

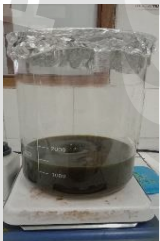




Lampiran A Dokumentasi Penelitian



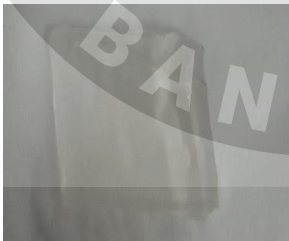
A.1 Proses Ekstraksi

No	Gambar	Keterangan Gambar
1		Daun Belimbing wuluh kering
2		Daun belimbing wuluh setelah dihaluskan dan disaring
3		Proses Ekstraksi dengan menggunakan Etanol 96 %
4		Proses Soklethasi untuk pengentalan larutan Ekstrak daun belimbing wuluh
5		Larutan hasil ekstraksi dengan menggunakan ethanol



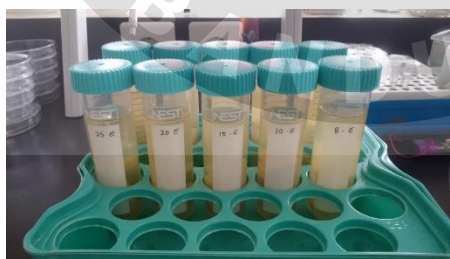
A.2 Sintesa Hydrogel Natrium Alginate

No	Gambar	Keterangan Gambar
1		Bubuk Natrium Alginate
2		Sintesa hydrogel natrium alginat
4		Hasil Sintesa berupa Hydrogel Alaginate
5		Hasil Proses Coating Natrium Alginate





Lampiran B Dokumentasi Pengujian**B.1 Pengujian Swelling Ratio**

1		Proses perendaman gel dalam air
2		Hydrogel yang telah di rendam di tiriskan
3		Hydrogel yang telah mengalami swelling atau pengembangan

B.2 Evaluasi Antibakteri

No	Gambar	Keterangan Gambar
1		<p>Persiapan alat yang digunakan dalam pengujian</p>
2		<p>Persiapan Sample dan Bakteri</p>
3		<p>Pengujian antibakteri</p>

B.3 Evaluasi Moisture Vapor Resistance

No	Gambar	Keterangan Gambar
1		Mesin SGHP (sweating Guarded Hot plate)
2		Pemasangan Cellophane atau Membran
3		Pengujian kain blanko
4		Pengujian Sample Hydrogel

Lampiran C Data Pengujian Swelling Ratio

C.1 Konsentrasi CaCl₂ 3%

Alginate	Wn (g)	Wo (g)	Time (min)	Wt (g)	Swelling Ratio(g/gH ₂ O)
2% (b/v)	0,2012	0,2462	10	0,5412	0,3810
			20	0,6082	0,6531
			30	0,6431	0,7949
			40	0,7066	1,0528
			50	0,7618	1,2770
			60	0,8454	1,6166
			70	0,9142	1,8960
			80	0,9567	2,0686
			90	0,9864	2,1893
			100	1,0354	2,3883
			110	1,1071	2,6795
			120	1,1823	2,9850

Alginate	Wn (g)	Wo (g)	Time (min)	Wt (g)	Swelling Ratio(g/gH ₂ O)
3% (b/v)	0,1779	0,3817	10	0,7244	0,4318
			20	0,8104	0,6571
			30	0,8732	0,8216
			40	1,0031	1,1619
			50	1,0803	1,3642
			60	1,1757	1,6141
			70	1,217	1,7223
			80	1,3144	1,9775
			90	1,3215	1,9961
			100	1,3423	2,0506
			110	1,3576	2,0906
			120	1,3628	2,1043

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Alginate	Wn (g)	Wo (g)	Time (min)	Wt (g)	Swelling Ratio(g/gH ₂ O)
5% (b/v)	0,1953	0,4099	10	0,7481	0,3486
			20	0,851	0,5997
			30	0,9297	0,7917
			40	1,0188	1,0090
			50	1,1339	1,2898
			60	1,2364	1,5399
			70	1,2626	1,6038
			80	1,3397	1,7919
			90	1,357	1,8341
			100	1,4136	1,9722
			110	1,4614	2,0888
			120	1,469	2,1073

