

## 7. LAMPIRAN

### 7.1. Lampiran hasil SPSS uji fisikokimiawi *papaya leather*

Uji tekstur dengan pengeringan *cabinet dryer*

**Tests of Normality**

		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
tekstur_sin	5mm	.226	10	.161	.833	10	.036
	7mm	.201	10	.200 <sup>*</sup>	.860	10	.076
	9mm	.201	10	.200 <sup>*</sup>	.854	10	.064

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

tekstur\_sin

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
5mm	10	-.4631
7mm	10	.0645
9mm	10	.0840
Sig.		.103

Means for groups in homogeneous subsets are displayed.

Uji tekstur dengan penengrangan STD

**Tests of Normality**

		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
tekstur_sin	5mm	.208	10	.200 <sup>*</sup>	.870	10	.100
	7mm	.226	10	.157	.857	10	.071
	9mm	.238	10	.116	.871	10	.104

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

tekstur\_sin

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
9mm	10	-.3353
5mm	10	.1660
7mm	10	.2316
Sig.		.102

Means for groups in homogeneous subsets are displayed.

Uji warna dengan pengeringan *cabinet dryer*

Tests of Normality

	ketebalan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
a	5mm	.245	10	.090	.886	10	.154
	7mm	.101	10	.200 <sup>*</sup>	.989	10	.995
	9mm	.203	10	.200 <sup>*</sup>	.943	10	.587
L_sin	5mm	.162	10	.200 <sup>*</sup>	.906	10	.252
	7mm	.205	10	.200 <sup>*</sup>	.864	10	.085
	9mm	.220	10	.186	.866	10	.091
b_sin	5mm	.126	10	.200 <sup>*</sup>	.976	10	.938
	7mm	.171	10	.200 <sup>*</sup>	.887	10	.159
	9mm	.211	10	.200 <sup>*</sup>	.850	10	.058

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

**L\_sin**

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
7mm	10	.1393
9mm	10	.2175
5mm	10	.2452
Sig.		.740

Means for groups in homogeneous subsets are displayed.

**a**

Duncan

ketebalan	N	Subset for alpha = 0.05	
		1	2
7mm	10	18.0010	
5mm	10		20.3300
9mm	10		21.4850
Sig.		1.000	.174

Means for groups in homogeneous subsets are displayed.

**b\_sin**

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
7mm	10	-.3781
9mm	10	-.0821
5mm	10	.0832
Sig.		.178

Means for groups in homogeneous subsets are displayed.

Uji warna dengan pengeringan STD

Tests of Normality

ketebalan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
b 5mm	.185	10	.200 <sup>*</sup>	.937	10	.525
7mm	.184	10	.200 <sup>*</sup>	.899	10	.211
9mm	.224	10	.170	.898	10	.210
L_sin 5mm	.172	10	.200 <sup>*</sup>	.865	10	.088
7mm	.163	10	.200 <sup>*</sup>	.907	10	.262
9mm	.201	10	.200 <sup>*</sup>	.891	10	.174
a_sin 5mm	.181	10	.200 <sup>*</sup>	.854	10	.065
7mm	.209	10	.200 <sup>*</sup>	.868	10	.093
9mm	.247	10	.086	.809	10	.019

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

L\_sin

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
7mm	10	-.2071
9mm	10	.0493
5mm	10	.0824
Sig.		.407

Means for groups in homogeneous subsets are displayed.

a\_sin

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
7mm	10	.4906
5mm	10	.5815
9mm	10	.6708
Sig.		.375

**L\_sin**

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
7mm	10	-.2071
9mm	10	.0493
5mm	10	.0824
Sig.		.407

Means for groups in homogeneous subsets are displayed.

**b**

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
9mm	10	27.0440
7mm	10	28.8280
5mm	10	28.8790
Sig.		.453

Means for groups in homogeneous subsets are displayed.

