LAMPIRAN - LAMPIRAN

LAMPIRAN 1. KUESIONER UJI ORGANOLEPTIK TAHU

KUESIONER TAHU

Nama panelis : .....

Tanggal pengujian : .....

Petunjuk :

Dihadapan saudara terdapat 6 (enam) macam sampel tahu dan 1 sampel kontrol. Saudara diminta untuk memberikan penilaian terhadap warna, rasa, aroma dan tekstur masing-masing sampel dibandingkan kontrol sesuai dengan sensoris yang anda rasakan.

A. WARNA

Kode sampel	419	432	325	536	127	715
Warna						

Penilaian:

1. Sangat gelap dibanding kontrol
2. Agak gelap dibanding kontrol
3. Normal / sama dengan kontrol
4. Putih dibanding kontrol
5. Sangat putih dibanding kontrol

B. RASA

Kode sampel	419	432	325	536	127	715
Rasa						

Penilaian:

1. Sangat tidak enak dibanding kontrol
2. Agak tidak enak dibanding kontrol
3. Normal / sama dengan kontrol
4. Lebih enak dari kontrol
5. Jauh lebih enak dari kontrol

C. AROMA

Kode sampel	419	432	325	536	127	715
Aroma						

Penilaian :

1. Sangat tidak kuat dibanding kontrol
2. Agak tidak kuat dibanding kontrol
3. Normal / sama dengan kontrol
4. Lebih kuat dibanding kontrol
5. Jauh lebih kuat dibanding kontrol

Keterangan untuk ketajaman aroma :

- Cenderung berbau masam
- Cenderung berbau tahu / normal
- Cenderung kurang berbau tahu

D. TEKSTUR

Kode sampel	419	432	325	536	127	715
Tekstur						

Penilaian;

1. Sangat lunak dibanding kontrol
2. Lunak dibanding kontrol
3. Normal / sama dengan kontrol
4. Keras dibanding kontrol
5. Sangat keras dibanding kontrol

LAMPIRAN 2. UJI ANOVA SATU ARAH KADAR PROTEIN TAHU

Variable PROTEIN
By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	5	8.6318	1.7264	88.8552	.0000
Within Groups	12	.2331	.0194		
Total	17	8.8649			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	11.5718	.0523	.0302	11.4419 TO 11.7017
Grp 2	3	10.2965	.1298	.0749	9.9741 TO 10.6190
Grp 3	3	11.2478	.2260	.1305	10.6864 TO 11.8092
Grp 4	3	9.9451	.1445	.0834	9.5861 TO 10.3041
Grp 5	3	10.4213	.1489	.0860	10.0513 TO 10.7912
Grp 6	3	9.5973	.0535	.0309	9.4644 TO 9.7302
Total	18	10.5133	.7221	.1702	10.1542 TO 10.8724

GROUP	MINIMUM	MAXIMUM
Grp 1	11.5114	11.6032
Grp 2	10.1497	10.3961
Grp 3	11.0593	11.4983
Grp 4	9.7798	10.0472
Grp 5	10.2617	10.5565
Grp 6	9.5567	9.6579
TOTAL	9.5567	11.6032

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
2.0449	5	12	.144

Variable PROTEIN
By Variable PERLAKUAN

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
MEAN(J)-MEAN(I) >= .0986 * RANGE * SQRT(1/N(I) + 1/N(J))
with the following value(s) for RANGE:

Step	2	3	4	5	6
RANGE	3.08	3.22	3.32	3.37	3.41

(*) Indicates significant differences which are shown in the lower triangle

Mean	PERLAK	G r p 6	G r p 4	G r p 2	G r p 5	G r p 3	G r p 1
		6	4	2	5	3	1
9.5973	Grp 6						
9.9451	Grp 4	*					
10.2965	Grp 2	*	*				
10.4213	Grp 5	*	*				
11.2478	Grp 3	*	*	*	*		
11.5718	Grp 1	*	*	*	*	*	

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1

Group Grp 6

Mean 9.5973

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Subset 2

Group Grp 4

Mean 9.9451

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Subset 3

Group Grp 2 Grp 5

Mean 10.2965 10.4213

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Subset 4

Group Grp 3

Mean 11.2478

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Subset 5

Group Grp 1

Mean 11.5718

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LAMPIRAN 3. UJI ANOVA SATU ARAH KADAR AIR TAHU

Variable AIR
By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	5	8.6419	1.7284	5.4753	.0075
Within Groups	12	3.7880	.3157		
Total	17	12.4300			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	67.6602	.3813	.2201	66.7129 TO 68.6074
Grp 2	3	68.7039	.7938	.4583	66.7319 TO 70.6759
Grp 3	3	66.8267	.2103	.1214	66.3043 TO 67.3491
Grp 4	3	67.5288	.5944	.3432	66.0522 TO 69.0055
Grp 5	3	66.6316	.3664	.2116	65.7213 TO 67.5418
Grp 6	3	67.9623	.7659	.4422	66.0597 TO 69.8649
Total	18	67.5522	.8551	.2015	67.1270 TO 67.9775