Alginate	Wn (g)	Wo (g)	Time (min)	Wt (g)	Swelling Ratio(g/gH ₂ O)
7% (b/v)	0,2218	0,4162	10	0,6672	0,0702
			20	0,8662	0,5483
			30	0,8746	0,5685
			40	0,9401	0,7259
			50	1,0043	0,8801
			60	1,0212	0,9207
			70	1,0405	0,9671
			80	1,0519	0,9945
			90	1,0944	1,0966
			100	1,1514	1,2335
			110	1,1122	1,1394
			120	1,1019	1,1146

Alginate	Wn (g)	Wo (g)	Time (min)	Wt (g)	Swelling Ratio(g/gH ₂ O)
10% (b/v)	0,2002	0,2501	10	0,7995	1,3962
			20	0,9697	2,0768
			30	0,9339	1,9336
			40	0,9343	1,9352
			50	0,9914	2,1635
			60	1,0468	2,3850
			70	1,1017	2,6046
			80	1,09	2,5578
			90	1,11	2,6377
			100	1,196	2,9816
			110	1,1799	2,9172
			120	1,1705	2,8796

C.2 Konsentrasi CaCl₂ 5%

Alginate	Wn (g)	Wo (g)	Time (min)	Wt (g)	Swelling Ratio(g/gH ₂ O)
2% (b/v)	0,1894	0,1117	10	0,4406	1,2489
			20	0,6379	3,0152
			30	0,6582	3,1970
			40	0,6205	2,8594
			50	0,6373	3,0098
			60	0,6518	3,1397
			70	0,6492	3,1164
			80	0,6882	3,4655
			90	0,7331	3,8675
			100	0,8151	4,6016
			110	0,7709	4,2059
			120	0,7685	4,1844

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Alginate	Wn (g)	Wo (g)	Time (min)	Wt (g)	Swelling Ratio(g/gH ₂ O)
3% (b/v)	0,2348	0,2551	10	0,6153	0,4916
			20	0,8947	1,5868
			30	0,9567	1,8299
			40	0,9855	1,9428
			50	1,1008	2,3947
			60	1,1772	2,6942
			70	1,1487	2,5825
			80	1,1788	2,7005
			90	1,249	2,9757
			100	1,2987	3,1705
			110	1,2936	3,1505
			120	1,292	3,1443

Alginate	Wn (g)	Wo (g)	Time (min)	Wt (g)	Swelling Ratio(g/gH ₂ O)
5% (b/v)	0,2116	0,2426	10	0,6858	0,9547
			20	0,7695	1,2997
			30	0,9048	1,8574
			40	0,8414	1,5960
			50	0,871	1,7181
			60	0,9359	1,9856
			70	0,9427	2,0136
			80	0,9964	2,2350
			90	0,9448	2,0223
			100	1,0083	2,2840
			110	1,0252	2,3537
			120	1,0295	2,3714

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Alginate	Wn (g)	Wo (g)	Time (min)	Wt (g)	Swelling Ratio(g/gH ₂ O)
7%(b/v)	0,1932	0,166	10	0,4911	0,7946
			20	0,6291	1,6259
			30	0,8324	2,8506
			40	0,7643	2,4404
			50	0,7834	2,5554
			60	0,8815	3,1464
			70	0,8485	2,9476
			80	0,8897	3,1958
			90	0,8481	2,9452
			100	0,876	3,1133
			110	0,9306	3,4422
			120	0,9512	3,5663

Alginate	Wn (g)	Wo (g)	Time (min)	Wt (g)	Swelling Ratio(g/gH ₂ O)
10%(b/v)	0,2012	0,4135	10	0,8702	0,6179
			20	1,192	1,3961
			30	1,3856	1,8643
			40	1,259	1,5582
			50	1,3581	1,7978
			60	1,4515	2,0237
			70	1,4878	2,1115
			80	1,5222	2,1947
			90	1,517	2,1821
			100	1,6218	2,4356
			110	1,624	2,4409
			120	1,6254	2,4443

