Lampiran 1. Uji Normalitas Data Kelarutan

Tests of Normality

	tl	Kolmogorov-Smirnov [a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
ph	tanpa lemak 75C	.2	4 6	.1	.8	6	.1
	tanpa lemak 100C	.2	6	.2 *	.8	6	.2
	dengan lemak 75C	.2	6	.2 *	.8	6	.0
	dengan lemak 100C	.1	6	.2 *	.9	6	.4
pH	tanpa lemak 75C	.1	7 6	.2 *	.9	6	.3
	tanpa lemak 100C	.2	6	.2 *	.9	6	.7
	dengan lemak 75C	.2	6	.2 *	.8	6	.1
	dengan lemak 100C	.1	6	.2 *	.9	6	.5
ph	tanpa lemak 75C	.1	0 6	.2 *	.9	6	.9
	tanpa lemak 100C	.1	6	.2 *	.9	6	.7
	dengan lemak 75C	.2	6	.2 *	.8	6	.2
	dengan lemak 100C	.3	6	.0	.8	6	.0

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

a. Lilliefors Significance Correction

Lampiran 2. Kelarutan *Edible Film* Menggunakan Uji Beda Duncan pada pH yang sama

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
ph	Between Groups	3697.206	4 3	1232.402	22.692	.0
	Within Groups	1086.189	20	54.309		
	Total	4783.395	23			
pH	Between Groups	8691.169	7 3	2897.056	205.775	.0
	Within Groups	281.575	20	14.079		
	Total	8972.744	23			
ph	Between Groups	10184.259	0 3	3394.753	34.102	.0
	Within Groups	1990.955	20	99.548		
	Total	12175.213	23			

ph

Duncan[a]

tl	N	Subset for alpha = .05		
		1	2	3
dengan lemak 100C	6	79.4667		
tanpa lemak 100C	6	81.3500		
dengan lemak 75C	6		97.1000	
tanpa lemak 75C	6			109.8800
Sig.		.6 g	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

pH

Duncan[a]

tl	N	Subset for alpha = .05		
		1	2	3
dengan lemak 100C	6	86.3267		
tanpa lemak 100C	6	87.1150		
dengan lemak 75C	6		121.2633	
tanpa lemak 75C	6			127.7367
Sig.		.7 g	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

ph

Duncan [a]

tl	N	Subset for alpha = .05		
		1	2	3
dengan lemak 100C	6	95.9683		
tanpa lemak 100C	6	103.7983		
dengan lemak 75C	6		123.1733	
tanpa lemak 75C	6			149.3617
Si		.1 g	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

Lampiran 3. Kelarutan *Edible Film* Menggunakan Uji Beda Duncan antar pH yang Berbeda pada Suhu 75^{0}C

ANOVA

		Sum of Squares	df	Mean Square	F	Si
tanpalemak	Between Groups	4690.606	2	2345.303	84.496	.0
	Within Groups	416.345	15	27.756		
	Total	5106.952	17			
denganlemak	Between Groups	2534.667	2	1267.333	8.010	.0
	Within Groups	2373.315	15	158.221		
	Total	4907.982	17			

tanpalemak

Duncan [a]

pelarut	N	Subset for alpha = .05		
		1	2	3
75C pH 4	6	109.8800		
75C pH 7	6		127.7367	
75 C pH 10	6			149.3617
Si		1.000	g.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

denganlemak

Duncan [a]

pelarut	N	Subset for alpha = .05	
		1	2
75C pH 4	6	97.1000	
75C pH 7	6		121.2633
75 C pH 10	6		123.1733
Si		1.000	g 7

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

Lampiran 4. Kelarutan *Edible Film* Menggunakan Uji Beda Duncan antar pH yang Berbeda pada suhu 100^{0}C

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
tanpalemak	Between Groups	1630.993	2	815.497	45.314	.0
	Within Groups	269.950	15	17.997		
	Total	1900.943	17			
denganlemak	Between Groups	824.653	2	412.326	20.678	.0
	Within Groups	299.109	15	19.941		
	Total	1123.761	17			

tanpalemak

Duncan[a]

		Subset for alpha = .05		
pelarut	N	1	2	3
100C pH 4	6	81.3500		
100C pH 7	6		87.1150	
100C pH 10	6			103.7983
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

denganlemak

Duncan[a]

		Subset for alpha = .05		
pelarut	N	1	2	3
100C pH 4	6	79.4667		
100C pH 7	6		86.3267	
100C pH 10	6			95.9683
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