GROUP	MINIMUM	MAXIMUM
Grp 1	67.4081	68.0988
Grp 2	67.8129	69.3360
Grp 3	66.6461	67.0576
Grp 4	67.1742	68.2151
Grp 5	66.2212	66.9259
Grp 6	67.1333	68.6435
TOTAL	66.2212	69.3360

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
1.7218	5	12	.204

Variable AIR
By Variable PERLAKUAN

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
MEAN(J)-MEAN(I) >= .3973 * RANGE * SQRT(1/N(I) + 1/N(J))
with the following value(s) for RANGE:

Step	2	3	4	5	6
RANGE	3.08	3.22	3.32	3.37	3.41

(*) Indicates significant differences which are shown in the lower triangle

Mean	PERLAK	G G G G G G r r r r r r p p p p p p 5 3 4 1 6 2
66.6316	Grp 5	
66.8267	Grp 3	
67.5288	Grp 4	
67.6602	Grp 1	
67.9623	Grp 6	* *
68.7039	Grp 2	* * *

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1

Group	Grp 5	Grp 3	Grp 4	Grp 1
Mean	66.6316	66.8267	67.5288	67.6602

Subset 2

Group	Grp 4	Grp 1	Grp 6
Mean	67.5288	67.6602	67.9623

Subset 3

Group	Grp 1	Grp 6	Grp 2
Mean	67.6602	67.9623	68.7039

LAMPIRAN 4. UJI ANOVA SATU ARAH KADAR ABU TAHU

Variable ABU
By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	5	.0245	.0049	7.4741	.0021
Within Groups	12	.0079	.0007		
Total	17	.0323			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	1.1095	.0266	.0154	1.0434 TO 1.1756
Grp 2	3	1.1711	.0043	.0025	1.1604 TO 1.1819
Grp 3	3	1.0875	.0198	.0114	1.0383 TO 1.1367
Grp 4	3	1.1605	.0071	.0041	1.1428 TO 1.1783
Grp 5	3	1.1106	.0513	.0296	.9830 TO 1.2381
Grp 6	3	1.1874	.0111	.0064	1.1597 TO 1.2150
Total	18	1.1378	.0436	.0103	1.1161 TO 1.1595

GROUP	MINIMUM	MAXIMUM
Grp 1	1.0788	1.1268
Grp 2	1.1679	1.1761
Grp 3	1.0704	1.1092
Grp 4	1.1526	1.1664
Grp 5	1.0589	1.1615
Grp 6	1.1799	1.2002
TOTAL	1.0589	1.2002

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
2.3559	5	12	.104

Variable ABU
By Variable PERLAKUAN

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
MEAN(J)-MEAN(I) >= .0181 * RANGE * SQRT(1/N(I) + 1/N(J))
with the following value(s) for RANGE:

Step	2	3	4	5	6
RANGE	3.08	3.22	3.32	3.37	3.41

(*) Indicates significant differences which are shown in the lower triangle

Mean	PERLAK	G r p 3	G r p 1	G r p 5	G r p 4	G r p 2	G r p 6
1.0875	Grp 3						
1.1095	Grp 1						
1.1106	Grp 5						
1.1605	Grp 4	*	*	*			
1.1711	Grp 2	*	*	*			
1.1874	Grp 6	*	*	*			

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1

Group	Grp 3	Grp 1	Grp 5
Mean	1.0875	1.1095	1.1106

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Subset 2

Group	Grp 4	Grp 2	Grp 6
Mean	1.1605	1.1711	1.1874

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LAMPIRAN 5. UJI ANOVA SATU ARAH KADAR LEMAK TAHU

Variable LEMAK
By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	5	2.2175	.4435	2.7283	.0716
Within Groups	12	1.9507	.1626		
Total	17	4.1682			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	8.9232	.1637	.0945	8.5166 TO 9.3297
Grp 2	3	8.4865	.7415	.4281	6.6444 TO 10.3286
Grp 3	3	9.1237	.2025	.1169	8.6207 TO 9.6266
Grp 4	3	8.9299	.4895	.2826	7.7140 TO 10.1458
Grp 5	3	9.0744	.2881	.1663	8.3588 TO 9.7901
Grp 6	3	8.1434	.1874	.1082	7.6779 TO 8.6089
Total	18	8.7802	.4952	.1167	8.5339 TO 9.0264

GROUP	MINIMUM	MAXIMUM
Grp 1	8.8199	9.1119
Grp 2	7.8477	9.2997
Grp 3	8.9994	9.3573
Grp 4	8.3950	9.3555
Grp 5	8.7639	9.3330
Grp 6	7.9371	8.3029
TOTAL	7.8477	9.3573

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
2.5520	5	12	.085

Variable LEMAK
By Variable PERLAKUAN

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
MEAN(J)-MEAN(I) >= .2851 * RANGE * SQRT(1/N(I) + 1/N(J))
with the following value(s) for RANGE:

Step	2	3	4	5	6
RANGE	3.08	3.22	3.32	3.37	3.41

(*) Indicates significant differences which are shown in the lower triangle

Mean	PERLAK	G G G G G G r r r r r r p p p p p p 6 2 1 4 5 3
8.1434	Grp 6	
8.4865	Grp 2	
8.9232	Grp 1	*
8.9299	Grp 4	*
9.0744	Grp 5	*
9.1237	Grp 3	*

