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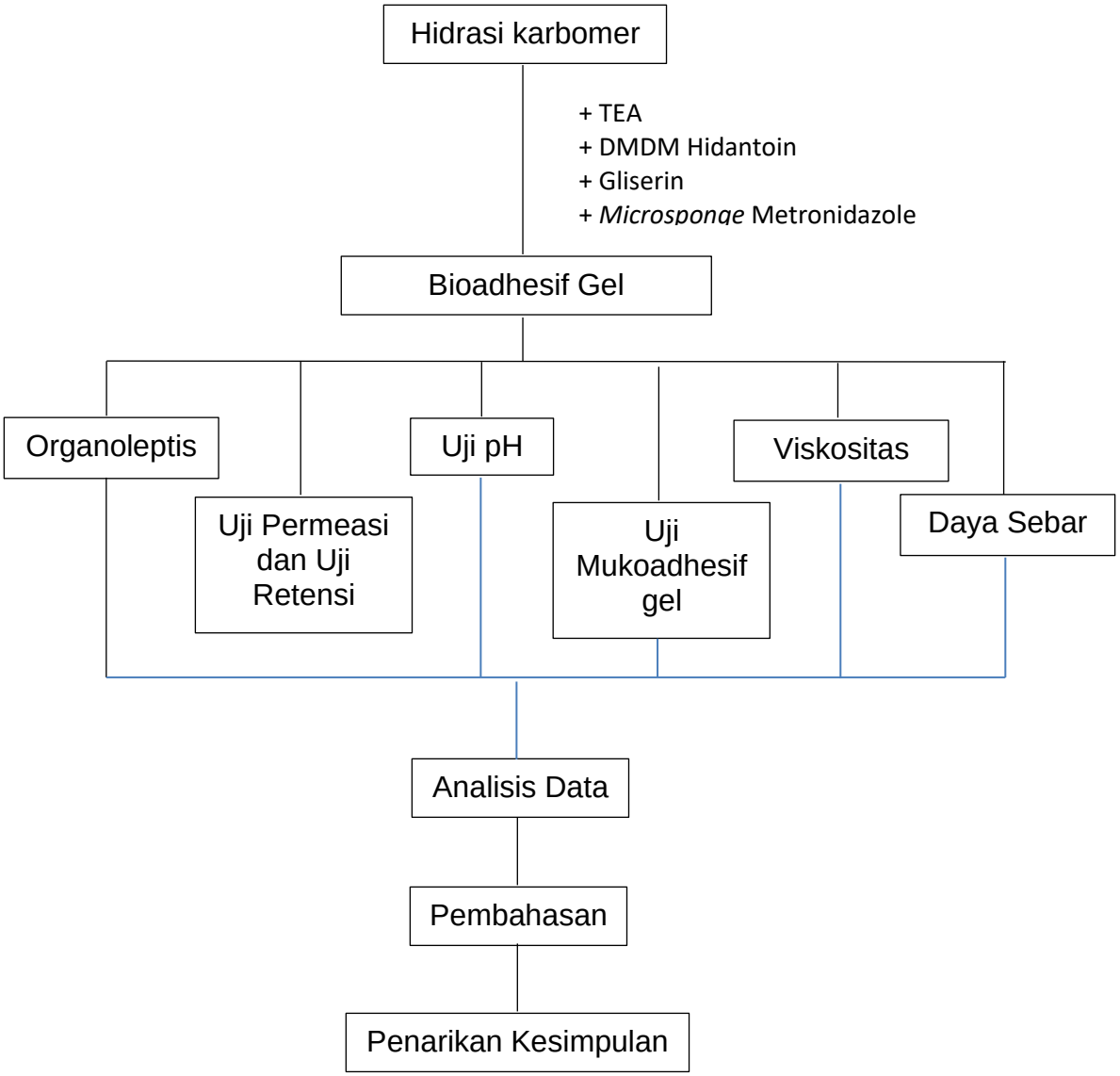
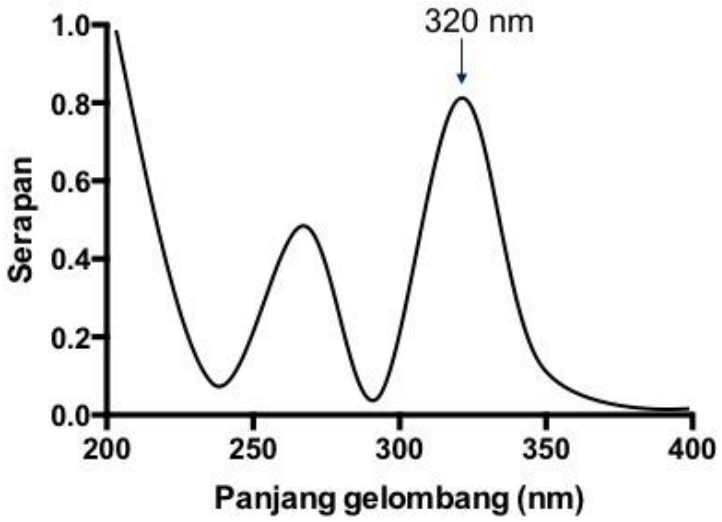
LAMPIRAN