Lampiran D Evaluasi Antibakteri

Hasil Perhitungan Pelat Jam ke-0 Pada bakteri *Escherichia coli*

No.	Sampel Kain	Pengenceran								CB	M	Log M
		10 ⁻¹	10 ⁻²	10 ⁻³	10 ⁻⁴	10 ⁻⁵	10 ⁻⁶	10 ⁻⁷	10 ⁻⁸			
1	Blanko	TBUD	TBUD	TBUD	89	17	9	2	0	89 x 10 ⁴	1,78x 10 ⁷	7,25
2	10%	TBUD	TBUD	TBUD	55	13	3	0	0	55 x 10 ⁴	1,10x 10 ⁷	7,04
3	15%	TBUD	TBUD	TBUD	32	11	1	0	0	32 x 10 ⁴	6,40 x 10 ⁶	6,81
4	20%	TBUD	TBUD	TBUD	31	9	0	0	0	31 x 10 ⁴	6,20 x 10 ⁶	6,79
5	25%	TBUD	TBUD	TBUD	26	8	3	0	0	26 x 10 ⁴	5,20 x 10 ⁶	6,71

Hasil Perhitungan Pelat Jam ke-20 Pada bakteri *Escherichia coli*

No.	Sampel Kain	Pengenceran								CB	M	Log M
		10 ⁻¹	10 ⁻²	10 ⁻³	10 ⁻⁴	10 ⁻⁵	10 ⁻⁶	10 ⁻⁷	10 ⁻⁸			
1	Blanko	TBUD	TBUD	TBUD	TBUD	182	27	13	1	22,6 x 10 ⁶	4,52x 10 ⁸	8,63
2	10%	TBUD	TBUD	TBUD	TBUD	89	19	7	1	89 x 10 ⁵	1,78x 10 ⁸	8,25
3	15%	TBUD	TBUD	TBUD	287	70	15	9	0	49,35 x 10 ⁵	9,87 x 10 ⁷	7,99
4	20%	TBUD	TBUD	TBUD	232	73	7	5	0	48,10 x 10 ⁵	9,62 x 10 ⁷	7,98
5	25%	TBUD	TBUD	TBUD	205	64	9	6	0	42,25 x 10 ⁵	8,45 x 10 ⁷	7,93

Hasil Perhitungan Pelat Jam ke-0 Pada bakteri *Staphylococcus aureus*

No.	Sampel Kain	Pengenceran									CB	M	Log M
		10 ⁻¹	10 ⁻²	10 ⁻³	10 ⁻⁴	10 ⁻⁵	10 ⁻⁶	10 ⁻⁷	10 ⁻⁸	10 ⁻⁹			
1	Blanko	TBUD	TBUD	TBUD	89	17	9	2	0	0	89 x 10 ⁴	1,78 x 10 ⁷	7,25
2	10%	TBUD	TBUD	TBUD	55	13	3	0	0	0	55 x 10 ⁴	1,10 x 10 ⁷	7,04
3	15%	TBUD	TBUD	TBUD	32	11	1	0	0	0	32 x 10 ⁴	6,40 x 10 ⁶	6,81
4	20%	TBUD	TBUD	TBUD	31	9	0	0	0	0	31 x 10 ⁴	6,20 x 10 ⁶	6,79
5	25%	TBUD	TBUD	TBUD	26	8	3	0	0	0	26 x 10 ⁴	5,20 x 10 ⁶	6,71