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1

Group	Grp 6	Grp 2
Mean	8.1434	8.4865

Subset 2

Group	Grp 2	Grp 1	Grp 4	Grp 5	Grp 3
Mean	8.4865	8.9232	8.9299	9.0744	9.1237

LAMPIRAN 6. UJI ANOVA SATU ARAH KADAR SERAT KASAR TAHU

Variable SERAT KASAR
By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	5	.0052	.0010	2.5969	.0815
Within Groups	12	.0048	.0004		
Total	17	.0100			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	.1348	.0447	.0258	.0238 TO .2458
Grp 2	3	.1140	.0079	.0046	.0943 TO .1337
Grp 3	3	.1619	.0179	.0103	.1174 TO .2063
Grp 4	3	.1434	.0013	.0008	.1402 TO .1466
Grp 5	3	.1647	.0016	.0009	.1608 TO .1687
Grp 6	3	.1451	.0045	.0026	.1339 TO .1562
Total	18	.1440	.0243	.0057	.1319 TO .1560

GROUP	MINIMUM	MAXIMUM
Grp 1	.0834	.1642
Grp 2	.1064	.1223
Grp 3	.1493	.1823
Grp 4	.1420	.1446
Grp 5	.1629	.1660
Grp 6	.1403	.1493
TOTAL	.0834	.1823

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
10.0486	5	12	.001

Variable SERAT
By Variable PERLAKUAN

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
MEAN(J)-MEAN(I) >= .0142 * RANGE * SQRT(1/N(I) + 1/N(J))
with the following value(s) for RANGE:

Step	2	3	4	5	6
RANGE	3.08	3.22	3.32	3.37	3.41

(*) Indicates significant differences which are shown in the lower triangle

Mean	PERLAK	G r p 2	G r p 1	G r p 4	G r p 6	G r p 3	G r p 5
.1140	Grp 2						
.1348	Grp 1						
.1434	Grp 4						
.1451	Grp 6						
.1619	Grp 3	*					
.1647	Grp 5	*					

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1

Group	Grp 2	Grp 1	Grp 4	Grp 6
Mean	.1140	.1348	.1434	.1451

Subset 2

Group	Grp 1	Grp 4	Grp 6	Grp 3	Grp 5
Mean	.1348	.1434	.1451	.1619	.1647

LAMPIRAN 7. UJI ANOVA SATU ARAH KADAR KARBOHIDRAT TAHU

Variable KARBOHIDRAT
By Variable PERLAKUAN

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	5	12.0901	2.4180	12.8026	.0002
Within Groups	12	2.2664	.1889		
Total	17	14.3565			

Group	Count	Mean	Standard Deviation	Standard Error	95 Pct Conf Int for Mean
Grp 1	3	10.6006	.2859	.1650	9.8904 TO 11.3107
Grp 2	3	11.2280	.0574	.0332	11.0853 TO 11.3707
Grp 3	3	11.5525	.2847	.1644	10.8452 TO 12.2597
Grp 4	3	12.2922	.7374	.4257	10.4605 TO 14.1240
Grp 5	3	12.5975	.2290	.1322	12.0287 TO 13.1662
Grp 6	3	12.9646	.6091	.3517	11.4515 TO 14.4777
Total	18	11.8725	.9190	.2166	11.4156 TO 12.3295

GROUP	MINIMUM	MAXIMUM
Grp 1	10.2862	10.8448
Grp 2	11.1930	11.2943
Grp 3	11.2352	11.7856
Grp 4	11.6598	13.1022
Grp 5	12.3616	12.8188
Grp 6	12.5146	13.6577
TOTAL	10.2862	13.6577

Levene Test for Homogeneity of Variances

Statistic	df1	df2	2-tail Sig.
3.2080	5	12	.046

Variable KH
By Variable PERLAKUAN

Multiple Range Tests: Duncan test with significance level .05

The difference between two means is significant if
MEAN(J)-MEAN(I) >= .3073 * RANGE * SQRT(1/N(I) + 1/N(J))
with the following value(s) for RANGE:

Step	2	3	4	5	6
RANGE	3.08	3.22	3.32	3.37	3.41

(*) Indicates significant differences which are shown in the lower triangle

Mean	PERLAK	G r p 1	G r p 2	G r p 3	G r p 4	G r p 5	G r p 6
		1	2	3	4	5	6
10.6006	Grp 1						
11.2280	Grp 2						
11.5525	Grp 3	*					
12.2922	Grp 4	*	*				
12.5975	Grp 5	*	*	*			
12.9646	Grp 6	*	*	*			

Homogeneous Subsets (highest and lowest means are not significantly different)

Subset 1

Group	Grp 1	Grp 2
Mean	10.6006	11.2280

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Subset 2

Group	Grp 2	Grp 3
Mean	11.2280	11.5525

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Subset 3

Group	Grp 3	Grp 4
Mean	11.5525	12.2922

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Subset 4

Group	Grp 4	Grp 5	Grp 6
Mean	12.2922	12.5975	12.9646

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