Lampiran 1. Skema Kerja Penelitian



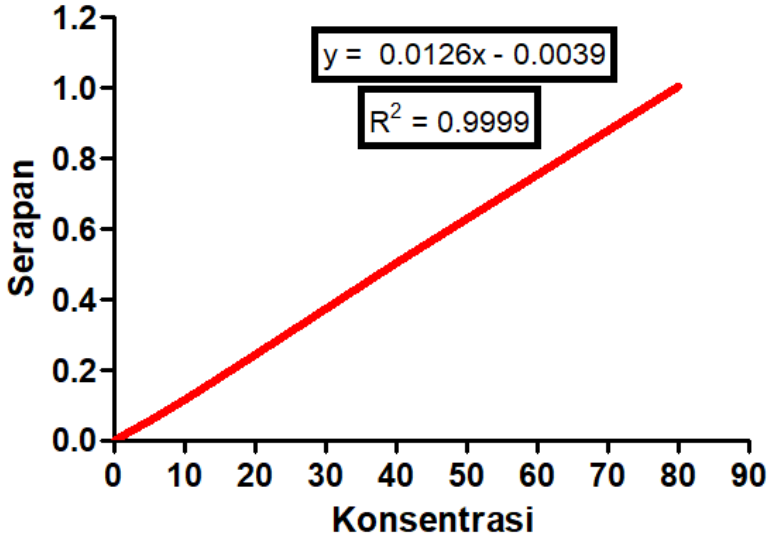
Lampiran 2. Panjang Gelombang Maksimum dan Kurva Baku

Lampiran 2.1. Panjang Gelombang Maksimum



Gambar 15. Panjang gelombang maksimum

Lampiran 2.2. Kurva Baku



Gambar 16. Persamaan Kurva Baku

Lampiran 3. Perhitungan

a. Uji Permeasi *Microsponge* Gel

Persamaan: y = 0.0126x - 0.0039

Dimana: y = serapan; x = konsentrasi

Pada F3 Replikasi 1 jam 2 diperoleh serapan = 0.0352

Sehingga, untuk mendapatkan konsentrasi:

0.0352 = 0,0126x – 0,0039

$$x = \frac{\mathbf{0{,}0352 + 0{,}0039}}{\mathbf{0{,}0126}}$$

x = 3,11 µg/mL

Konsentrasi dalam 1,5 mL = 3,11 µg x 1,5 mL = 4,66 µg/mL

Konsentrasi dalam 28 mL = $\frac{\mathbf{3{,}11\ \mu g/mL\ x\ 28\ mL}}{\mathbf{1000}}$ = 0,09 mg

Faktor koreksi = $\frac{\text{Konsentrasi jam sebelumnya}}{1000}$ + Faktor koreksi jam sebelumnya

= $\frac{0\ \mu g}{1000}$ + 0

= 0

Jumlah terpermeasi = konsentrasi dalam 28 mL + Faktor koreksi

= 0,09 + 0

= 0,09

Pada F3 Replikasi 1 jam 5 diperoleh serapan = 0.0529

Sehingga, untuk mendapatkan konsentrasi:

0.0529= 0,0126x – 0,0039

$$x = \frac{\mathbf{0.0529 + 0{,}0039}}{\mathbf{0{,}0126}}$$

x = 4,51 µg/mL

Konsentrasi dalam 1,5 mL = 4,51 µg x 1,5 mL = 6,77 µg/mL

Konsentrasi dalam 28 mL = $\frac{\mathbf{4{,}51\ \mu g/mL\ x\ 28\ mL}}{\mathbf{1000}}$ = 0,12 mg

Faktor koreksi = $\frac{\text{Konsentrasi jam sebelumnya}}{1000}$ + Faktor koreksi jam sebelumnya

= $\frac{4{,}13\ \mu g}{1000}$ + 0,01

= 0,02

Jumlah terpermeasi = konsentrasi dalam 28 mL + Faktor koreksi

= 0,12 + 0,02

= 0,14

b. Uji Retensi *Microsponge* Gel

Persamaan: y = 0.0126x - 0.0039

Dimana; y = serapan : x = konsentrasi

Pada F3 Replikasi 1, diperoleh serapan 0,81

Sehingga, untuk mendapatkan kosentrasi:

0,81 = 0,0126x – 0,0039

$$x = \frac{\mathbf{0{,}81 + 0{,}0039}}{\mathbf{0{,}0126}}$$

x = 64,59 µg/mL

Jumlah MTZ yang terdeposisi = $\frac{\mathbf{69{,}59}}{\mathbf{1000}}$ x 30 mL = 1,94 mg

Lampiran 4. Tabel Hasil Evaluasi

Lampiran 4.1. Tabel Kurva Baku

Konsentrasi	Serapan 1	Serapan 2	Serapan 3	Rata-rata	SD
0	0	0	0	0	0
2.5	0.031	0.025	0.030	0.029	0.003
5	0.059	0.054	0.057	0.057	0.003
10	0.123	0.112	0.117	0.117	0.005
20	0.254	0.246	0.239	0.246	0.007
40	0.504	0.507	0.508	0.506	0.002
80	0.998	1.004	1.006	1.003	0.005

Lampiran 4.2. Tabel Uji pH

Replikasi	Formula			
	F1	**F2**	**F3**	**F4**
1	6.87	6.98	7.03	7.09
2	6.89	7.01	7.01	7.11
3	6.86	6.97	7.05	7.07
Rata-rata	6.87	6.99	7.03	7.09
SD	0.02	0.02	0.02	0.02

Lampiran 4.3. Tabel Uji Daya Sebar

Beban (gram)	Formula			
	F1	**F2**	**F3**	**F4**
125	2.89	2.67	2.51	2.32
	2.92	2.71	2.55	2.37
	2.88	2.69	2.49	2.33
Rata-rata±SD (cm)	2,90±0,02	2,69±0,02	2,52±0,03	2,34±0,03
225	3.51	3.33	3.19	2.87
	3.58	3.29	3.03	2.76
	3.57	3.27	3.17	2.84
Rata-rata±SD (cm)	3,55±0,04	3,30±0,03	3,13±0,09	2,82±0,06
325	4.02	3.76	3.51	3.21
	3.98	3.81	3.49	3.19
	4.12	3.78	3.53	3.27

Rata-rata±SD (cm)	4,04±0,07	3,78±0,03	3,51±0,02	3,22±0,04
	4.52	4.02	3.89	3.66
425	4.49	4.11	3.83	3.71
	4.53	4.09	3.87	3.69
Rata-rata±SD (cm)	4,51±0,02	4,07±0,05	3,86±0,03	3,69±0,03
	4.92	4.51	4.23	4.01
525	4.87	4.49	4.25	3.98
	4.88	4.52	4.22	4.03
Rata-rata±SD (cm)	4,89±0,03	4,51±0,02	4,23±0,02	4,01±0,03

Lampiran 4.4. Tabel Uji Viskositas

Replikasi	**Fromula**			
	F1	**F2**	**F3**	**F4**
1	26800	32100	36400	48600
2	24700	33400	38800	44600
3	25900	32800	39200	49800
Rata-rata	25800	32766.6667	38133.3333	47666.6667
SD	1053.56538	650.64071	1514.37556	2722.74371

Lampiran 4.5. Tabel Uji Mukoadhesif Gel

Replikasi	**Formula**			
	F1	**F2**	**F3**	**F4**
1	2.5	4.2	6.5	6.5
2	2.4	4.5	6.2	6.3
3	2.5	4.2	6.4	6.3
Rata-rata	2.5	4.3	6.4	6.4
SD	0.1	0.2	0.2	0.1

Lampiran 4.6. Tabel Uji Permeasi F1

Jam	Replikasi	Serapan	Konsentrasi (µg/ml)	1.5 ml (µg)	28 ml (mg)	Faktor koreksi	Jumlah terpemeasi	Rata-rata	SD
0,25	1	0.00	0.00	0.00	0.00	0.00	0.00		
	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3	0.00	0.00	0.00	0.00	0.00	0.00		
0.5	1	0.03	2.61	3.92	0.07	0.00	0.07		
	2	0.03	2.45	3.68	0.07	0.00	0.07	0.07	0.00
	3	0.03	2.69	4.04	0.08	0.00	0.08		
0.75	1	0.05	4.52	6.77	0.13	0.00	0.13		
	2	0.06	5.15	7.73	0.14	0.00	0.15	0.14	0.01
	3	0.06	4.99	7.49	0.14	0.00	0.14		
1	1	0.07	6.02	9.04	0.17	0.01	0.18		
	2	0.09	7.37	11.06	0.21	0.01	0.22	0.20	0.02
	3	0.08	6.50	9.75	0.18	0.01	0.19		
2	1	0.10	8.17	12.25	0.23	0.02	0.25		
	2	0.10	8.40	12.61	0.24	0.02	0.26	0.26	0.01
	3	0.11	8.72	13.08	0.24	0.02	0.27		
3	1	0.12	9.67	14.51	0.27	0.03	0.30		
	2	0.12	9.91	14.87	0.28	0.04	0.31	0.31	0.00
	3	0.12	9.75	14.63	0.27	0.03	0.31		
4	1	0.14	11.34	17.01	0.32	0.05	0.36		
	2	0.14	11.50	17.25	0.32	0.05	0.37	0.37	0.01
	3	0.14	11.10	16.65	0.31	0.05	0.36		

