

DAFTAR PUSTAKA

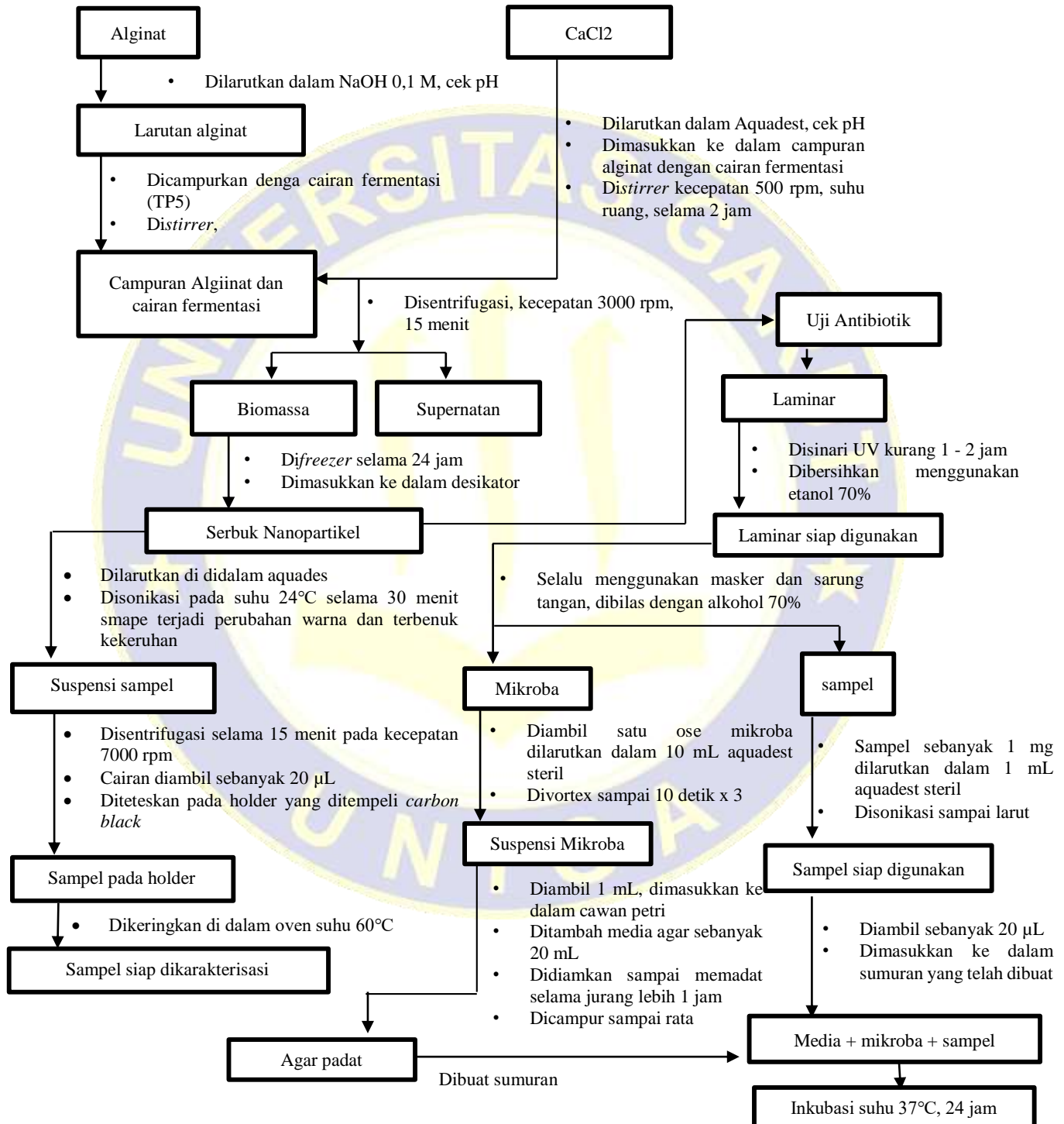
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LAMPIRAN 1 TAHAP PENELITIAN



Gambar VI.1 Bagan Alir Proses Penelitian

LAMPIRAN 2
VARIASI SINTESIS NANOENKAPSULAN

Tabel VI.1

Data Variasi Konsentrasi dan Rasio Polimer yang Digunakan

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio Alginat	Rasio CaCl ₂	Rasio Cairan Fermentasi
1	0,3	0,06	2	2	1
2	0,1	0,02	3	3	1
3	0,1	0,1	1	3	1
4	0,3	0,06	2	2	1
5	0,5	0,1	1	1	1
6	0,3	0,06	4	2	1
7	0,3	0,06	2	2	1
8	0,1	0,1	1	1	1
9	0,3	0,14	2	2	1
10	0,3	0,06	2	0	1
11	0,3	0,06	2	4	1
12	0,5	0,02	3	1	1
13	0,1	0,1	3	1	1
14	0,5	0,02	3	3	1
15	0,3	0,06	2	2	1
16	0,3	0,06	2	2	1
17	0,7	0,06	2	2	1
18	0,1	0,02	1	3	1
29	0,3	0,06	0	2	1
20	0,3	0,06	2	2	1
21	0,1	0,02	1	1	1
22	0,1	0,02	3	1	1
23	0,5	0,1	3	3	1
24	0,5	0,02	1	3	1
25	0,5	0,1	3	1	1
26	0,1	0,1	3	3	1
27	0,5	0,1	1	3	1
28	0,5	0,02	1	1	1

LAMPIRAN 3
PERHITUNGAN BOBOT BAHAN YANG HARUS
DITIMBANG

Percobaan Ke 1

Pembuatan NaOH 0,1 M

$$M \text{ NaOH} = \frac{\text{gram}}{Mr} \times \frac{1000}{ml}$$

$$0,1 M = \frac{\text{gram}}{40} \times \frac{1000}{40}$$

$$\text{gram NaOH} = \frac{0,1 \times 40 \times 40}{1000} = 0,16 \text{ gram dilarutkan dalam 40 ml aquadest}$$

Pembuatan Larutan Alginat 0,3%

$$\text{gram Alginat} = \frac{0,3}{100} \times \text{volume} \times \rho$$

$$\text{gram Alginat} = \frac{0,3}{100} \times 40 \times 1$$

$$\text{gram Alginat} = 0,12 \text{ gram dilarutkan dalam 40 ml NaOH}$$

Pembuatan Larutan CaCl₂ 0,06%

$$\text{gram CaCl}_2 = \frac{0,06}{100} \times \text{volume} \times \rho$$

$$\text{gram CaCl}_2 = \frac{0,06}{100} \times 40 \times 1$$

$$\text{gram CaCl}_2 = 0,024 \text{ gram dilarutkan dalam 40 ml aquadest}$$

LAMPIRAN 4

BOBOT DAN VOLUME BAHAN YANG DIGUNAKAN

Tabel VI.2

Bobot dan Volume Bahan yang Digunakan

Percobaan ke	Alginat (g)	CaCl ₂ (g)	Rasio Alginat (ml)	Rasio CaCl ₂ (ml)	Rasio cairan Fermentasi (ml)
1	0,12	0,024	40	40	20
2	0,06	0,012	60	60	20
3	0,02	0,06	20	60	20
4	0,12	0,024	40	40	20
5	0,1	0,02	20	20	20
6	0,24	0,024	80	40	20
7	0,12	0,024	40	40	20
8	0,02	0,02	20	20	20
9	0,12	0,056	40	40	20
10	0,12	0	40	0	20
11	0,12	0,048	40	80	20
12	0,3	0,004	60	20	20
13	0,06	0,02	60	20	20
14	0,3	0,012	60	60	20
15	0,12	0,024	40	40	20
16	0,12	0,024	40	40	20
17	0,28	0,024	40	40	20
18	0,02	0,012	20	60	20
19	0	0,024	0	40	20
20	0,12	0,024	40	40	20
21	0,02	0,004	20	20	20
22	0,06	0,004	60	20	20
23	0,3	0,06	60	60	20
24	0,1	0,012	20	60	20
25	0,3	0,02	60	20	20
26	0,06	0,06	60	60	20
27	0,1	0,06	20	60	20
28	0,1	0,004	20	20	20