Uji kadar air dengan pengeringan *cabinet dryer*

**Tests of Normality**

ketebalan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
kdair_sin	5mm	.259	10	.055	.868	10	.095
	7mm	.170	10	.200	.902	10	.231
	9mm	.193	10	.200	.890	10	.170

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

**kdrair\_sin**

Duncan

ketebalan	N	Subset for alpha = 0.05		
		1	2	3
9mm	10	-0.8977		
7mm	10		-0.7922	
5mm	10			-0.6600
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Uji kadar air dengan pengeringan STD

**Tests of Normality**

ketebalan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
kdrair 5mm	.166	10	.200*	.917	10	.332
7mm	.185	10	.200*	.963	10	.816
9mm	.107	10	.200*	.971	10	.897

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

**kdrair**

Duncan

ketebalan	N	Subset for alpha = 0.05		
		1	2	3
5mm	10	10.4009		
7mm	10		10.5901	
9mm	10			10.8277
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Uji aktifitas air (aw) dengan pengeringan *cabinet dryer*

**Tests of Normality**

ketebalan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
aw 5mm	.220	10	.186	.802	10	.015
7mm	.191	10	.200 <sup>*</sup>	.917	10	.331
9mm	.161	10	.200 <sup>*</sup>	.919	10	.348

a. Lilliefors Significance Correction

**aw**

Duncan

ketebalan	N	Subset for alpha = 0.05	
		1	2
5mm	10	.6943	
7mm	10	.7409	.7409
9mm	10		.7754
Sig.		.071	.175

Means for groups in homogeneous subsets are displayed.

Uji aktifitas air (aw) dengan pengeringan STD

**Tests of Normality**

ketebalan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
aw 5mm	.234	10	.128	.909	10	.273
7mm	.204	10	.200 <sup>*</sup>	.866	10	.089
9mm	.214	10	.200 <sup>*</sup>	.880	10	.129

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

aw

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
5mm	10	.5777
9mm	10	.5811
7mm	10	.5963
Sig.		.253

Means for groups in homogeneous subsets are displayed.

Uji vitamin A dengan pengeringan *cabinet dryer*

**Tests of Normality**

	ketebalan	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
SMEAN(vitaminA)	5mm	.240	10	.106	.756	10	.004
	7mm	.236	10	.120	.843	10	.048
	9mm	.202	10	.200	.930	10	.443

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

**SMEAN(vitaminA)**

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
5mm	10	.3376
7mm	10	.4496
9mm	10	.5413
Sig.		.161

Means for groups in homogeneous subsets are displayed.



## Uji pengeringan vitamin A dengan pengeringan STD

### Tests of Normality

ketebalan		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
vitaminA	5mm	.211	10	.200 <sup>*</sup>	.926	10	.410
	7mm	.100	10	.200 <sup>*</sup>	.964	10	.832
	9mm	.191	5	.200 <sup>*</sup>	.981	5	.939

a. Lilliefors Significance Correction

\*. This is a lower bound of the true significance.

### vitaminA

Duncan

ketebalan	N	Subset for alpha = 0.05
		1
5mm	10	.0989
7mm	10	.1022
9mm	5	.1435
Sig.		.102

Means for groups in homogeneous subsets are displayed.

## 7.2. Lampiran hasil SPSS uji sensori *papaya letaher*

### Test Statistics<sup>a,b</sup>

	warna	tekstur	rasa
Chi-Square	10.583	25.672	16.235
df	1	1	1
Asymp. Sig.	.001	.000	.000

a. Kruskal Wallis Test

b. Grouping Variable: pengeringan

Antar ketebalan 5mm dan 7mm

**Test Statistics<sup>a</sup>**

	warna	tekstur	rasa
Mann-Whitney U	1.370E3	1.743E3	1.690E3
Wilcoxon W	3.200E3	3.573E3	3.520E3
Z	-2.291	-.304	-.588
Asymp. Sig. (2-tailed)	.022	.761	.557

a. Grouping Variable: ketebalan

Antar ketebalan 5mm dan 9mm

**Test Statistics<sup>a</sup>**

	warna	tekstur	rasa
Mann-Whitney U	1.767E3	1.605E3	1.634E3
Wilcoxon W	3.597E3	3.435E3	3.464E3
Z	-.176	-1.039	-.888
Asymp. Sig. (2-tailed)	.860	.299	.375

a. Grouping Variable: ketebalan

Antar ketebalan 7mm dan 9mm

**Test Statistics<sup>a</sup>**

	warna	tekstur	rasa
Mann-Whitney U	1.318E3	1.612E3	1.644E3
Wilcoxon W	3.148E3	3.442E3	3.474E3
Z	-2.564	-1.000	-.828
Asymp. Sig. (2-tailed)	.010	.318	.408

a. Grouping Variable: ketebalan

### 7.3. Lampiran hasil SPSS persamaan laju penurunan kadar air

#### 7.3.1. Fungsi laju penurunan kadar air *papaya leather* dengan pengeringan *cabinet dryer*

Ketebalan 5mm pada *batch 1*

Coefficients					
	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.165	.005	-.995	-30.396	.000
(Constant)	51.792	1.664		31.116	.000

The dependent variable is  $\ln(y)$ .