5	1	0.16	12.93	19.39	0.36	0.06	0.43		
	2	0.16	13.09	19.63	0.37	0.07	0.43	0.43	0.01
	3	0.16	12.77	19.15	0.36	0.07	0.42		
6	1	0.16	13.25	19.87	0.37	0.08	0.45		
	2	0.17	13.72	20.58	0.38	0.09	0.47	0.46	0.01
	3	0.17	13.64	20.46	0.38	0.08	0.47		
7	1	0.17	13.88	20.82	0.39	0.10	0.49		
	2	0.17	13.72	20.58	0.38	0.11	0.49	0.48	0.01
	3	0.16	12.93	19.39	0.36	0.11	0.47		
8	1	0.17	13.72	20.58	0.38	0.12	0.51		
	2	0.16	12.93	19.39	0.36	0.13	0.49	0.51	0.02
	3	0.17	14.12	21.18	0.40	0.12	0.52		

Lampiran 4.7. Tabel Uji Permeasi F2

Jam	Replikasi	Serapan	Konsentrasi (µg/ml)	1.5 ml (µg)	28 ml (mg)	Faktor koreksi	Jumlah terpermeasi	Rata-rata	SD
0.25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
0.5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
0.75	1	0.03	2.04	3.06	0.06	0.00	0.06	0.07	0.00
	2	0.03	1.88	2.81	0.05	0.00	0.05		
	3	0.03	2.12	3.18	0.06	0.00	0.06		
1	1	0.05	3.98	5.97	0.11	0.00	0.11	0.14	0.01
	2	0.06	4.63	6.94	0.13	0.00	0.13		
	3	0.06	4.47	6.70	0.13	0.00	0.13		
2	1	0.07	5.52	8.28	0.15	0.01	0.16	0.20	0.02
	2	0.09	6.90	10.34	0.19	0.01	0.20		
	3	0.08	6.00	9.01	0.17	0.01	0.18		
3	1	0.09	6.50	9.75	0.18	0.02	0.20	0.23	0.01
	2	0.09	6.70	10.06	0.19	0.02	0.21		
	3	0.09	6.98	10.47	0.20	0.02	0.21		
4	1	0.10	7.80	11.71	0.22	0.03	0.25	0.27	0.00
	2	0.10	8.01	12.02	0.22	0.03	0.25		
	3	0.10	7.87	11.81	0.22	0.03	0.25		

5	1	0.12	9.25	13.87	0.26	0.04	0.30	0.32	0.01
	2	0.12	9.39	14.08	0.26	0.04	0.30		
	3	0.12	9.04	13.56	0.25	0.04	0.29		
6	1	0.14	10.62	15.94	0.30	0.05	0.35	0.37	0.00
	2	0.14	10.76	16.14	0.30	0.06	0.36		
	3	0.14	10.49	15.73	0.29	0.05	0.35		
7	1	0.14	10.90	16.35	0.31	0.07	0.37	0.41	0.01
	2	0.15	11.31	16.97	0.32	0.07	0.39		
	3	0.15	11.24	16.86	0.31	0.07	0.39		
8	1	0.15	11.45	17.17	0.32	0.08	0.41	0.42	0.01
	2	0.15	11.31	16.97	0.32	0.09	0.41		
	3	0.14	10.62	15.94	0.30	0.09	0.38		

Lampiran 4.8. Tabel Uji Permeasi F3

Jam	Replikasi	Serapan	Konsentrasi (µg/ml)	1.5 ml (µg)	28 ml (mg)	Faktor koreksi	Jumlah terpemeasi	Rata-rata	SD
0.25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
0.5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
0.75	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
2	1	0.04	3.11	4.66	0.09	0.00	0.09	0.10	0.01
	2	0.04	3.77	5.65	0.11	0.00	0.11		
	3	0.04	3.34	5.01	0.09	0.00	0.09		
3	1	0.04	3.58	5.37	0.10	0.00	0.10	0.11	0.00
	2	0.04	3.68	5.51	0.10	0.01	0.11		
	3	0.04	3.81	5.71	0.11	0.01	0.11		
4	1	0.05	4.13	6.19	0.12	0.01	0.13	0.13	0.00
	2	0.05	4.22	6.34	0.12	0.01	0.13		
	3	0.05	4.16	6.24	0.12	0.01	0.13		