LAMPIRAN 6

HASIL STATISTIK

Tabel VI.4

LAMPIRAN 5
HASIL STATISTIK
Tabel VI.3

Hasil uji dua rata - rata dependen terhadap diameter hambat *Escherichia coli*

Paired Samples Test

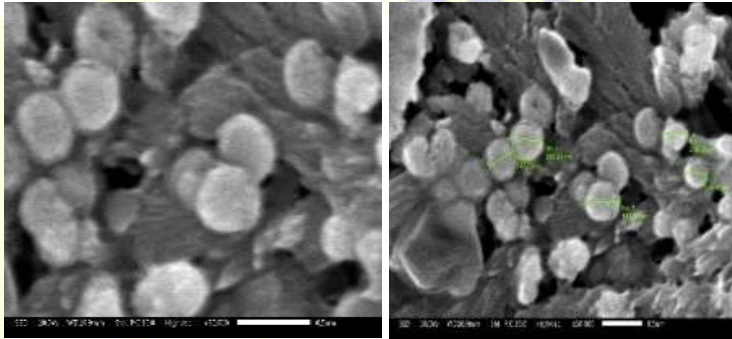
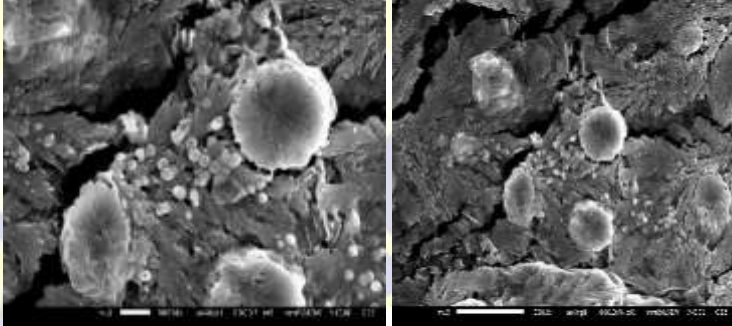
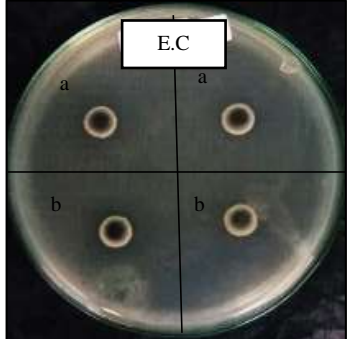
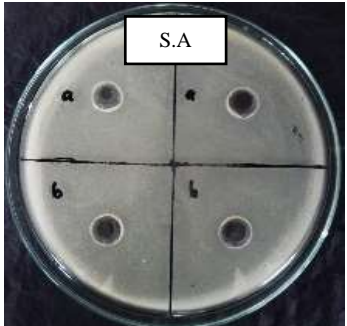
		Paired Differences					t	Df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	Kontrol (+) - Sampel 1	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 2	Kontrol (+) - Sampel 2	6.5000	6.3640	4.5000	-50.6779	63.6779	1.444	1	.386
Pair 3	Kontrol (+) - Sampel 3	7.0000	8.4853	6.0000	-69.2372	83.2372	1.167	1	.451
Pair 4	Kontrol (+) - Sampel 4	3.5000	2.1213	1.5000	-15.5593	22.5593	2.333	1	.258
Pair 5	Kontrol (+) - Sampel 5	8.5000	7.7782	5.5000	-61.3841	78.3841	1.545	1	.366
Pair 6	Kontrol (+) - Sampel 6	-1.5000	3.5355	2.5000	-33.2655	30.2655	-.600	1	.656
Pair 7	Kontrol (+) - Sampel 7	7.5000	2.1213	1.5000	-11.5593	26.5593	5.000	1	.126
Pair 8	Kontrol (+) - Sampel 8	9.5000	2.1213	1.5000	-9.5593	28.5593	6.333	1	.100
Pair 9	Kontrol (+) - Sampel 9	8.5000	2.1213	1.5000	-10.5593	27.5593	5.667	1	.111
Pair 10	Kontrol (+) - Sampel 10	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 11	Kontrol (+) - Sampel 11	3.5000	9.1924	6.5000	-79.0903	86.0903	.538	1	.686
Pair 12	Kontrol (+) - Sampel 12	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 13	Kontrol (+) - Sampel 13	16.5000	12.0208	8.5000	-91.5027	124.5027	1.941	1	.303
Pair 14	Kontrol (+) - Sampel 14	16.5000	12.0208	8.5000	-91.5027	124.5027	1.941	1	.303
Pair 15	Kontrol (+) - Sampel 15	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 16	Kontrol (+) - Sampel 16	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 17	Kontrol (+) - Sampel 17	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 18	Kontrol (+) - Sampel 18	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 19	Kontrol (+) - Sampel 19	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 20	Kontrol (+) - Sampel 20	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 21	Kontrol (+) - Sampel 21	12.0000	2.8284	2.0000	-13.4124	37.4124	6.000	1	.105
Pair 22	Kontrol (+) - Sampel 22	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 23	Kontrol (+) - Sampel 23	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 24	Kontrol (+) - Sampel 24	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 25	Kontrol (+) - Sampel 25	13.0000	2.8284	2.0000	-12.4124	38.4124	6.500	1	.097
Pair 26	Kontrol (+) - Sampel 26	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 27	Kontrol (+) - Sampel 27	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055
Pair 28	Kontrol (+) - Sampel 28	23.0000	2.8284	2.0000	-2.4124	48.4124	11.500	1	.055

Hasil uji dua rata - rata dependen terhadap diameter hambat *Staphylococcus aureus*



LAMPIRAN 7
DATA HASIL SEM DAN AKTIVITAS ANTIBAKTERI

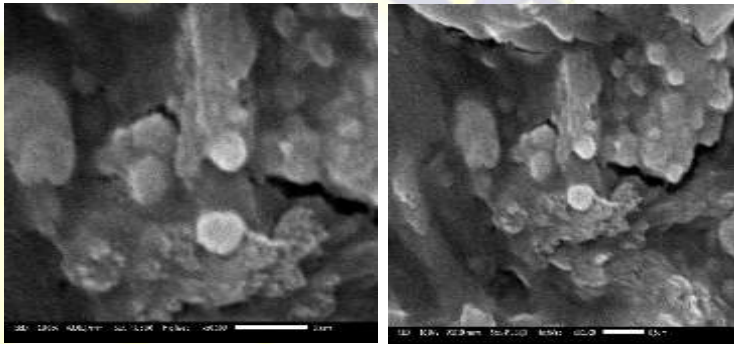
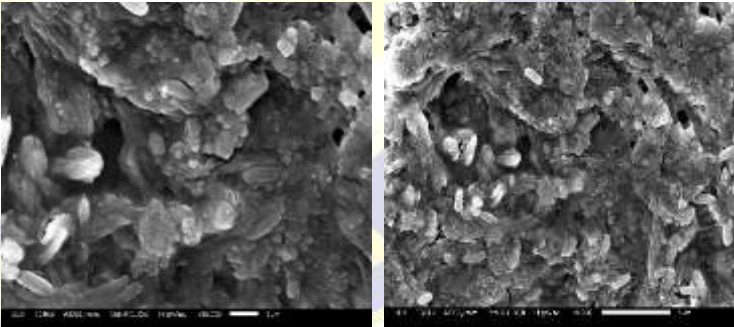
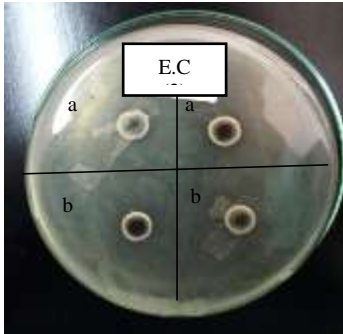
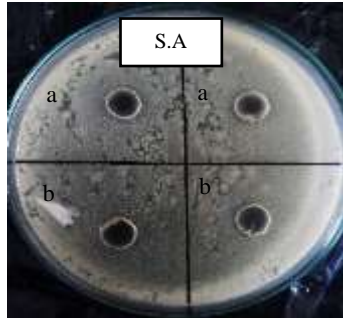
Tabel VI.5
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
1	0,3	0,06	2	2	2,8	250 - 500	 <p style="text-align: center;">Perbesaran 50.000x Perbesaran 30.000x</p>  <p style="text-align: center;">Perbesaran 10.000x Perbesaran 5.000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a=19; b=20)</p>  <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=0; b=0)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.6

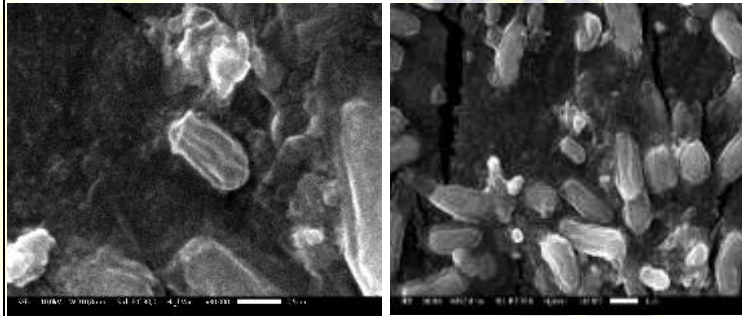
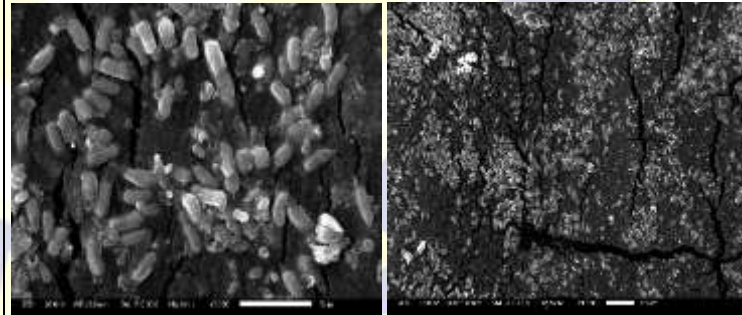
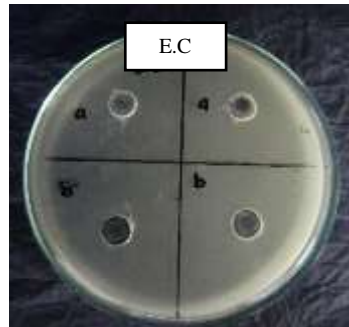
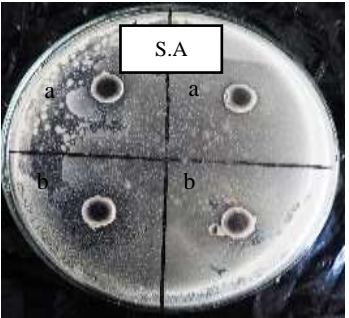
Hasil SEM dan Aktivitasnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
2	0,1	0,02	3	3	2	130 - 400	 <p style="text-align: center;">Perbesaran 50.000x Perbesaran 30.000x</p>  <p style="text-align: center;">Perbesaran 10.000x Perbesaran 5.000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a= 14; b=14)</p>  <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=19; b=14)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.7