Hasil Perhitungan Pelat Jam ke-20 Pada bakteri *Staphylococcus aureus*

No.	Sampel Kain	Pengenceran									CB	M	Log M
		10 ⁻¹	10 ⁻²	10 ⁻³	10 ⁻⁴	10 ⁻⁵	10 ⁻⁶	10 ⁻⁷	10 ⁻⁸	10 ⁻⁹			
1	Blanko	TBUD	TBUD	TBUD	TBUD	149	75	38	19	0	15,66 x 10 ⁷	3,13 x 10 ⁹	9,50
2	10%	TBUD	TBUD	TBUD	TBUD	136	51	17	12	0	32,30 x 10 ⁶	6,46 x 10 ⁸	8,81
3	15%	TBUD	TBUD	TBUD	TBUD	128	33	11	5	0	22,90 x 10 ⁶	4,58 x 10 ⁸	8,66
4	20%	TBUD	TBUD	TBUD	TBUD	134	28	14	8	0	20,70 x 10 ⁶	4,14 x 10 ⁸	8,61
5	25%	TBUD	TBUD	TBUD	TBUD	102	19	10	1	0	102 x 10 ⁵	2,04 x 10 ⁸	8,31

Keterangan :

1. TBUD; Terlalu banyak untuk dihitung (Jumlah koloni > 250)
2. Jumlah koloni bakteri yang dihitung adalah antara 25 – 250 koloni.
3. $CB = z \times R$
 $M = CB \times 20$
 CB = Konsentrasi Bakteri (CFU/ml)
 Z = Nilai rata-rata jumlah koloni pada cawan petri
 R = Pengenceran
 M = Jumlah bakteri per contoh uji
 20 = Volume larutan yang dikocok sebelum dilakukan pengenceran (ml)



Lampiran E Evaluasi Moisture Vapor Resistance

E.1 Tabel Nilai Ret Bare Plate pada Blanko

SDL ATLAS		SWEATING GUARDED HOT-PLATE					Vapour Resistance Test (Ret)							
Date	7/10/2020	Sample Description												
Company							samuel		Ref NO					
β	0,0000	Ret0	0,000	Rct A	0,000	Comment								
Temp Air set	35,00	R/H set	40,0	Pm-Pa	3374,4	T-times	15							
No	Time	Volts	Amps	Power	T-Mu	Watts	Temp Mu	Temp Grd	Temp Dow	Temp Air	R/H	Air Speed	RET_A	
1	12:27:48	23,504	2,336	54,905	499,827	30,492	35,77	35,56	35,02	35,00	39,98	1,00	7,1378	
2	12:42:51	23,504	2,337	54,929	447,618	27,319	35,69	35,39	34,98	35,00	39,94	1,00	7,9669	
3	12:57:48	23,506	2,341	55,028	445,577	27,243	34,99	34,99	34,99	35,00	39,97	1,00	7,9891	
4	01:13:49	23,505	2,341	55,025	445,577	27,242	34,99	34,99	34,99	35,00	39,97	1,01	7,9894	
5	01:16:00	23,505	2,341	55,025	448,543	27,424	35,00	34,99	35,00	35,01	39,99	1,00	7,9366	
6	01:31:00	23,506	2,341	55,028	448,938	27,449	35,00	34,99	35,00	35,00	39,94	1,00	7,9293	

E.2 Tabel Nilai Ret Blanko kain nonwoven spunbond

SDL ATLAS		SWEATING GUARDED HOT-PLATE					Vapour Resistance Test (Ret)							
Date	7/10/2020	Sample Description												
Company							samuel		Ref NO					
β	0,0000	Ret0	0,000	Rct A	0,000	Comment								
Temp Air set	35,00	R/H set	40,0	Pm-Pa	3374,4	T-times	15							
No	Time	Volts	Amps	Power	T-Mu	Watts	Temp Mu	Temp Grd	Temp Dow	Temp Air	R/H	Air Speed	RET_A	
1	01:48:19	23,506	2,341	55,028	398,331	24,355	35,66	35,01	35,00	35,00	39,96	1,01	8,9366	
2	02:03:16	23,506	2,341	55,028	350,543	21,433	35,54	34,97	35,00	35,00	39,97	1,00	10,1549	
3	02:18:19	23,506	2,342	55,051	353,916	21,648	34,97	35,00	35,00	35,00	39,98	1,00	10,0539	
4	02:33:24	23,506	2,341	55,028	362,882	22,187	34,99	34,99	35,00	35,00	39,94	1,00	9,8096	
5	02:48:17	23,506	2,341	55,028	363,491	22,224	35,00	34,99	35,00	35,00	39,98	1,00	9,7932	