5	1	0.05	4.51	6.77	0.13	0.02	0.14	0.15	0.01
	2	0.06	5.15	7.72	0.14	0.02	0.16		
	3	0.06	4.99	7.49	0.14	0.02	0.16		
6	1	0.07	6.02	9.03	0.17	0.02	0.19	0.21	0.02
	2	0.09	7.37	11.06	0.21	0.03	0.23		
	3	0.08	6.50	9.75	0.18	0.02	0.21		
7	1	0.08	6.98	10.47	0.20	0.03	0.23	0.24	0.01
	2	0.09	7.18	10.77	0.20	0.04	0.24		
	3	0.09	7.45	11.18	0.21	0.03	0.24		
8	1	0.10	8.26	12.39	0.23	0.04	0.27	0.28	0.01
	2	0.10	8.46	12.70	0.24	0.05	0.28		
	3	0.10	8.33	12.49	0.23	0.05	0.28		

Lampiran 4.9. Tabel Uji Permeasi F4

Jam	Replikasi	Serapan	Konsentrasi (µg/ml)	1.5 ml (µg)	28 ml (mg)	Faktor koreksi	Jumlah terpemeasi	Rata-rata	SD
0.25	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
0.5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
0.75	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
1	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
2	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
3	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.00	0.00	0.00	0.00	0.00	0.00		
	3	0.00	0.00	0.00	0.00	0.00	0.00		
4	1	0.03	1.79	2.68	0.05	0.00	0.05	0.07	0.01

	2	0.03	2.28	3.43	0.06	0.00	0.06	
	3	0.03	1.96	2.95	0.05	0.00	0.05	
5	1	0.03	2.14	3.21	0.06	0.00	0.06	0.08	0.00
	2	0.03	2.22	3.32	0.06	0.00	0.07		
	3	0.03	2.31	3.47	0.06	0.00	0.07		
6	1	0.04	2.48	3.72	0.07	0.01	0.08	0.10	0.00
	2	0.04	2.55	3.82	0.07	0.01	0.08		
	3	0.04	2.50	3.75	0.07	0.01	0.08		
7	1	0.04	2.76	4.14	0.08	0.01	0.09	0.12	0.01
	2	0.04	3.22	4.83	0.09	0.01	0.10		
	3	0.04	3.11	4.66	0.09	0.01	0.10		
8	1	0.05	3.97	5.96	0.11	0.01	0.13	0.16	0.02
	2	0.07	4.99	7.48	0.14	0.02	0.16		
	3	0.06	4.33	6.50	0.12	0.01	0.14		

Lampiran 4.10. Tabel Uji Permeasi F3 Kontrol

Jam	Replikasi	Serapan	Konsentrasi (µg/ml)	1.5 ml (µg)	28 ml (mg)	Faktor koreksi	Jumlah terpemeasi	Rata-rata	SD
0.25	1	0.03	2.31	3.47	0.06	0.00	0.06	0.08	0.00
	2	0.03	2.13	3.20	0.06	0.00	0.06		
	3	0.03	2.40	3.61	0.07	0.00	0.07		
0.5	1	0.06	4.49	6.73	0.13	0.00	0.13	0.16	0.01
	2	0.07	5.21	7.81	0.15	0.00	0.15		
	3	0.07	5.03	7.54	0.14	0.00	0.14		
0.75	1	0.08	6.20	9.31	0.17	0.01	0.18	0.22	0.02
	2	0.10	7.74	11.61	0.22	0.01	0.23		
	3	0.09	6.75	10.12	0.19	0.01	0.20		
1	1	0.11	8.65	12.97	0.24	0.02	0.26	0.29	0.01
	2	0.12	8.92	13.38	0.25	0.02	0.27		
	3	0.12	9.28	13.92	0.26	0.02	0.28		
2	1	0.13	10.37	15.55	0.29	0.03	0.32	0.35	0.01
	2	0.14	10.64	15.96	0.30	0.04	0.33		
	3	0.14	10.46	15.69	0.29	0.04	0.33		
3	1	0.18	14.25	21.38	0.40	0.05	0.45	0.47	0.01
	2	0.19	14.46	21.69	0.40	0.05	0.46		
	3	0.18	13.94	20.91	0.39	0.05	0.44		
4	1	0.21	16.35	24.52	0.46	0.07	0.53	0.55	0.01