Lampiran 5. Perhitungan Laju Transmisi Uap Air

Diketahui diameter *bekker glass* (D) = 5,5 cm

Luas area (A) =

= 23,746

Transmisi Uap Air = → Δn = berat *edible* - berat mula-mula

T = waktu penimbangan

A = Luas permukaan

Tabel Hasil Pengukuran Transmisi Uap Air

jam ke-	rata-rata berat film sorbitol 5%	Transmisi Uap Air Sorbitol 5% (gram/cm^2.jam)	rata-rata berat film sorbitol 0%	Transmisi Uap Air sorbitol 0% (gram/cm^2.jam)
0	74.89		72.73	
1	74.99	0.00442	72.78	0.00212
2	75.07	0.00377	72.84	0.00224
3	75.13	0.00334	72.88	0.00205
4	75.18	0.00313	72.92	0.00194
5	75.24	0.00301	72.96	0.00190
6	75.30	0.00293	73.00	0.00189
7	75.37	0.00288	73.05	0.00189
8	75.41	0.00276	73.08	0.00181
9	75.44	0.00261	73.11	0.00175
10	75.51	0.00260	73.14	0.00172
11	75.56	0.00256	73.18	0.00170
12	75.60	0.00251	73.21	0.00169

➢ Perhitungan Laju Transmisi Uap Air Sorbitol 5%:

- Transmisi uap air jam ke-1=

=

- Transmisi uap air jam ke-2=

=

- Transmisi uap air jam ke-3=

=

- Transmisi uap air jam ke-4=

=

- Transmisi uap air jam ke-5=

=

- Transmisi uap air jam ke-6=

=

- Transmisi uap air jam ke-7=

=

- Transmisi uap air jam ke-8=

=

- Transmisi uap air jam ke-9=

=

- Transmisi uap air jam ke-10=

=

- Transmisi uap air jam ke-11=

=

- Transmisi uap air jam ke-12=

=

➢ Perhitungan Laju Transmisi Uap Air Sorbitol 0%:

- Transmisi uap air jam ke-1=

=

- Transmisi uap air jam ke-2=

=

- Transmisi uap air jam ke-3=

=

- Transmisi uap air jam ke-4=

=

- Transmisi uap air jam ke-5=

=

- Transmisi uap air jam ke-6=

=

- Transmisi uap air jam ke-7=

=

- Transmisi uap air jam ke-8=

=

- Transmisi uap air jam ke-9=

=

- Transmisi uap air jam ke-10=

=

- Transmisi uap air jam ke-11=

=

- Transmisi uap air jam ke-12=

=

Lampiaran 6. Uji Normalitas Laju Transmisi Uap Air

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	jamke	Statistic	df	Sig.	Statistic	df	Sig.
kontrol	1.00	.383	6	.000	.805	6	.067
	2.00	.383	6	.000	.805	6	.067
	3.00	.383	6	.000	.805	6	.067
	4.00	.383	6	.000	.805	6	.067
	5.00	.383	6	.000	.805	6	.067
	6.00	.383	6	.000	.805	6	.067
	7.00	.383	6	.000	.805	6	.067
	8.00	.383	6	.000	.805	6	.067
	9.00	.383	6	.000	.805	6	.067
	10.00	.383	6	.000	.805	6	.067
	11.00	.383	6	.000	.805	6	.067
	12.00	.383	6	.000	.805	6	.067
	13.00	.383	6	.000	.805	6	.067

a. Lilliefors Significance Correction

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	jamke	Statistic	df	Si	Statistic	df	Si
sorbitol	1.	.1	6	.2	.9	6	.9
	2.	.1	6	.2	.9	6	.9
	3.	.1	6	.2	.9	6	.9
	4.	.1	6	.2	.9	6	.9
	5.	.1	6	.2	.9	6	.9
	6.	.1	6	.2	.9	6	.9
	7.	.1	6	.2	.9	6	.9
	8.	.1	6	.2	.9	6	.9
	9.	.2	6	.2	.9	6	.9
	10.00	.2	6	.2	.9	6	.9
	11.00	.2	6	.2	.9	6	.9
	12.00	.2	6	.2	.9	6	.8
	13.00	.2	6	.2	.9	6	.8

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

a. Lilliefors Significance Correction

Lampiran 7. Uji Normalitas *Texture Analyzer*

Tests of Normality

		Kolmogorov-Smirnov [a]			Shapiro-Wilk		
	perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
kuattarik	sorbitol 5%	.1	6	.2 *	.9	6	.8
	sorbitol 0%	.1	6	.2 *	.9	6	.7

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

a. Lilliefors Significance Correction

Tests of Normality

		Kolmogorov-Smirnov [a]			Shapiro-Wilk		
	perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
elongasi	sorbitol 5%	.1	6	.2 *	.9	6	.9
	sorbitol 0%	.2	6	.2 *	.9	6	.6

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

a. Lilliefors Significance Correction

Lampiran 8. Uji Beda *Texture Analyzer* Menggunakan Independent-Sample T test

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	S	t	df	Sig. (2-tailed)	M e Difference	Std. Error Difference	Lower	Upper
kuattarik	Equal variances assumed	5.300	.0	-12.476	10	.0	-.73867	.05921	-.87059	-.60675
	Equal variances not assumed			-12.476	5.193	.0	-.73867	.05921	-.88917	-.58816

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	S	t	df	Sig. (2-tailed)	M e Difference	Std. Error Difference	Lower	Upper
elongasi	Equal variances assumed	8.134	.0	10.123	10	.0	11.11067	1.09757	8.66512	13.55622
	Equal variances not assumed			10.123	5.277	.0	11.11067	1.09757	8.33328	13.88805