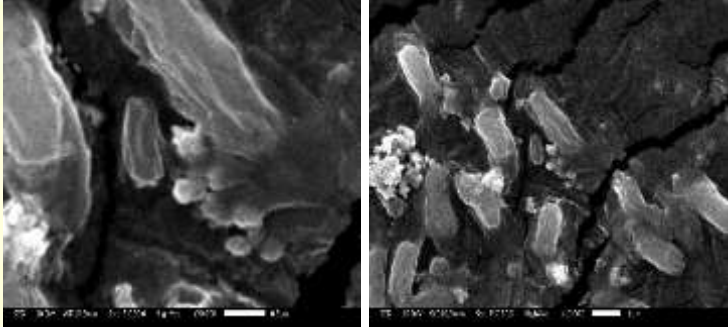
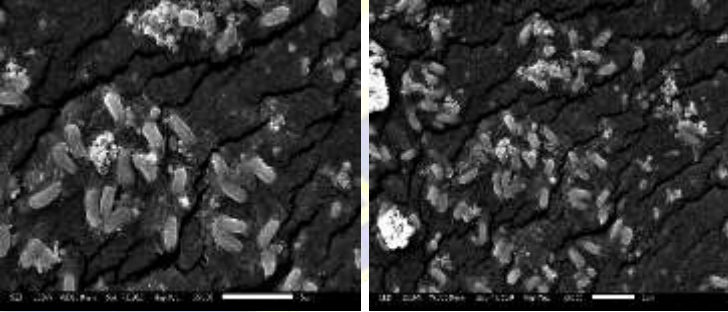

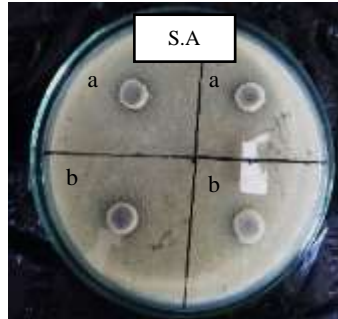
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
3	0,1	0,1	1	3	33,7	500 - 970	 <p style="text-align: center;">Perbesaran 30.000x Perbesaran 10.000x</p>  <p style="text-align: center;">Perbesaran 5.000x Perbesaran 3.000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a=0; b=0)</p>  <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=12; b=20)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.8

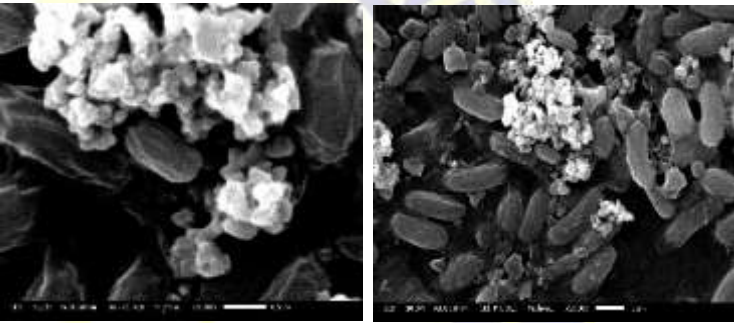
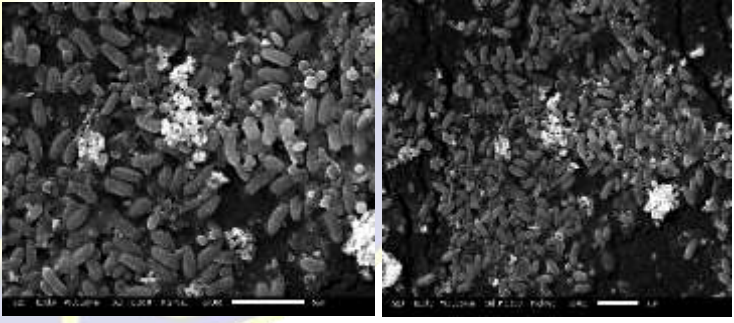
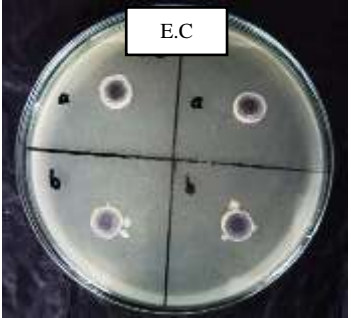
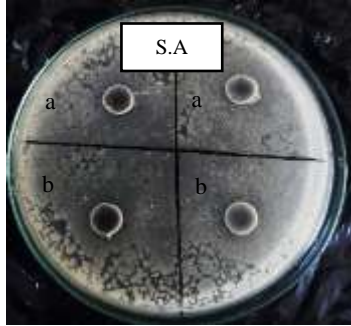
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
4	0,3	0,06	2	2	7,6	400 - 960	 <p style="text-align: center;">Perbesaran 30.000x Perbesaran 10.000x</p>  <p style="text-align: center;">Perbesaran 5.000x Perbesaran 3.000x</p>	 <p style="text-align: center;">E.C. (a=0; b=0)</p>  <p style="text-align: center;">S.A. (a=20; b=19)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.9

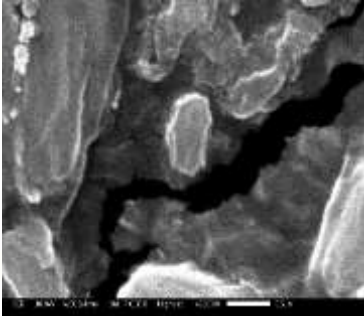
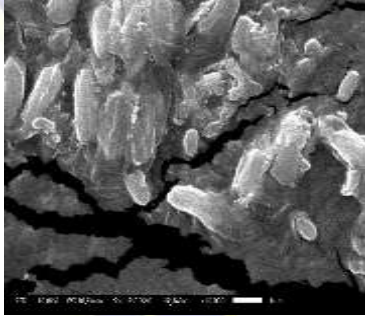
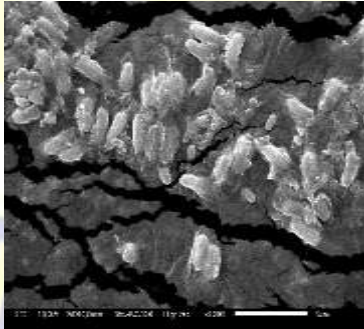
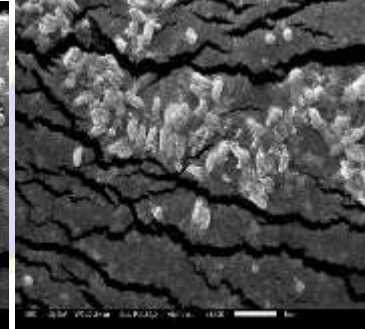
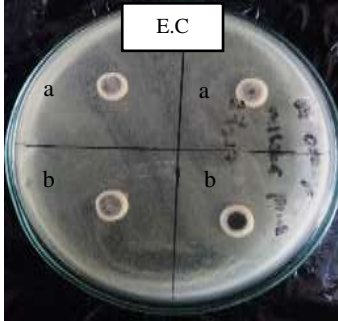
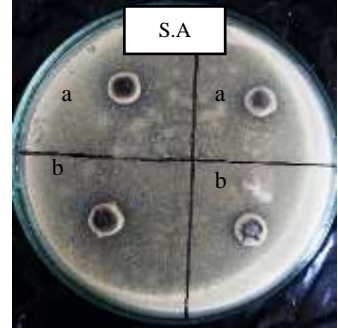
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
5	0,5	0,1	1	1	8,7	400 - 960	 <p style="text-align: center;">Perbesaran 30.000x Perbesaran 10.000x</p>  <p style="text-align: center;">Perbesaran 5.000x Perbesaran 3.000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a=0; b=0)</p>  <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=11; b=18)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.10

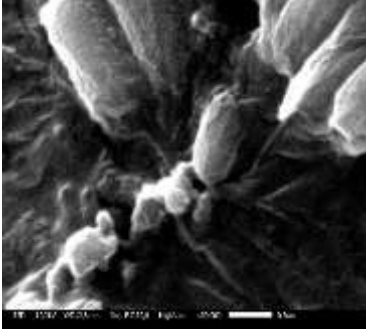
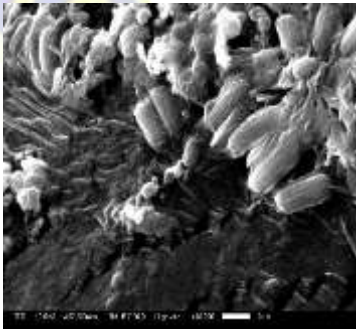
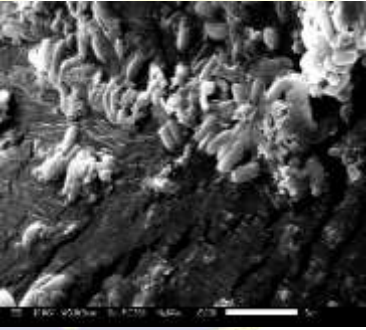
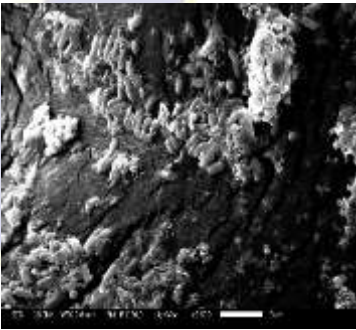