	2	0.21	16.56	24.84	0.46	0.07	0.54		
	3	0.21	16.14	24.21	0.45	0.07	0.52		
5	1	0.22	16.77	25.15	0.47	0.09	0.56	0.60	0.01
	2	0.22	17.40	26.09	0.49	0.10	0.59		
	3	0.22	17.29	25.94	0.48	0.10	0.58		
6	1	0.23	17.60	26.41	0.49	0.12	0.61	0.63	0.02
	2	0.22	17.40	26.09	0.49	0.12	0.61		
	3	0.21	16.35	24.52	0.46	0.12	0.58		
7	1	0.28	21.82	32.73	0.61	0.15	0.76	0.78	0.03
	2	0.26	20.51	30.77	0.57	0.15	0.73		
	3	0.29	22.48	33.71	0.63	0.15	0.78		
8	1	0.41	32.39	48.58	0.91	0.18	1.09	1.14	0.02
	2	0.42	33.26	49.89	0.93	0.18	1.11		
	3	0.43	33.90	50.85	0.95	0.18	1.13		

Lampiran 4.11. Tabel Uji Retensi

Formula	Replikasi	Serapan	Konsentrasi (µg/ml)	Jumlah metrodinazole terdeposisi setelah 8 jam (mg)	Rata-rata	SD
F1	1	0.20	15.40	0.46	0.51	0.02
	2	0.22	16.99	0.51		
	3	0.21	16.28	0.49		
F2	1	0.31	24.61	0.74	0.73	0.03
	2	0.29	22.47	0.67		
	3	0.31	24.21	0.73		
F3	1	0.81	64.13	1.92	1.95	0.04
	2	0.83	65.72	1.97		
	3	0.80	63.02	1.89		
F4	1	0.03	1.83	0.06	0.31	0.01
	2	0.03	2.15	0.06		
	3	0.03	1.75	0.05		

Lampiran 5. Data Hasil Analisis Statistika

Lampiran 5.1. Uji pH

ANOVA

Microspongesgel

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,075	3	,025	68,515	,000
Within Groups	,003	8	,000		
Total	,078	11			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: pH

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula 1	Formula 2	-,11333*	,01563	,000	-,1634	-,0633
	Formula 3	-,15667*	,01563	,000	-,2067	-,1066
	formula 4	-,21667*	,01563	,000	-,2667	-,1666
Formula 2	Formula 1	,11333*	,01563	,000	,0633	,1634
	Formula 3	-,04333	,01563	,092	-,0934	,0067
	formula 4	-,10333*	,01563	,001	-,1534	-,0533
Formula 3	Formula 1	,15667*	,01563	,000	,1066	,2067
	Formula 2	,04333	,01563	,092	-,0067	,0934
	formula 4	-,06000*	,01563	,021	-,1101	-,0099
formula 4	Formula 1	,21667*	,01563	,000	,1666	,2667
	Formula 2	,10333*	,01563	,001	,0533	,1534
	Formula 3	,06000*	,01563	,021	,0099	,1101

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

pH

Tukey HSD[a]

Formula	N	Subset for alpha = 0.05		
		1	2	3
Formula 1	3	6,8733		
Formula 2	3		6,9867	
Formula 3	3		7,0300	

formula 4	3			7,0900
Sig.		1,000	,092	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Lampiran 5.2. Uji Daya Sebar

ANOVA

DayaSebar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	23,764	4	5,941	65,745	,000
Within Groups	4,970	55	,090		
Total	28,734	59			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: DayaSebar

Tukey HSD

(I) Beban	(J) Beban	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Beban 125	Beban 225	-,59000*	,12272	,000	-,9361	-,2439
	Beban 325	-1,02833*	,12272	,000	-1,3745	-,6822
	Beban 425	-1,42333*	,12272	,000	-1,7695	-1,0772
	Beban 525	-1,79833*	,12272	,000	-2,1445	-1,4522
Beban 225	Beban 125	,59000*	,12272	,000	,2439	,9361
	Beban 325	-,43833*	,12272	,006	-,7845	-,0922
	Beban 425	-,83333*	,12272	,000	-1,1795	-,4872
	Beban 525	-1,20833*	,12272	,000	-1,5545	-,8622
Beban 325	Beban 125	1,02833*	,12272	,000	,6822	1,3745
	Beban 225	,43833*	,12272	,006	,0922	,7845
	Beban 425	-,39500*	,12272	,018	-,7411	-,0489
	Beban 525	-,77000*	,12272	,000	-1,1161	-,4239
Beban 425	Beban 125	1,42333*	,12272	,000	1,0772	1,7695
	Beban 225	,83333*	,12272	,000	,4872	1,1795
	Beban 325	,39500*	,12272	,018	,0489	,7411
	Beban 525	-,37500*	,12272	,027	-,7211	-,0289
Beban 525	Beban 125	1,79833*	,12272	,000	1,4522	2,1445
	Beban 225	1,20833*	,12272	,000	,8622	1,5545