E.3 Tabel Nilai Ret Bare plate untuk Hydrogel 1 mm

SDL ATLAS		SWEATING GUARDED HOT-PLATE					Vapour Resistance Test (Ret)							
Date	7/16/2020	Sample Description												
Company							arysam		Ref NO					
β	0,0000	Ret0	0,000	Rct A	0,000	Comment								
Temp Air set	35,00	R/H set	40,0	Pm-Pa	3374,4	T-times	15							
No	Time	Volts	Amps	Power	T-Mu	Watts	Temp Mu	Temp Grd	Temp Dow	Temp Air	R/H	Air Speed	RET_A	
1	09:29:23	23,499	2,339	54,964	676,585	41,320	34,86	32,51	35,01	35,00	39,96	1,01	5,2674	
2	09:44:23	23,500	2,339	54,967	660,817	40,359	35,01	32,82	34,90	35,00	39,98	1,01	5,3929	
3	09:59:22	23,498	2,336	54,891	640,493	39,064	35,00	33,41	35,12	35,00	39,96	1,00	5,5716	
4	10:14:24	23,499	2,337	54,917	631,809	38,552	35,01	33,83	35,04	35,00	39,94	1,00	5,6455	
5	10:29:24	23,500	2,336	54,896	619,560	37,790	35,01	34,37	35,00	35,00	39,96	1,01	5,7594	
6	10:44:27	23,502	2,337	54,924	607,717	37,087	35,00	34,82	35,01	35,00	39,95	1,01	5,8686	
7	10:59:24	23,502	2,337	54,924	605,733	36,966	35,01	35,00	35,00	35,00	39,98	1,01	5,8878	
8	11:14:25	23,500	2,336	54,896	604,244	36,856	35,00	34,99	35,00	35,00	39,96	1,01	5,9054	
9	11:14:25	23,500	2,336	54,896	604,244	36,856	35,00	34,99	35,00	35,00	39,96	1,01	5,9054	

E.4 Tabel nilai Ret Hydrogel 1 mm

SDL ATLAS		SWEATING GUARDED HOT-PLATE					Vapour Resistance Test (Ret)							
Date	7/16/2020	Sample Description												
Company							samuel		Ref NO					
β	0,0000	Ret0	0,000	Rct_A	0,000	Comment								
Temp Air set	35,00	R/H set	40,0	Pm-Pa	3374,4	T-times	15							
No	Time	Volts	Amps	Power	T-Mu	Watts	Temp Mu	Temp Grd	Temp Dow	Temp Air	R/H	Air Speed	RET_A	
1	11:33:17	23,500	2,336	54,896	559,723	34,141	35,80	35,93	35,02	35,01	39,99	1,01	6,3751	
2	11:48:33	23,500	2,336	54,896	494,047	30,135	35,79	35,86	35,00	35,00	39,95	1,00	7,2225	
3	12:03:18	23,500	2,336	54,896	465,608	28,400	35,37	35,28	34,98	35,00	39,95	1,00	7,6637	
4	12:18:21	23,501	2,337	54,922	486,315	29,677	35,00	35,00	34,99	35,00	39,96	1,00	7,3339	
5	12:33:17	23,502	2,339	54,971	490,285	29,946	35,00	34,99	35,00	35,00	39,98	1,00	7,2680	
6	12:48:19	23,501	2,339	54,969	493,398	30,135	34,99	35,00	35,00	35,00	39,97	1,00	7,2225	

