

Lampiran 1

PROGRAM STUDI ILMU GIZI  
 FAKULTAS ILMU ILMU KESEHATAN  
 UNIVERSITAS ESA UNGGUL  
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### LEMBAR PERSETUJUAN SEBAGAI PANELIS

Saya Srinatalia Hasan adalah 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 produk makanan biskuit MP-ASI. 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. Setelah penjelasan ini, saudara/i berhak untuk bersedia ataupun tidak bersedia menjadi subjek penelitian. Jika ada hal-hal yang ingin diperjelas setelah penjelasan ini, dapat menghubungi saya pada nomor HP : 082194597199

#### **Informed Consent :**

Setelah saya mendapat penjelasan mengenai tujuan dan manfaat pengambilan data tersebut, dengan ini saya :

Nama :

Alamat Lengkap :

No. Hp :

Jakarta, \_\_\_\_\_ 2018

Panelis

( )



Lampiran 3

### FORMULIR UJI MUTU HEDONIK

Nama panelis :

Kode sampel :

#### PETUNJUK :

1. Dihadapan saudara/I terdapat 4 sampel biskuit yang akan diuji.
2. Anda diminta menilai produk berdasarkan uji organoleptik sesuai kriteria dibawah.
3. Sebelum anda mencicipi sampel berikutnya anda diminta untuk mengkumur mulut anda terlebih dahulu dengan air mineral yang telah disediakan.
4. Beri tanda ( | ) pada garis yang telah disediakan pada masing-masing kriteria sesuai penilaian anda.

- Warna

  
 Kuning keemasan Coklat

- Aroma

  
 Tidak berbau khas pisang Sangat berbau khas  
 pisang

- Tekstur  
Permukaan biskuit

  
 Kasar Halus

Sifat fisik

  
 Keras Renyah

*Mouthfeel*

  
 Lembut Kasar

## Lampiran 5

**HASIL UJI STATISTIK****HEDONIK**

Warna

**Descriptives**

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	25	7.804	2.1456	.4291	.8	10.0
F1	25	4.848	2.2389	.4478	1.4	8.5
F2	25	4.844	2.5088	.5018	.2	10.0
F3	25	5.648	1.9079	.3816	2.5	10.0
Total	100	5.786	2.4938	.2494	.2	10.0

**ANOVA**

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	146.464	3	48.821	9.989	.000
Within Groups	469.216	96	4.888		
Total	615.680	99			

**Duncan**

Formulasi	N	Subset for alpha = 0.05	
		1	2
F2	25	4.844	
F1	25	4.848	
F3	25	5.648	
F0	25		7.804
Sig.		.230	1.000

Means for groups in homogeneous subsets are displayed.

## Aroma

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	25	6.908	2.0884	.4177	1.6	9.7
F1	25	5.944	2.0027	.4005	2.4	9.0
F2	25	5.796	1.8622	.3724	2.7	9.7
F3	25	6.324	1.8798	.3760	1.7	10.0
Total	100	6.243	1.9782	.1978	1.6	10.0

## ANOVA

Hdnk_aroma	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	18.450	3	6.150	1.600	.194
Within Groups	368.975	96	3.843		
Total	387.425	99			

## Duncan

Formulasi	N	Subset for alpha = 0.05
		1
F2	25	5.796
F1	25	5.944
F3	25	6.324
F0	25	6.908
Sig.		.069

Means for groups in homogeneous subsets are displayed.

Tekstur

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	25	7.480	1.8067	.3613	2.9	9.9
F1	25	5.588	2.0831	.4166	1.1	8.8
F2	25	5.980	2.1743	.4349	2.8	10.0
F3	25	6.208	1.6822	.3364	3.6	10.0
Total	100	6.314	2.0452	.2045	1.1	10.0

## ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	50.236	3	16.745	4.418	.006
Within Groups	363.865	96	3.790		
Total	414.100	99			

## Duncan

Formulasi	N	Subset for alpha = 0.05	
		1	2
F1	25	5.588	
F2	25	5.980	
F3	25	6.208	
F0	25		7.480
Sig.		.293	1.000

Means for groups in homogeneous subsets are displayed.