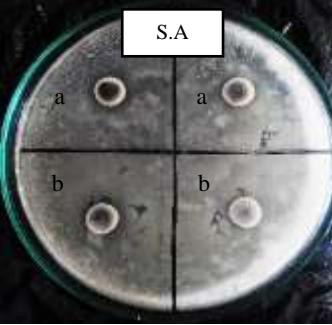
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
6	0,3	0,06	4	2	5,6	500 – 960	 <p>Perbesaran 30.000x</p>  <p>Perbesaran 10.000x</p>  <p>Perbesaran 5.000x</p>  <p>Perbesaran 3.000x</p>	 <p>E.C</p> <p>(a=0; b=0)</p>  <p>S.A</p> <p>(a=24; b=25)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.11


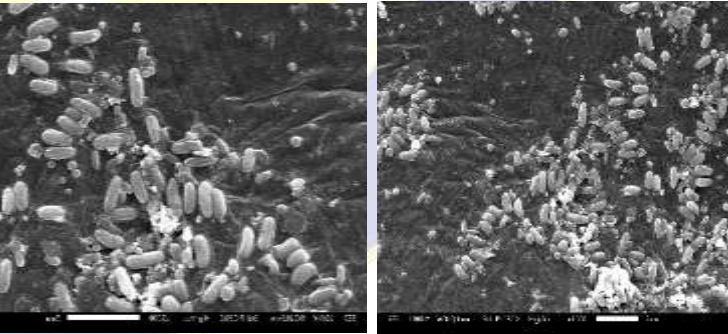
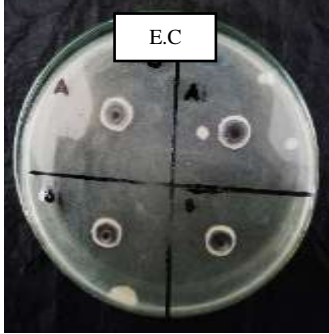
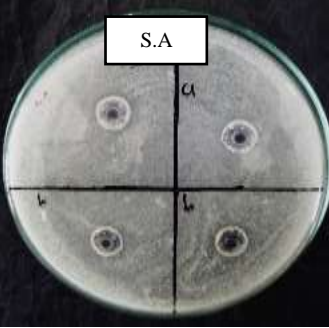
Hasil SEM dan Aktivitasnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
7	0,3	0,06	2	2	5,8	500 – 900	 <p>Perbesaran 30.000x</p>  <p>Perbesaran 10.000x</p>  <p>Perbesaran 5.000x</p>  <p>Perbesaran 3.000x</p>	 <p>E.C</p> <p>(a=0; b=0)</p>  <p>S.A</p> <p>(a= 16; b=15)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.12

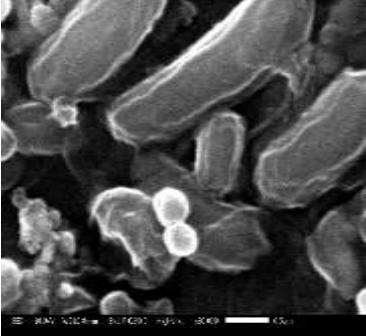
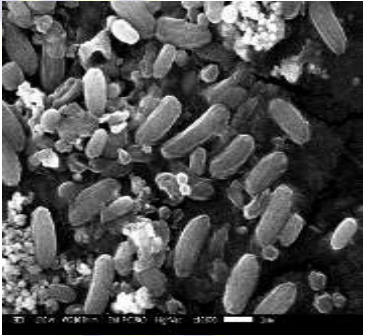
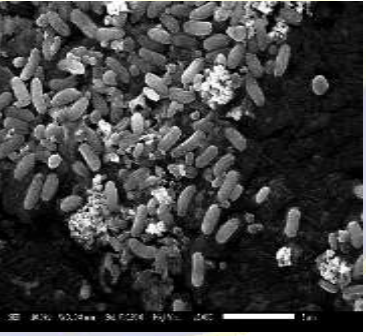
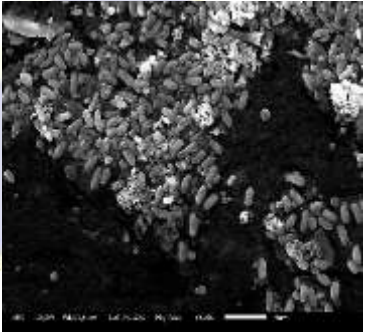
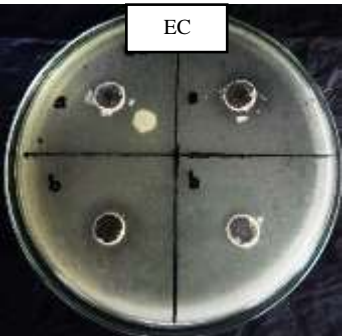
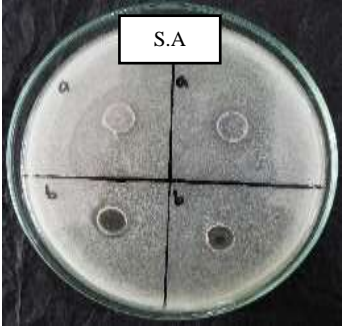
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
8	0,1	0,1	1	1	6,6	350 - 850	 <p style="text-align: center;">Perbesaran 30.000x Perbesaran 10.000x</p>  <p style="text-align: center;">Perbesaran 5.000x Perbesaran 3.000x</p>	 <p style="text-align: center;">E.C (a=0; b=0)</p>  <p style="text-align: center;">S.A (a=13; b=11)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.13

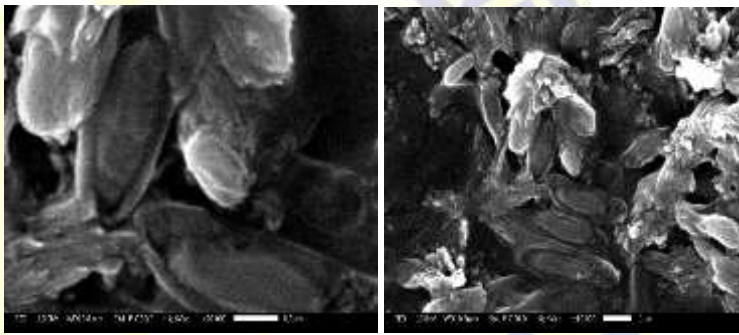
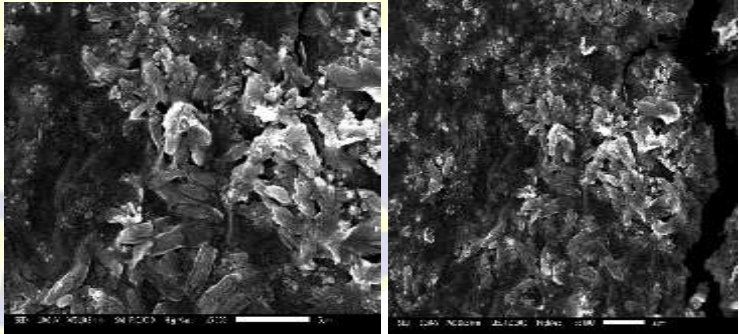
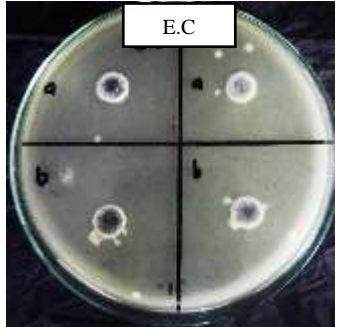
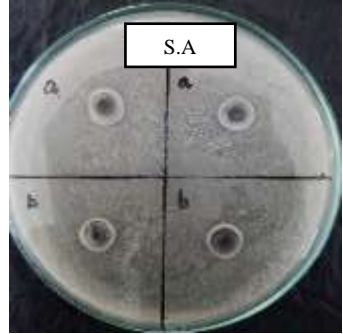
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
9	0,3	0,14	2	2	11,4 mg	350 – 960	 Perbesaran 30.000x  Perbesaran 10.000x  Perbesaran 5.000x  Perbesaran 3.000x	 EC (a=18; b=21)  S.A (a=15; b=14)