E.5 Tabel Nilai Ret Bare plate Hydrogel 3mm

SDL ATLAS		SWEATING GUARDED HOT-PLATE					Vapour Resistance Test (Ret)							
Date	7/14/2020	Sample Description												
Company							sary		Ref NO					
β	0,0000	Ret0	0,000	Rct_A	0,000	Comment								
Temp Air set	35,00	R/H set	40,0	Pm-Pa	3374,4	T-times	15							
No	Time	Volts	Amps	Power	T-Mu	Watts	Temp Mu	Temp Grd	Temp Dow	Temp Air	R/H	Air Speed	RET_A	
1	10:03:06	23,502	2,339	54,971	631,820	38,591	34,53	34,30	34,74	35,00	39,97	1,00	5,6399	
2	10:18:07	23,502	2,339	54,971	614,553	37,536	35,01	34,70	34,81	35,00	39,94	1,00	5,7983	
3	10:33:04	23,503	2,337	54,927	605,485	36,952	35,00	35,00	35,11	35,00	39,94	1,00	5,8900	
4	10:48:04	23,502	2,337	54,924	604,064	36,864	34,99	34,99	35,04	35,00	39,95	1,00	5,9041	
5	11:03:07	23,501	2,336	54,898	603,985	36,842	35,01	35,00	34,99	35,00	39,96	1,00	5,9076	
6	11:18:07	23,504	2,337	54,929	604,064	36,867	34,99	34,99	35,01	35,00	39,96	1,00	5,9036	

E.6 Tabel Nilai Ret Hydrogel 3 mm

SDL ATLAS		SWEATING GUARDED HOT-PLATE					Vapour Resistance Test (Ret)							
Date	7/14/2020	Sample Description												
Company							samuel		Ref NO					
β	0,0000	Ret0	0,000	Rct_A	0,000	Comment								
Temp Air set	35,00	R/H set	40,0	Pm-Pa	3374,4	T-times	15							
No	Time	Volts	Amps	Power	T-Mu	Watts	Temp Mu	Temp Grd	Temp Dow	Temp Air	R/H	Air Speed	RET_A	
1	01:25:33	23,502	2,341	55,018	465,100	28,432	34,52	35,00	35,00	35,00	39,98	1,01	7,6550	
2	01:40:31	23,501	2,339	54,969	464,559	28,374	34,98	34,99	35,01	35,00	39,94	1,00	7,6708	
3	01:55:32	23,500	2,337	54,920	475,352	29,007	34,99	35,00	35,00	35,00	39,95	1,00	7,5034	
4	02:10:35	23,504	2,341	55,023	481,713	29,450	34,99	35,00	35,00	35,00	39,97	1,01	7,3904	

E.7 Tabel Nilai Ret Bare plate Hydrolgel 5 mm

SDL ATLAS		SWEATING GUARDED HOT-PLATE					Vapour Resistance Test (Ret)										
Date	7/16/2020	Sample Description															
Company							arysam		Ref NO								
β		0,0000	Ret0	0,000	Rct_A	0,000						Comment					
Temp Air set		35,00	R/H set	40,0	Pm-Pa	3374,4	T-times	15									
No	Time	Volts	Amps	Power	T-Mu	Watts	Temp Mu	Temp Grd	Temp Dow	Temp Air	R/H	Air Speed	RET_A				
1	09:29:23	23,499	2,339	54,964	676,585	41,320	34,86	32,51	35,01	35,00	39,96	1,01	5,2674				
2	09:44:23	23,500	2,339	54,967	660,817	40,359	35,01	32,82	34,90	35,00	39,98	1,01	5,3929				
3	09:59:22	23,498	2,336	54,891	640,493	39,064	35,00	33,41	35,12	35,00	39,96	1,00	5,5716				
4	10:14:24	23,499	2,337	54,917	631,809	38,552	35,01	33,83	35,04	35,00	39,94	1,00	5,6455				
5	10:29:24	23,500	2,336	54,896	619,560	37,790	35,01	34,37	35,00	35,00	39,96	1,01	5,7594				
6	10:44:27	23,502	2,337	54,924	607,717	37,087	35,00	34,82	35,01	35,00	39,95	1,01	5,8686				
7	10:59:24	23,502	2,337	54,924	605,733	36,966	35,01	35,00	35,00	35,00	39,98	1,01	5,8878				
8	11:14:25	23,500	2,336	54,896	604,244	36,856	35,00	34,99	35,00	35,00	39,96	1,01	5,9054				
9	11:14:25	23,500	2,336	54,896	604,244	36,856	35,00	34,99	35,00	35,00	39,96	1,01	5,9054				