## Keseluruhan

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	25	7.616	1.5443	.3089	3.6	9.7
F1	25	6.460	1.7284	.3457	2.9	9.4
F2	25	6.424	1.9545	.3909	2.6	9.8
F3	25	6.652	1.4518	.2904	4.0	10.0
Total	100	6.788	1.7256	.1726	2.6	10.0

## ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	23.604	3	7.868	2.785	.045
Within Groups	271.202	96	2.825		
Total	294.806	99			

## Duncan

Formulasi	N	Subset for alpha = 0.05	
		1	2
F2	25	6.424	
F1	25	6.460	
F3	25	6.652	
F0	25		7.616
Sig.		.655	1.000

Means for groups in homogeneous subsets are displayed.

## Lampiran 6

**HASIL UJI STATISTIK**  
**MUTU HEDONIK**

Warna

**Descriptives**

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	25	2.248	1.8049	.3610	.0	6.5
F1	25	4.296	1.8456	.3691	.6	8.0
F2	25	5.596	2.1052	.4210	1.6	9.5
F3	25	5.876	1.7600	.3520	1.2	8.2
Total	100	4.504	2.3481	.2348	.0	9.5

**ANOVA**

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	205.191	3	68.397	19.275	.000
Within Groups	340.647	96	3.548		
Total	545.838	99			

**Duncan**

Formulasi	N	Subset for alpha = 0.05		
		1	2	3
F0	25	2.248		
F1	25		4.296	
F2	25			5.596
F3	25			5.876
Sig.		1.000	1.000	.600

Means for groups in homogeneous subsets are displayed.



## Aroma

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	25	4.320	2.8243	.5649	1.0	9.0
F1	25	4.280	2.1703	.4341	1.0	8.0
F2	25	4.840	1.4911	.2982	2.0	8.0
F3	25	5.600	2.0000	.4000	1.0	8.0
Total	100	4.760	2.2071	.2207	1.0	9.0

## ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	28.400	3	9.467	2.002	.119
Within Groups	453.840	96	4.728		
Total	482.240	99			

## Duncan

Formulasi	N	Subset for alpha = 0.05
		1
F1	25	4.280
F0	25	4.320
F2	25	4.840
F3	25	5.600
Sig.		.051

Means for groups in homogeneous subsets are displayed.

## Permukaan Biskuit

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	25	7.144	2.1814	.4363	1.1	9.7
F1	25	5.696	2.0159	.4032	1.6	9.9
F2	25	5.740	2.1158	.4232	2.0	9.7
F3	25	5.824	2.0343	.4069	1.3	9.9
Total	100	6.101	2.1437	.2144	1.1	9.9

## ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	36.473	3	12.158	2.789	.045
Within Groups	418.497	96	4.359		
Total	454.970	99			

## Duncan

Formulasi	N	Subset for alpha = 0.05	
		1	2
F1	25	5.696	
F2	25	5.740	
F3	25	5.824	
F0	25		7.144
Sig.		.840	1.000

Means for groups in homogeneous subsets are displayed.

## Mutu Sifat Fisik

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	25	7.720	1.8152	.3630	2.3	10.0
F1	25	6.300	1.6828	.3366	2.0	9.0
F2	25	5.740	2.2915	.4583	1.4	9.6
F3	25	6.936	1.6217	.3243	3.9	10.0
Total	100	6.674	1.9862	.1986	1.4	10.0

## ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	54.375	3	18.125	5.176	.002
Within Groups	336.178	96	3.502		
Total	390.552	99			

## Duncan

Formulasi	N	Subset for alpha = 0.05		
		1	2	3
F2	25	5.740		
F1	25	6.300	6.300	
F3	25		6.936	6.936
F0	25			7.720
Sig.		.293	.232	.142

Means for groups in homogeneous subsets are displayed.

## Mutu Mouthfeel

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	25	3.044	2.3863	.4773	.0	8.6
F1	25	4.552	2.1842	.4368	.0	8.1
F2	25	4.964	1.7538	.3508	1.2	7.6
F3	25	4.900	1.7701	.3540	1.4	8.2
Total	100	4.365	2.1575	.2157	.0	8.6

## ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	60.626	3	20.209	4.848	.003
Within Groups	400.182	96	4.169		
Total	460.808	99			

## Duncan

Formulasi	N	Subset for alpha = 0.05	
		1	2
F0	25	3.044	
F1	25		4.552
F3	25		4.900
F2	25		4.964
Sig.		1.000	.506

Means for groups in homogeneous subsets are displayed.

