

		Descriptives							
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Warna	480	35	3.29	1.274	.215	2.85	3.72	1	5
	571	35	4.03	.822	.139	3.75	4.31	2	5
	682	35	2.91	.951	.161	2.59	3.24	1	4
	543	35	3.29	1.017	.172	2.94	3.63	1	5
	Total	140	3.38	1.096	.093	3.20	3.56	1	5
Aroma	480	35	3.26	1.120	.189	2.87	3.64	1	5
	571	35	4.17	.747	.126	3.91	4.43	3	5
	682	35	3.11	.993	.168	2.77	3.46	1	5
	543	35	3.46	1.010	.171	3.11	3.80	1	5
	Total	140	3.50	1.049	.089	3.32	3.68	1	5
Tekstur	480	35	3.34	1.282	.217	2.90	3.78	1	5
	571	35	4.29	.893	.151	3.98	4.59	2	5
	682	35	2.69	1.157	.196	2.29	3.08	1	5
	543	35	3.31	.867	.147	3.02	3.61	1	5
	Total	140	3.41	1.199	.101	3.21	3.61	1	5
Rasa	480	35	3.23	1.190	.201	2.82	3.64	1	5
	571	35	4.14	.912	.154	3.83	4.46	2	5
	682	35	3.00	1.029	.174	2.65	3.35	1	5
	543	35	3.20	.994	.168	2.86	3.54	1	5
	Total	140	3.39	1.117	.094	3.21	3.58	1	5
Keseluruhan	480	35	3.23	1.330	.225	2.77	3.69	1	5
	571	35	4.20	.833	.141	3.91	4.49	3	5
	682	35	2.94	1.027	.174	2.59	3.30	1	5
	543	35	3.31	1.022	.173	2.96	3.67	1	5
	Total	140	3.42	1.157	.098	3.23	3.61	1	5

		ANOVA				
		Sum of Squares	df	Mean Square	F	Sig.
Warna	Between Groups	22.936	3	7.645	7.221	.000
	Within Groups	144.000	136	1.059		
	Total	166.936	139			
Aroma	Between Groups	23.114	3	7.705	8.067	.000
	Within Groups	129.886	136	.955		
	Total	153.000	139			
Tekstur	Between Groups	45.679	3	15.226	13.437	.000
	Within Groups	154.114	136	1.133		
	Total	199.793	139			
Rasa	Between Groups	27.336	3	9.112	8.484	.000
	Within Groups	146.057	136	1.074		
	Total	173.393	139			
Keseluruhan	Between Groups	30.936	3	10.312	9.036	.000
	Within Groups	155.200	136	1.141		
	Total	186.136	139			

Warna			
Duncan ^a			
Perlakuan	N	Subset for alpha = 0.05	
		1	2
682	35	2.91	
480	35	3.29	
543	35	3.29	
571	35		4.03
Sig.		.157	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 35.000.

Aroma			
Duncan ^a			
Perlakuan	N	Subset for alpha = 0.05	
		1	2
682	35	3.11	
480	35	3.26	
543	35	3.46	
571	35		4.17
Sig.		.169	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 35.000.

Tekstur				
Duncan ^a				
Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
682	35	2.69		
543	35		3.31	
480	35		3.34	
571	35			4.29
Sig.		1.000	.911	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 35.000.

Rasa			
Duncan ^a			
Perlakuan	N	Subset for alpha = 0.05	
		1	2
682	35	3.00	
543	35	3.20	
480	35	3.23	
571	35		4.14
Sig.		.389	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 35.000.

Keseluruhan			
Duncan ^a			
Perlakuan	N	Subset for alpha = 0.05	
		1	2
682	35	2.94	
480	35	3.23	
543	35	3.31	
571	35		4.20
Sig.		.173	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 35.000.

Lampiran 16. Dokumentasi Uji Organoleptik



Lampiran 17. Nutrition Fact dan Packaging



INFORMASI NILAI GIZI (NUTRITION FACTS)			
Takaran Saji (Serving Size)	28 g		
Jumlah Sajian per Kemasan (Serving per Container)	6 pcs		
JUMLAH PER SAJIAN (AMOUNT PER SERVING)			
Energi Total (Calories)	83,5 Kkal		
			%AKG*
Lemak Total (Total Fat)	1	g	2 %
Protein	1	g	2 %
Lisin	3	mg	
Isoleusin	3	mg	
Leusin	5	mg	
Karbohidrat (Total Carbohydrates)	2	g	1 %
* Persen AKG berdasarkan kebutuhan energi 2150 kkal. Kebutuhan energi anda mungkin lebih tinggi atau lebih rendah. * Percent Daily Value are based on 2150 calorie. Your daily values maybe higher or lower depending on your calorie diet.			
Komposisi: Tepung Terigu, Whey Protein Isolate , Tepung Maggot, Gula, Margarin. Mengandung alergen, lihat daftar bahan yang dicetak tebal. Ingredients: Wheat Flour, Whey Protein Isolate , Maggot Flour, Sugar, Margarine. Containing allergens, see a list of bold printed ingredients.			