Ketebalan 5mm pada *batch 2*

Coefficients					
	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.174	.007	-.993	-24.422	.000
(Constant)	45.947	1.751		26.236	.000

The dependent variable is  $\ln(y)$ .

Ketebalan 7mm pada *batch 1*

Coefficients					
	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.157	.006	-.992	-24.256	.000
(Constant)	55.318	2.322		23.819	.000

The dependent variable is  $\ln(y)$ .

Ketebalan 7mm pada *batch 2*

**Coefficients**

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.138	.004	-.997	-37.168	.000
(Constant)	45.085	.994		45.368	.000

The dependent variable is  $\ln(y)$ .

Ketebalan 9mm pada *batch 1*

**Coefficients**

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.111	.007	-.979	-16.763	.000
(Constant)	53.315	2.690		19.819	.000

The dependent variable is  $\ln(y)$ .

Ketebalan 9mm pada *batch 2*

**Coefficients**

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.089	.008	-.950	-10.530	.000
(Constant)	45.497	2.926		15.547	.000

The dependent variable is  $\ln(y)$ .

### 7.3.2. Fungsi laju penurunan kadar air *papaya leather* dengan pengeringan STD

Ketebalan 5mm pada *batch 1*

**Coefficients**

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.163	.019	-.943	-8.529	.000
(Constant)	46.484	5.264		8.830	.000

The dependent variable is  $\ln(y)$ .

Ketebalan 5mm pada *batch 2*

**Coefficients**

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.163	.019	-.943	-8.529	.000
(Constant)	46.484	5.264		8.830	.000

The dependent variable is  $\ln(y)$ .

Ketebalan 7mm pada *batch 1*

**Coefficients**

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.140	.013	-.958	-10.535	.000
(Constant)	45.238	3.894		11.617	.000

The dependent variable is  $\ln(y)$ .

Ketebalan 7mm pada *batch 2*

**Coefficients**

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.140	.009	-.978	-15.642	.000
(Constant)	50.823	3.225		15.761	.000

The dependent variable is ln(y).

Ketebalan 9mm pada *batch 1*

**Coefficients**

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.144	.015	-.947	-9.790	.000
(Constant)	57.443	5.972		9.619	.000

The dependent variable is ln(y).

Ketebalan 9mm pada *batch 2*

**Coefficients**

	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
x	-.142	.010	-.976	-14.233	.000
(Constant)	52.499	3.406		15.413	.000

The dependent variable is ln(y).

#### 7.4. Worksheet sensori

## Worksheet Uji Ranking Hedonik

Jenis Sampel : *Fruit Leather* Pepaya (Warna dan tekstur)

### Identifikasi Sampel

Kode

<i>Fruit Leather</i> Pepaya dengan pengeringan dehumidifier ketebalan 5mm	A
<i>Fruit Leather</i> Pepaya dengan pengeringan dehumidifier ketebalan 7mm	B
<i>Fruit Leather</i> Pepaya dengan pengeringan dehumidifier ketebalan 9mm	C
<i>Fruit Leather</i> Pepaya dengan pengeringan STD ketebalan 5mm	D
<i>Fruit Leather</i> Pepaya dengan pengeringan STD ketebalan 7mm	E
<i>Fruit Leather</i> Pepaya dengan pengeringan STD ketebalan 9mm	F

### Kode kombinasi urutan penyajian:

ABCDEF = 1                      CBADEF =4

ACBDEF = 2                      BACDEF = 5

BCADEF =3

### Penyajian:

<i>Booth</i>	Panelis	Kode Sampel urutan penyajian					
I	# 1, 6, 11, 16, 21, 26	116	138	848	135	339	143 <sup>1,6,11,16,21,26</sup>
II	# 2, 7, 12, 17, 22, 27	165	222	513	215	655	532 <sup>2,7,12,17,22,27</sup>
III	# 3, 8, 13, 18, 23, 28	797	495	862	789	662	787 <sup>3,8,13,18,23,28</sup>
IV	# 4, 9, 14, 19, 24, 29	926	487	112	721	861	882 <sup>4,9,14,19,24,29</sup>
V	# 5, 10, 15, 20, 25, 30	786	216	376	187	564	912 <sup>5,10,15,20,25,30</sup>