## Lampiran 7

## HASIL UJI STATISTIK KANDUNGAN GIZI

Kadar air

### Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	2	6.54300	.033941	.024000	6.519	6.567
F1	2	7.76900	.043841	.031000	7.738	7.800
F2	2	5.50400	.029698	.021000	5.483	5.525
F3	2	7.29000	.029698	.021000	7.269	7.311
Total	8	6.77650	.914164	.323206	5.483	7.800

### ANOVA

Kadar Air					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5.845	3	1.948	1.611E3	.000
Within Groups	.005	4	.001		
Total	5.850	7			

### Duncan

Formula si Produk	N	Subset for alpha = 0.05			
		1	2	3	4
F2	2	5.50400			
F0	2		6.54300		
F3	2			7.29000	
F1	2				7.76900
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

## Kadar Abu

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	2	1.52600	.057983	.041000	1.485	1.567
F1	2	1.43550	.013435	.009500	1.426	1.445
F2	2	1.54050	.006364	.004500	1.536	1.545
F3	2	1.48400	.036770	.026000	1.458	1.510
Total	8	1.49650	.051133	.018078	1.426	1.567

## ANOVA

Kadar Abu					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.013	3	.004	3.611	.123
Within Groups	.005	4	.001		
Total	.018	7			

## Duncan

Formula si Produk	N	Subset for alpha = 0.05	
		1	2
F1	2	1.43550	
F3	2	1.48400	1.48400
F0	2	1.52600	1.52600
F2	2		1.54050
Sig.		.065	.189

Means for groups in homogeneous subsets are displayed.

## Kadar protein

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	2	9.45650	.017678	.012500	9.444	9.469
F1	2	7.95250	.002121	.001500	7.951	7.954
F2	2	7.81450	.010607	.007500	7.807	7.822
F3	2	7.64100	.104652	.074000	7.567	7.715
Total	8	8.21612	.775664	.274239	7.567	9.469

## ANOVA

Kadar Protein					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.200	3	1.400	492.050	.000
Within Groups	.011	4	.003		
Total	4.212	7			

## Duncan

Formula si Produk	N	Subset for alpha = 0.05		
		1	2	3
F3	2	7.64100		
F2	2		7.81450	
F1	2		7.95250	
F0	2			9.45650
Sig.		1.000	.061	1.000

Means for groups in homogeneous subsets are displayed.

## Kadar lemak

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	2	2.21880E1	.043841	.031000	22.157	22.219
F1	2	1.75565E1	.098288	.069500	17.487	17.626
F2	2	1.88060E1	.199404	.141000	18.665	18.947
F3	2	1.83975E1	.038891	.027500	18.370	18.425
Total	8	1.92370E1	1.885996	.666800	17.487	22.219

## ANOVA

Kadar Lemak					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	24.846	3	8.282	626.748	.000
Within Groups	.053	4	.013		
Total	24.899	7			

## Duncan

Formulasi Produk	N	Subset for alpha = 0.05			
		1	2	3	4
F1	2	1.75565E1			
F3	2		1.83975E1		
F2	2			1.88060E1	
F0	2				2.21880E1
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.



## Kadar karbohidrat

## Descriptives

	N	Mean	Std. Deviation	Std. Error	Minimum	Maximum
F0	2	6.02900E1	.000000	.000000	60.290	60.290
F1	2	6.52850E1	.134350	.095000	65.190	65.380
F2	2	6.63400E1	.240416	.170000	66.170	66.510
F3	2	6.51850E1	.134350	.095000	65.090	65.280
Total	8	6.42750E1	2.509388	.887203	60.290	66.510

## ANOVA

## Kadar Karbohidrat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	43.985	3	14.662	624.569	.000
Within Groups	.094	4	.023		
Total	44.079	7			

## Duncan

Formula si Produk	N	Subset for alpha = 0.05		
		1	2	3
F2	2	3.36650E1		
F1	2		3.47135E1	
F3	2		3.48125E1	
F0	2			3.97135E1
Sig.		1.000	.550	1.000

Means for groups in homogeneous subsets are displayed.

Lampiran 8

Dokumentasi Penelitian