	Beban 325	,77000*	,12272	,000	,4239	1,1161
	Beban 425	,37500*	,12272	,027	,0289	,7211

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

DayaSebar

Tukey HSD[a]

		Subset for alpha = 0.05				
Beban	N	1	2	3	4	5
Beban 125	12	2,6108				
Beban 225	12		3,2008			
Beban 325	12			3,6392		
Beban 425	12				4,0342	
Beban 525	12					4,4092
Sig.		1,000	1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 12,000.

Lampiran 5.3. Uji Viskositas

ANOVA

Viskositas

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	765369166,667	3	255123055,556	90,791	,000
Within Groups	22480000,000	8	2810000,000		
Total	787849166,667	11			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Viskositas

Tukey HSD

		Mean			95% Confidence Interval	
(I) Formula	(J) Formula	Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
Formula 1	Formula 2	-6966,66667*	1368,69768	,004	-11349,7184	-2583,6149
	Formula 3	-12333,33333*	1368,69768	,000	-16716,3851	-7950,2816
	Formula 4	-21866,66667*	1368,69768	,000	-26249,7184	-17483,6149
Formula 2	Formula 1	6966,66667*	1368,69768	,004	2583,6149	11349,7184
	Formula 3	-5366,66667*	1368,69768	,019	-9749,7184	-983,6149
	Formula 4	-14900,00000*	1368,69768	,000	-19283,0518	-10516,9482
Formula 3	Formula 1	12333,33333*	1368,69768	,000	7950,2816	16716,3851

	Formula 2	5366,66667*	1368,69768	,019	983,6149	9749,7184
	Formula 4	-9533,33333*	1368,69768	,001	-13916,3851	-5150,2816
Formula 4	Formula 1	21866,66667*	1368,69768	,000	17483,6149	26249,7184
	Formula 2	14900,00000*	1368,69768	,000	10516,9482	19283,0518
	Formula 3	9533,33333*	1368,69768	,001	5150,2816	13916,3851

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

Viskositas

Tukey HSD[a]

		Subset for alpha = 0.05			
Formula	N	1	2	3	4
Formula 1	3	25800,0000			
Formula 2	3		32766,6667		
Formula 3	3			38133,3333	
Formula 4	3				47666,6667
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Lampiran 5.4. Uji Waktu Mucoadhesive

ANOVA

WaktuMucoadhesive

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	31,743	3	10,581	604,619	,000
Within Groups	,140	8	,017		
Total	31,883	11			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: WaktuMucoadhesive

Tukey HSD

					95% Confidence Interval	
(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
Formula 1	Formula 2	-1,8333*	,1080	,000	-2,179	-1,487
	Formula 3	-3,9000*	,1080	,000	-4,246	-3,554
	Formula 4	-3,9000*	,1080	,000	-4,246	-3,554
Formula 2	Formula 1	1,8333*	,1080	,000	1,487	2,179

	Formula 3	-2,0667*	,1080	,000	-2,413	-1,721
	Formula 4	-2,0667*	,1080	,000	-2,413	-1,721
Formula 3	Formula 1	3,9000*	,1080	,000	3,554	4,246
	Formula 2	2,0667*	,1080	,000	1,721	2,413
	Formula 4	,0000	,1080	1,000	-,346	,346
Formula 4	Formula 1	3,9000*	,1080	,000	3,554	4,246
	Formula 2	2,0667*	,1080	,000	1,721	2,413
	Formula 3	,0000	,1080	1,000	-,346	,346

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

WaktuMucoadhesive

Tukey HSD[a]

		Subset for alpha = 0.05		
Formula	N	1	2	3
Formula 1	3	2,467		
Formula 2	3		4,300	
Formula 3	3			6,367
Formula 4	3			6,367
Sig.		1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Lampiran 5.5. Uji Permeasi

ANOVA

Jam ke 8

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,210	3	,070	441,596	,000
Within Groups	,001	8	,000		
Total	,211	11			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Jam ke 8

Tukey HSD

					95% Confidence Interval	
(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound

Formula 1	Formula 2	,08333*	,01027	,000	,0504	,1162
	Formula 3	,23000*	,01027	,000	,1971	,2629
	Formula 4	,34333*	,01027	,000	,3104	,3762
Formula 2	Formula 1	-,08333*	,01027	,000	-,1162	-,0504
	Formula 3	,14667*	,01027	,000	,1138	,1796
	Formula 4	,26000*	,01027	,000	,2271	,2929
Formula 3	Formula 1	-,23000*	,01027	,000	-,2629	-,1971
	Formula 2	-,14667*	,01027	,000	-,1796	-,1138
	Formula 4	,11333*	,01027	,000	,0804	,1462
Formula 4	Formula 1	-,34333*	,01027	,000	-,3762	-,3104
	Formula 2	-,26000*	,01027	,000	-,2929	-,2271
	Formula 3	-,11333*	,01027	,000	-,1462	-,0804

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

Jam ke 8

Tukey HSD[a]

		Subset for alpha = 0.05			
Formula	N	1	2	3	4
Formula 4	3	,1633			
Formula 3	3		,2767		
Formula 2	3			,4233	
Formula 1	3				,5067
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

Lampiran 5.6. Uji Permeasi (F3 : F3 Kontrol)

T-Test

Group Statistics

	Grup	N	Mean	Std. Deviation	Std. Error Mean
Konsentrasi	1,00	3	1,1367	,02517	,01453
	2,00	3	,2767	,00577	,00333

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Konsentrasi	Equal variances assumed	3,273	,145	57,691	4	,000	,86000	,01491	,81861	,90139
	Equal variances not assumed			57,691	2,210	,000	,86000	,01491	,80136	,91864

Lampiran 5.7. Uji Retensi

T-Test

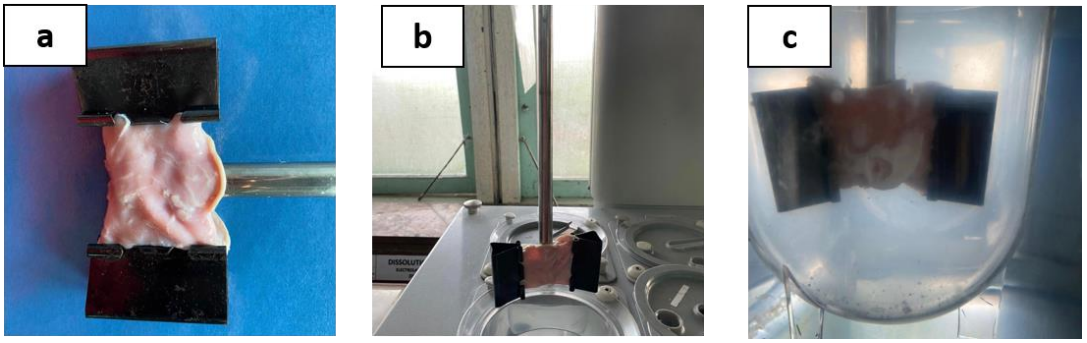
Group Statistics

	Grup	N	Mean	Std. Deviation	Std. Error Mean
Konsentrasi	1	3	,3133	,39552	,22835
	2	3	1,9467	,04041	,02333

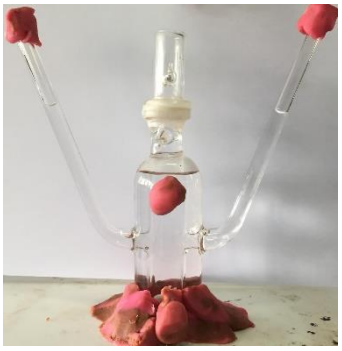
Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Konsentrasi	Equal variances assumed	12,808	,023	-7,116	4	,002	-1,63333	,22954	-2,27064	-,99603
	Equal variances not assumed			-7,116	2,042	,018	-1,63333	,22954	-2,60186	-,66481

Lampiran 6. Gambar Penelitian

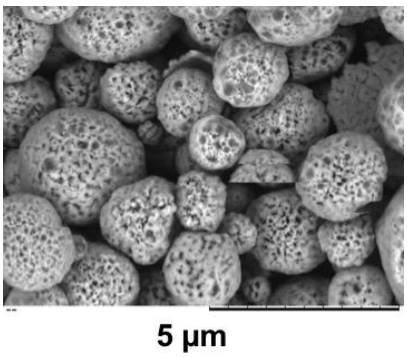


Gambar 17. Pengujian mukoadhesif gel (a) Penjepitan mukosa vagina ke *paddle* dayung, (b) Pemasangan *paddle* dayung ke alat disolusi, (c) Pencelupan mukosa vagina ke dalam rendaman cairan vagina buatan



Gambar 18. Aparatus difusi sel franz

Gambar 19. Sediaan gel Tanpa *microsponge*



Gambar 20. SEM *microsponge* metronidazole