### Rekap kode sampel:

Sampel A	116	165	862	112	216
Sampel B	138	513	797	487	786
Sampel C	848	222	495	926	376
Sampel D	135	215	789	721	187
Sampel E	339	655	662	861	564
Sampel F	143	532	787	882	912

## Worksheet Uji Ranking Hedonik

Jenis Sampel : *Fruit Leather* Pepaya (Rasa)

### Identifikasi Sampel

Kode

<i>Fruit Leather</i> Pepaya dengan pengeringan dehumidifier ketebalan 5mm	A
<i>Fruit Leather</i> Pepaya dengan pengeringan dehumidifier ketebalan 7mm	B
<i>Fruit Leather</i> Pepaya dengan pengeringan dehumidifier ketebalan 9mm	C
<i>Fruit Leather</i> Pepaya dengan pengeringan STD ketebalan 5mm	D
<i>Fruit Leather</i> Pepaya dengan pengeringan STD ketebalan 7mm	E
<i>Fruit Leather</i> Pepaya dengan pengeringan STD ketebalan 9mm	F

### Kode kombinasi urutan penyajian:

ABCEFD = 1                      ABCFDE=4

ABCEDF = 2                      ABCDFE= 5

ABC FED =3

### Penyajian:

<i>Booth</i>	Panelis	Kode Sampel urutan penyajian						
I	# 1, 6, 11, 16, 21, 26	941	837	551	744	634	233	<sup>1,6,11,16,21,26</sup>
II	# 2, 7, 12, 17, 22, 27	464	313	474	333	536	927	<sup>2,7,12,17,22,27</sup>
III	# 3, 8, 13, 18, 23, 28	345	889	387	647	394	658	<sup>3,8,13,18,23,28</sup>
IV	# 4, 9, 14, 19, 24, 29	493	599	628	255	317	846	<sup>4,9,14,19,24,29</sup>
V	# 5, 10, 15, 20, 25, 30	416	174	449	269	883	276	<sup>5,10,15,20,25,30</sup>

### Rekap kode sampel:

Sampel A	941	464	345	493	416
Sampel B	837	313	889	599	174
Sampel C	551	474	387	628	449
Sampel D	233	536	658	317	269
Sampel E	744	333	394	846	276
Sampel F	634	927	647	255	883



## UJI RANKING HEDONIK

Nama :  
Produk: *Fruit Leather* pepaya  
Atribut: warna

Instruksi ;  
Di hadapan Anda terdapat 6 sampel *fruit leather*. Amati warna sampel secara berturutan dari kiri ke kanan. Setelah mengamati warna semua sampel, urutkan sampel dari yang paling Anda sukai (=1) hingga sampel yang paling kurang Anda sukai (=6).

Kode Sampel	Ranking (jangan ada yang double)
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

THANK YOU

## UJI RANKING HEDONIK

Nama :  
Produk: *Fruit Leather* pepaya  
Atribut: rasa

Instruksi :  
Berkumur-kumurlah dulu menggunakan air mineral sebelum menguji sampel.  
Di hadapan Anda terdapat 6 sampel *papaya leather*. Cicipi sampel secara berurutan dari kiri ke kanan, rasakan rasa manis masing-masing sampel. Setelah mencicipi rasa manis semua sampel, Urutkan sampel dari yang paling anda sukai (1) hingga sampel yang paling tidak disukai (= 6) dari segi rasa manis sampel tersebut.

Kode Sampel	Ranking (jangan ada yang double)
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

## UJI RANKING HEDONIK

Nama :  
Produk: *Fruit Leather* pepaya  
Atribut: tekstur - *Hardness*

Instruksi :  
Berkumur-kumurlah dulu menggunakan air mineral sebelum menguji sampel.  
Di hadapan Anda terdapat 6 sampel *papaya leather*. Sampel secara berurutan dari kiri ke kanan masing-masing digigit menggunakan gigi geraham sampai terputus. Setelah menggigit, sampel dikeluarkan dari mulut. Anda tidak diperbolehkan untuk menggigit sampel secara berulang. Urutkan sampel dari yang paling anda sukai (= 1) hingga sampel yang paling tidak disukai (= 6), dari segi tekstur (*hardness*) sampel tersebut.

Kode Sampel	Ranking (jangan ada yang double)
-------------	----------------------------------

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

THANK YOU