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.14

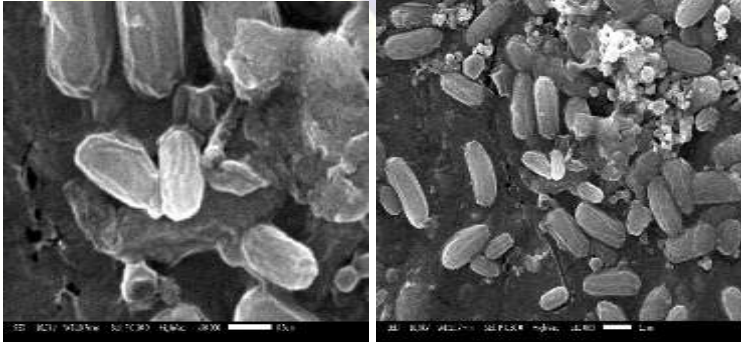
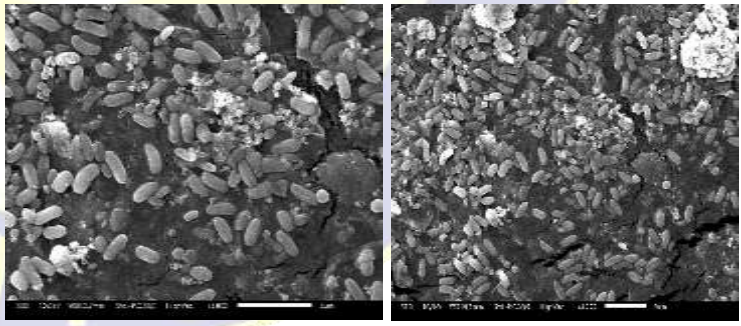
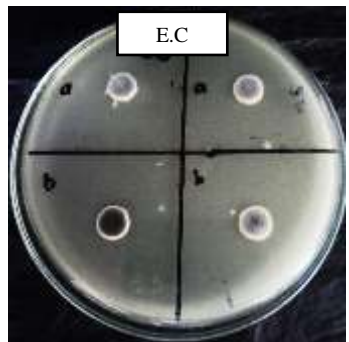
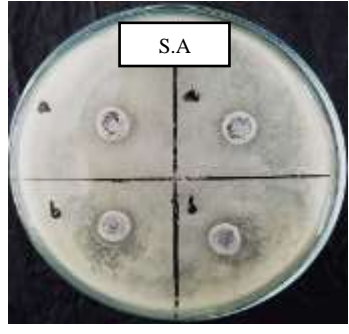
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
10	0,3	0,06	2	0	14,4	500 – 750	 <p style="text-align: center;">Perbesaran 30.000x Perbesaran 10.000x</p>  <p style="text-align: center;">Perbesaran 5.000x Perbesaran 3.000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a=0; b=0)</p>  <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=0; b=0)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.15

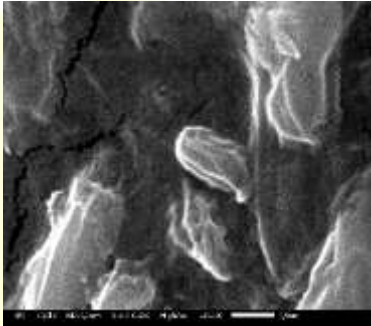
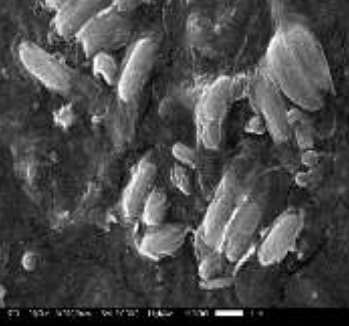
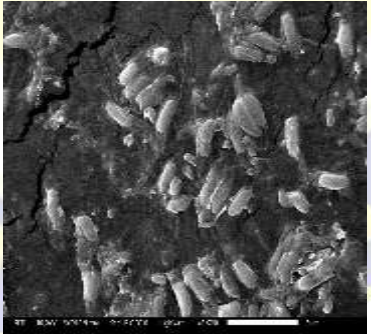
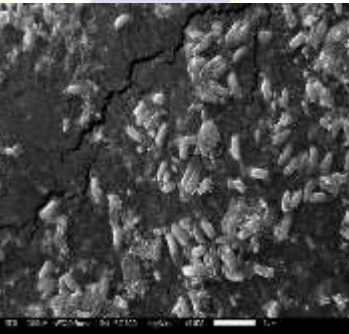

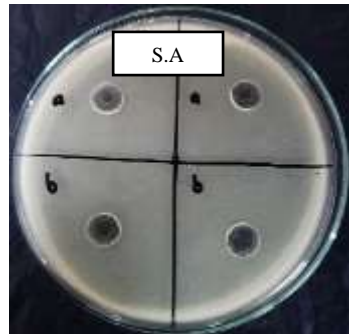
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
11	0,3	0,06	2	4	4,7	500 - 960	 <p style="text-align: center;">Perbesaran 30.000x Perbesaran 10.000x</p>  <p style="text-align: center;">Perbesaran 5.000x Perbesaran 3.000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a=10; b=10)</p>  <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=18; b=20)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.16

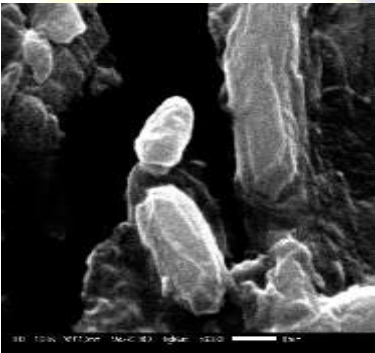

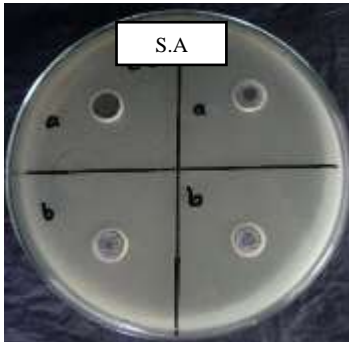
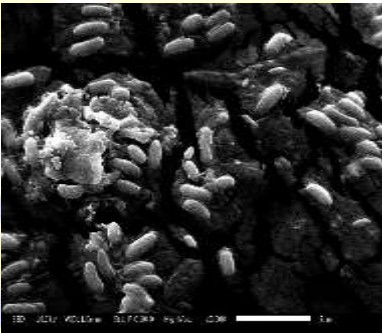
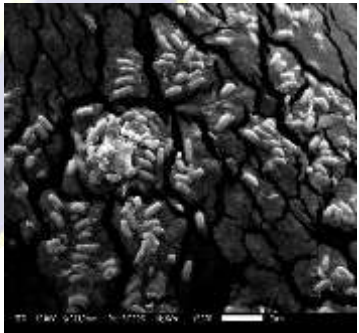
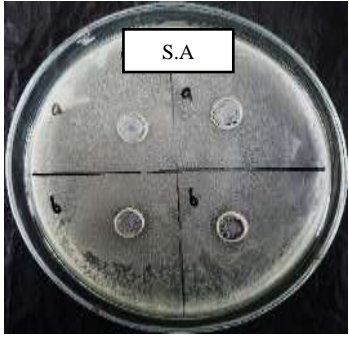
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
12	0,5	0,02	3	1	12,1	500 – 960	 Perbesaran 30.000x  Perbesaran 10.000x  Perbesaran 5.000x  Perbesaran 3.000x	 (a=0; b=0)  (a=0; b=0)

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.17

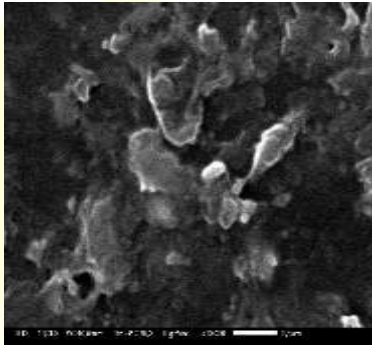
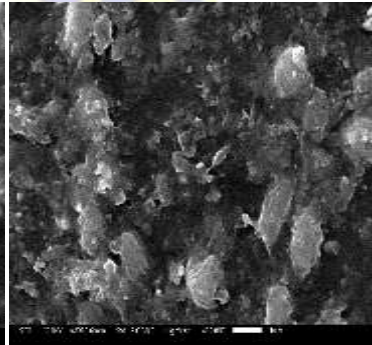
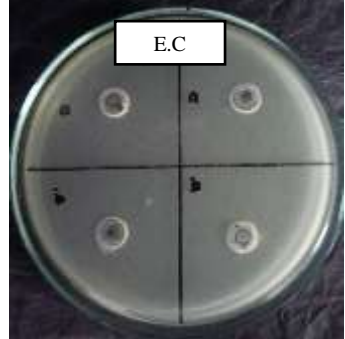
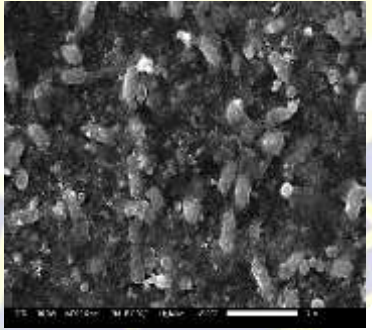
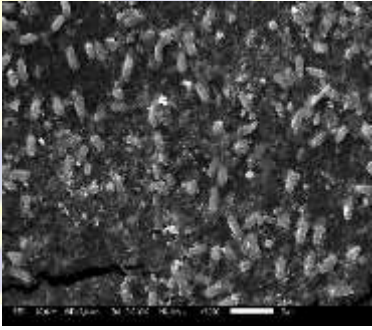
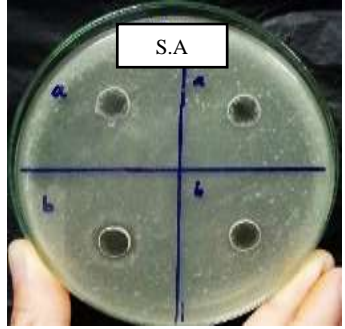
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM		Hasil Uji Bakteri (mm)
									<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
13	0,1	0,1	3	1	9,7	500 - 900			
							Perbesaran 30.000x	Perbesaran 10.000x	(a=0; b=0)
									
							Perbesaran 5.000x	Perbesaran 3.000x	(0;13)