E.8 Tabel Nilai Ret Hydrolgel 5 mm

SDL ATLAS		SWEATING GUARDED HOT-PLATE					Vapour Resistance Test (Ret)										
Date	7/16/2020	Sample Description															
Company							samuel		Ref NO								
β		0,0000	Ret0	0,000	Rct_A	0,000						Comment					
Temp Air set		35,00	R/H set	40,0	Pm-Pa	3374,4	T-times	15									
No	Time	Volts	Amps	Power	T-Mu	Watts	Temp Mu	Temp Grd	Temp Dow	Temp Air	R/H	Air Speed	RET_A				
1	01:05:19	23,500	2,337	54,920	507,553	30,972	32,98	34,86	34,99	35,00	40,00	1,01	7,0273				
2	01:20:23	23,502	2,342	55,042	465,348	28,459	34,87	34,99	35,01	35,00	39,97	1,01	7,6477				
3	01:35:19	23,500	2,339	54,967	466,047	28,463	34,99	35,00	35,00	35,00	39,95	1,01	7,6466				
4	01:50:22	23,500	2,339	54,967	470,591	28,741	34,99	35,00	35,00	35,00	39,95	1,00	7,5728				
5	02:05:21	23,499	2,339	54,964	473,412	28,912	34,99	34,99	35,01	35,00	39,96	1,00	7,5280				

Lampiran F Perhitungan Statistika Metode One Way Anova

F.1 Deskriptive Ketebalan Hydrogel Descriptives

	Thickness		Statistic	Std. Error		
Ref	1.00	Mean	1.3782	.03234		
		95% Confidence Interval for Mean	Lower Bound	1.2391		
			Upper Bound	1.5173		
		5% Trimmed Mean	.			
		Median	1.3714			
		Variance	.003			
		Std. Deviation	.05601			
		Minimum	1.33			
		Maximum	1.44			
		Range	.11			
		Interquartile Range	.			
		Skewness	.538	1.225		
		Kurtosis	.	.		
		2.00	2.00	Mean	1.6128	.08145
				95% Confidence Interval for Mean	Lower Bound	1.2624
Upper Bound	1.9633					
5% Trimmed Mean	.					
Median	1.5947					
Variance	.020					
Std. Deviation	.14108					
Minimum	1.48					
Maximum	1.76					
Range	.28					
Interquartile Range	.					
Skewness	.569			1.225		
Kurtosis	.			.		
3.00	3.00			Mean	1.6859	.03458
				95% Confidence Interval for Mean	Lower Bound	1.5371
		Upper Bound	1.8346			

5% Trimmed Mean	.	
Median	1.6762	
Variance	.004	
Std. Deviation	.05989	
Minimum	1.63	
Maximum	1.75	
Range	.12	
Interquartile Range	.	
Skewness	.707	1.225
Kurtosis	.	.

F.2 Tabel Nilai Normalitas Data

Tests of Normality							
	Thickness	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Ref	1.00	.215	3	.	.989	3	.799
	2.00	.218	3	.	.988	3	.787
	3.00	.231	3	.	.980	3	.732

a. Lilliefors Significance Correction

F.3 Tabel Nilai Homogenitas Data

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
Ref	Based on Mean	1.532	2	6	.290
	Based on Median	.931	2	6	.445
	Based on Median and with adjusted df	.931	2	3.416	.476
	Based on trimmed mean	1.491	2	6	.298

F.4 Tabel Nilai One way Anova**ANOVA**

Ref

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.155	2	.078	8.734	.017
Within Groups	.053	6	.009		
Total	.208	8			