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.18

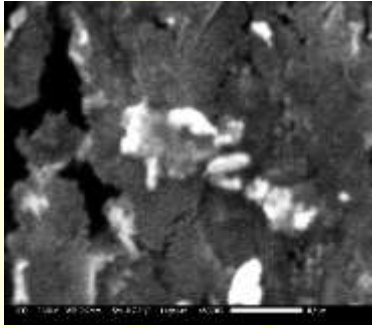
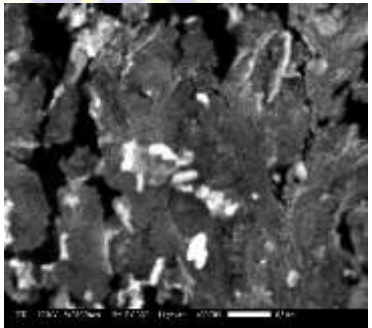
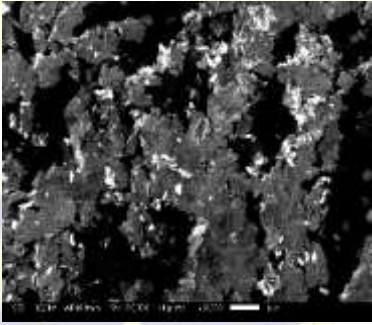
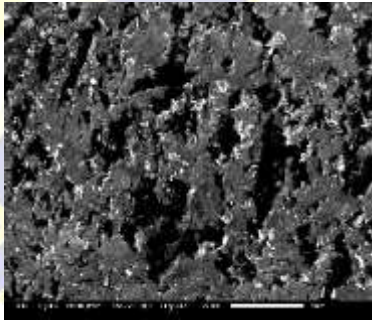
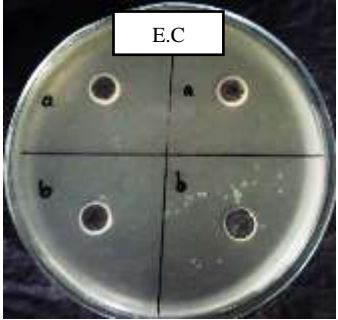

Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)	
								<i>Escherichia coli</i>	Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
14	0,5	0,02	3	3	8,5	500 - 900	 Perbesaran 30.000x	 Perbesaran 10.000x	 (a=0; b=0)
							 Perbesaran 5.000x	 Perbesaran 3.000x	 (a=0; b=13)

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.19

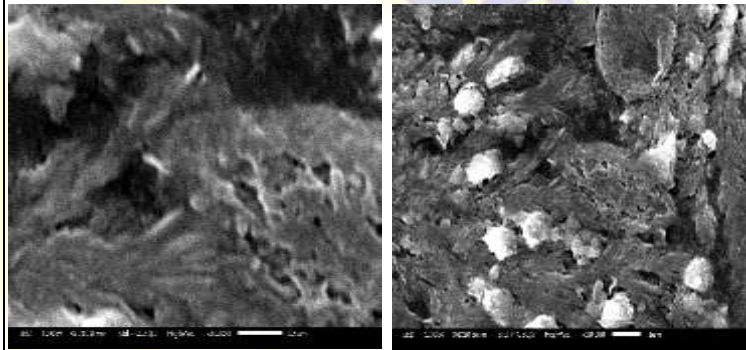
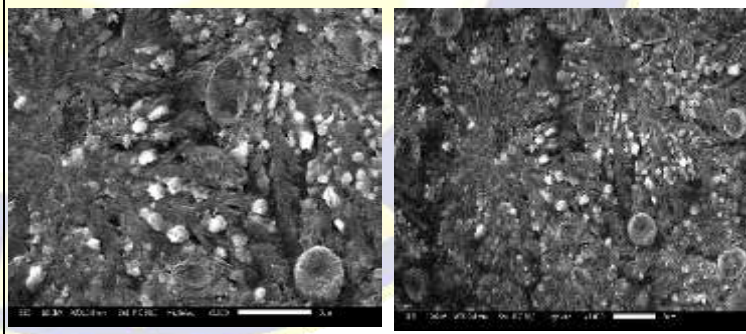
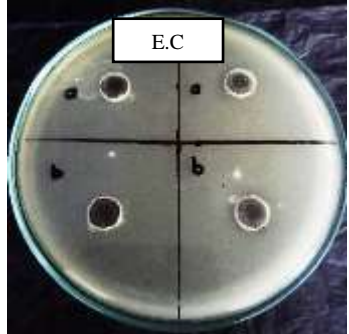
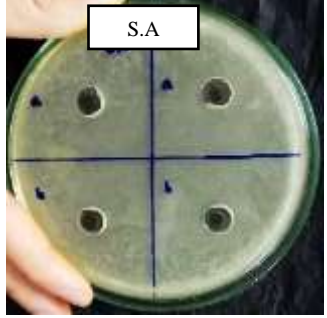
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
15	0,3	0,06	2	2	6,6	70 - 100	 Perbesaran 50.000  Perbesaran 30.000  Perbesaran 10.000x  Perbesaran 5.000	 E.C (a=0; b=0)  S.A (a=0; b=0)

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.20

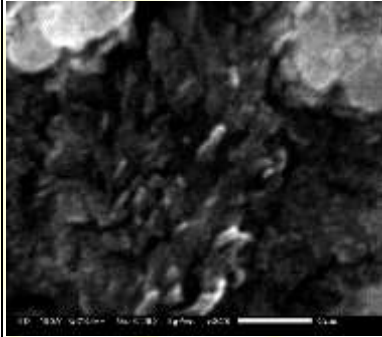
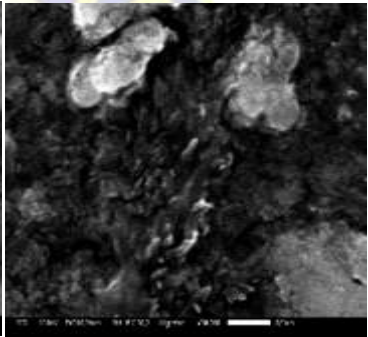
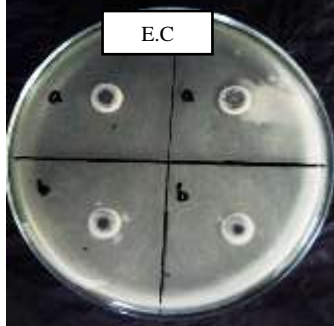
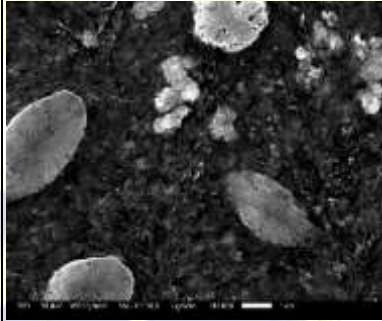
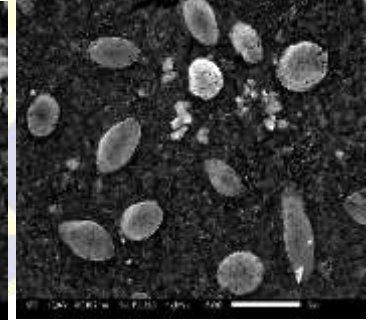
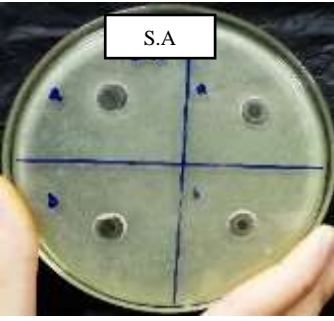
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
16	0,3	0,06	2	2	8.9	0	 <p>Perbesaran 30.000x Perbesaran 10.000x</p>  <p>Perbesaran 5.000x Perbesaran 3.000x</p>	 <p>E.C</p> <p>(a=13; b=13)</p>  <p>S.A</p> <p>(a=0; b=0)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.21



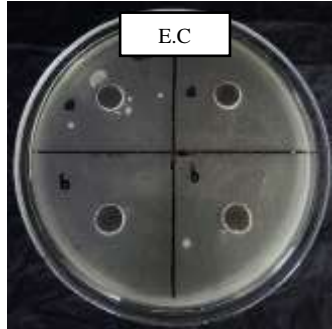
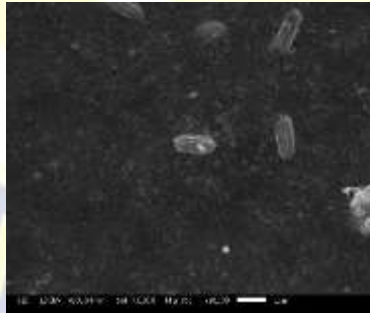
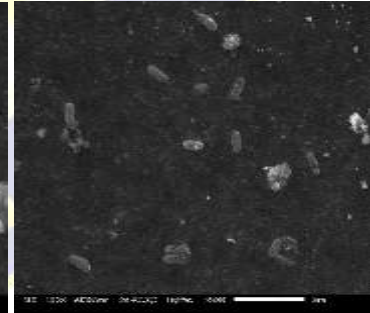
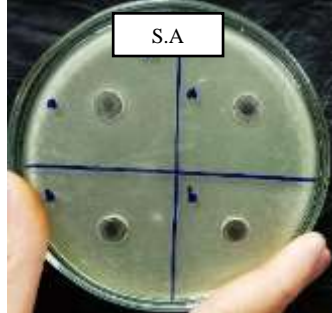
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)	
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)	
17	0,7	0,06	2	2	9,1	50 – 100	 Perbesaran 50.000x	 Perbesaran 30.000x	 E.C (a=11; b=0)
							 Perbesaran 10.000x	 Perbesaran 5.000x	 S.A (a=0; b=0)

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.22

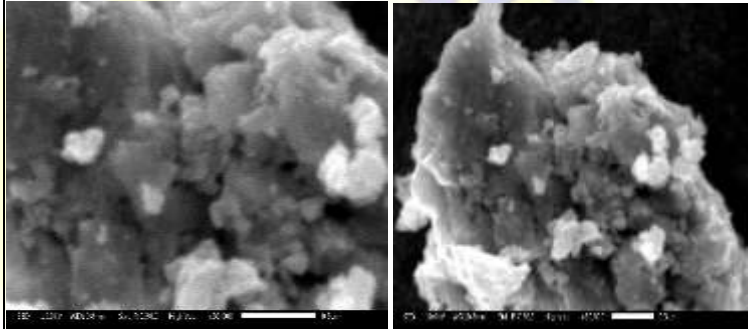
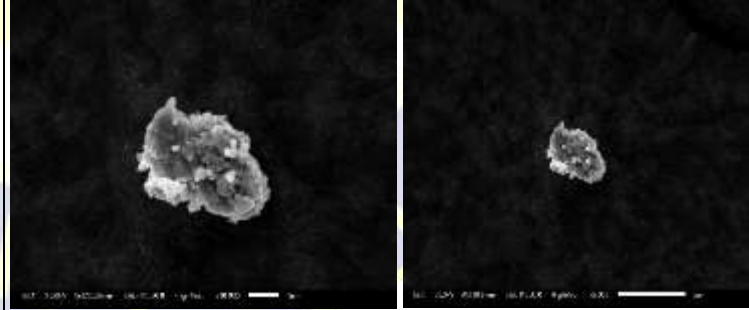
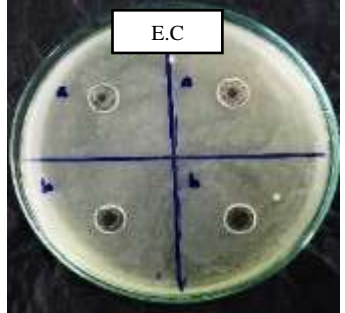

Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)	
								<i>Escherichia coli</i>	Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
18	0,1	0,02	1	3	11,3	500 - 600	 Perbesaran 50.000x	 Perbesaran 30.000x	 E.C (a=0; b=0)
							 Perbesaran 10.000x	 Perbesaran 5.000x	 S.A (a=0; b=0)

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.23

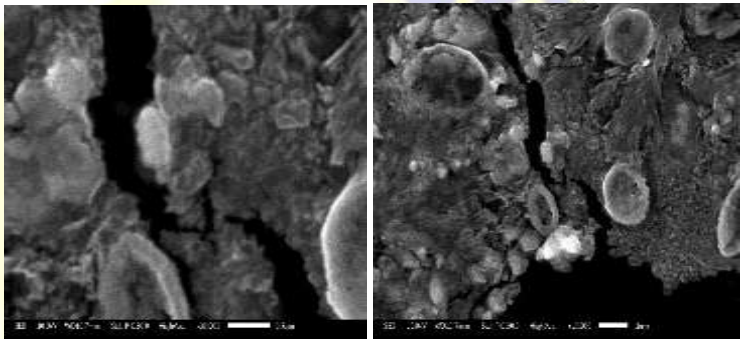
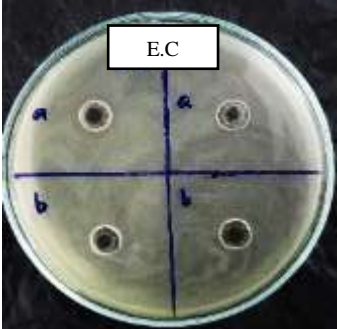
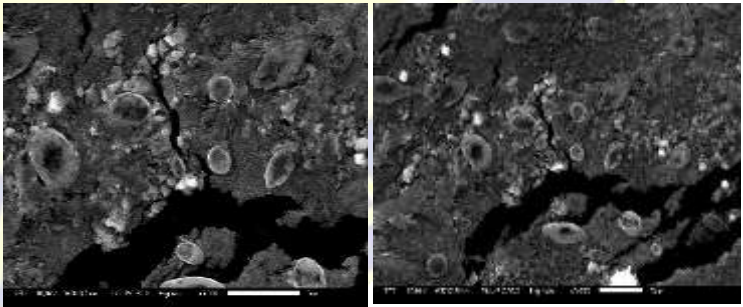
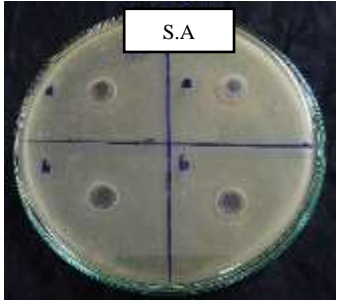
Hasil SEM dan Aktivitasnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
19	0,3	0,06	0	2	5,1	0	 <p>Perbesaran 50.000x Perbesaran 30.000x</p>  <p>Perbesaran 10.000x Perbesaran 5.000x</p>	 <p>E.C</p> <p>(a=0; b=0)</p>  <p>S.A</p> <p>(a=0; a=0)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.24

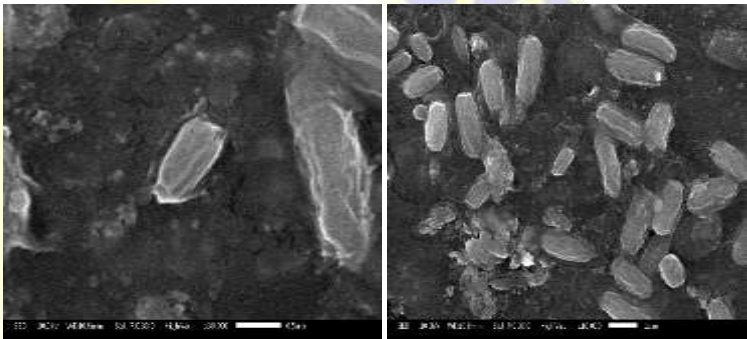
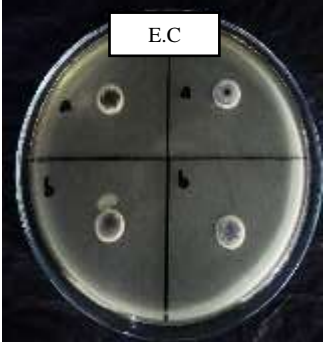
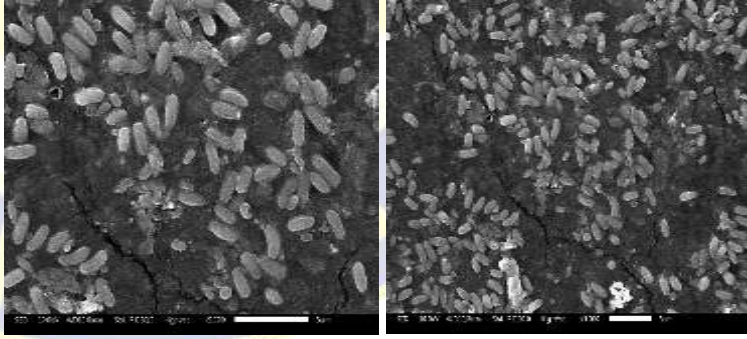
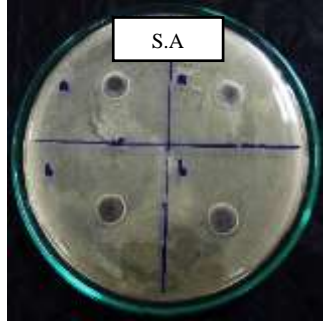
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
20	0,3	0,06	2	2	11,4	0	 <p>Perbesaran 30.000x Perbesaran 10.000x</p>	 <p>E.C.</p> <p>(a=0; b=0)</p>
							 <p>Perbesaran 5.000x Perbesaran 3.000x</p>	 <p>S.A.</p> <p>(a=0; b=0)</p>

**LAMPIRAN 7
(LANJUTAN)**

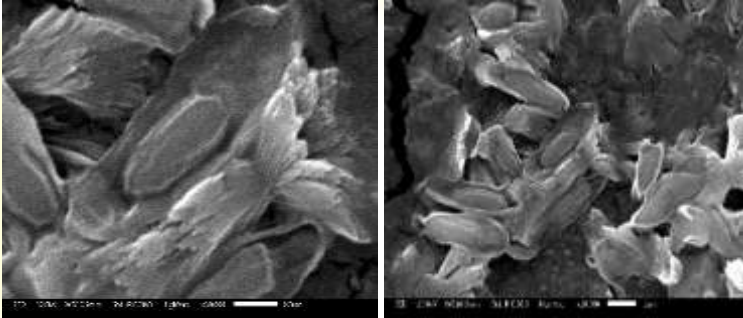
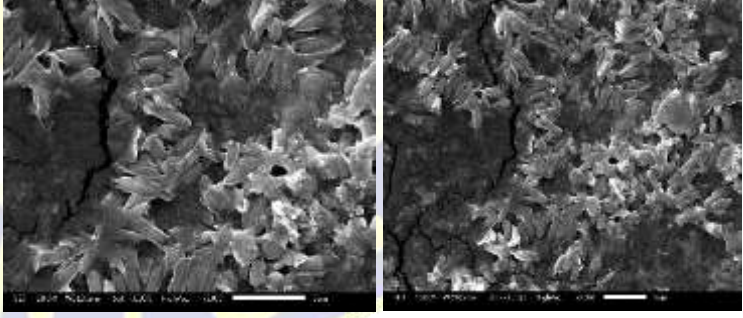
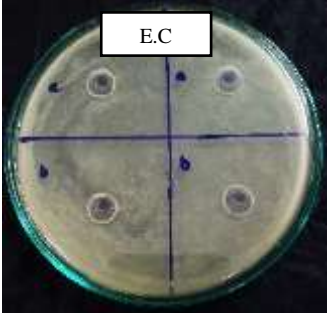
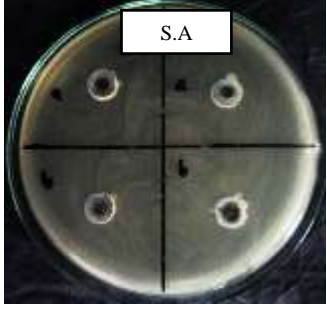
Tabel VI.25

Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
21	0,1	0,02	1	1	9,3	250 - 500	 <p style="text-align: center;">Perbesaran 30.000x Perbesaran 10.000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a=0; b=0)</p>
							 <p style="text-align: center;">Perbesaran 5.000 Perbesaran 3.000x</p>	 <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=11; b=11)</p>

**LAMPIRAN 7
(LANJUTAN)**

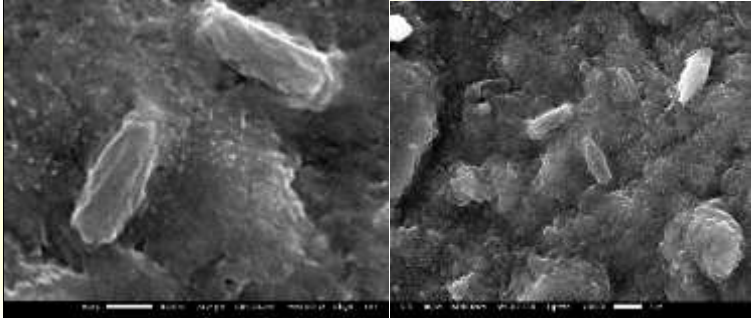
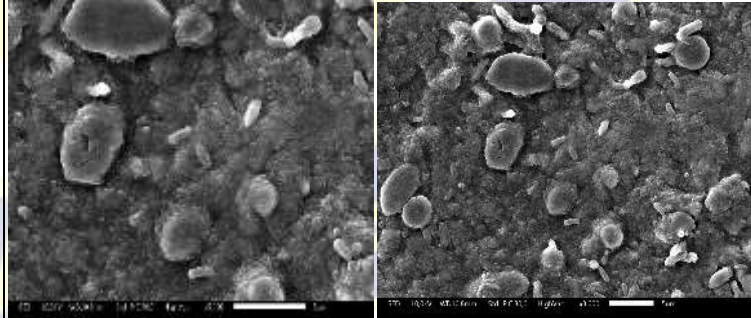
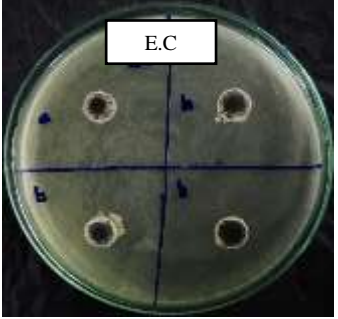
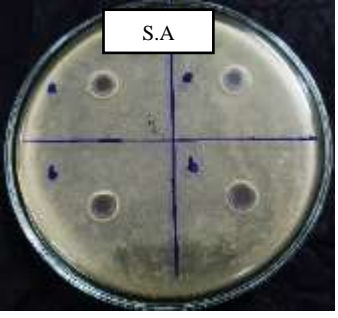
Tabel VI.26
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
22	0,1	0,02	3	1	12,3	500 – 1000	 <p style="text-align: center;">Perbesaran 30.000x Perbesaran 10.000x</p>  <p style="text-align: center;">Perbesaran 5000x Perbesaran 3.000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a=0; b=0)</p>  <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=0; b=0)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.27

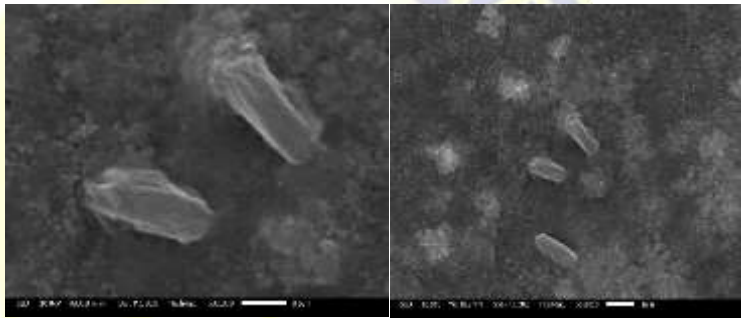
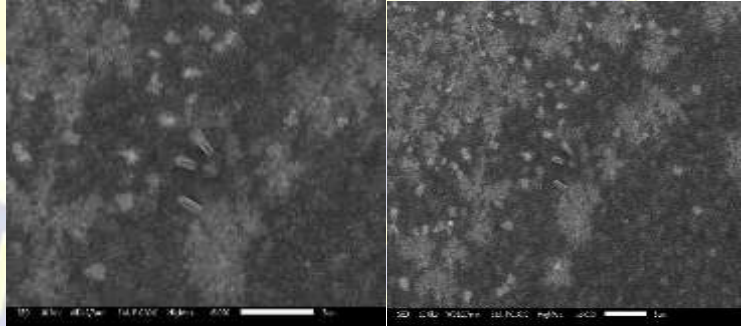
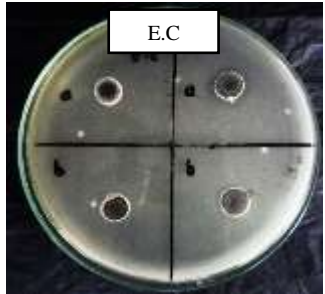
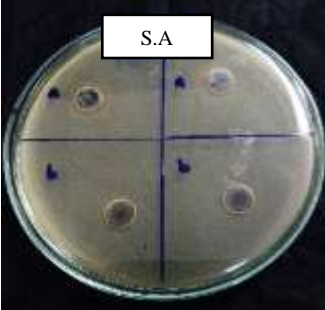
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
23	0,5	0,1	3	3	10,6	250 - 600	 <p>Perbesaran 30.000x Perbesaran 10.000x</p>  <p>Perbesaran 5.000x Perbesaran 3.000x</p>	 <p>E.C.</p> <p>(a=0; b=0)</p>  <p>S.A.</p> <p>(a=0; b=0)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.28

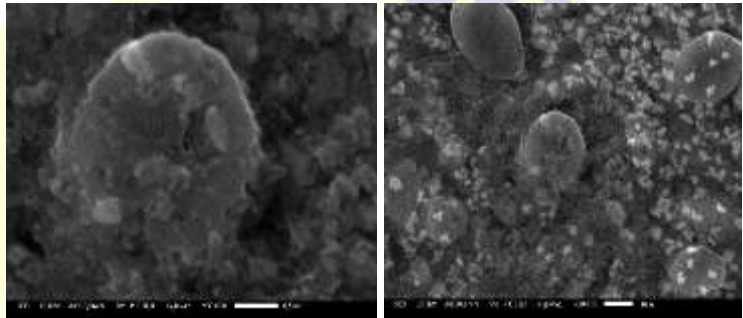
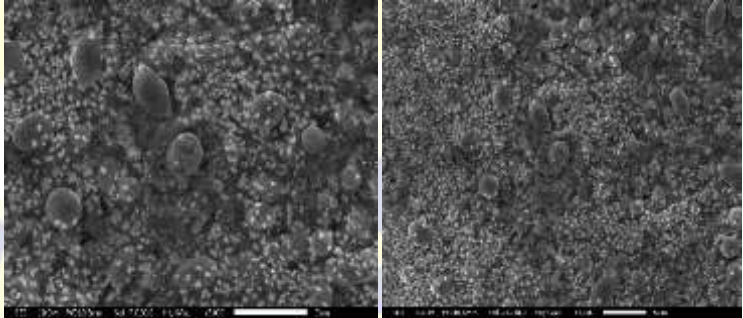
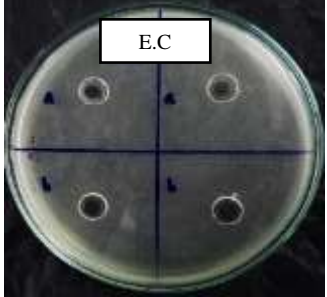

Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
24	0,5	0,02	1	3	8,1	350 – 560	 <p style="text-align: center;">Perbesaran 30.000x Perbesaran 10.000x</p>  <p style="text-align: center;">Perbesaran 5.000x Perbesaran 3.000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a=14; b=0)</p>  <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=0; b=0)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.29

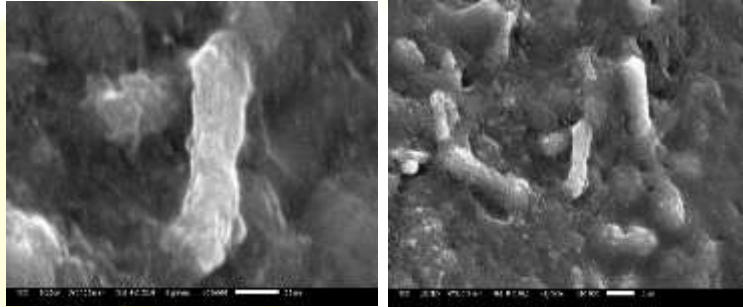
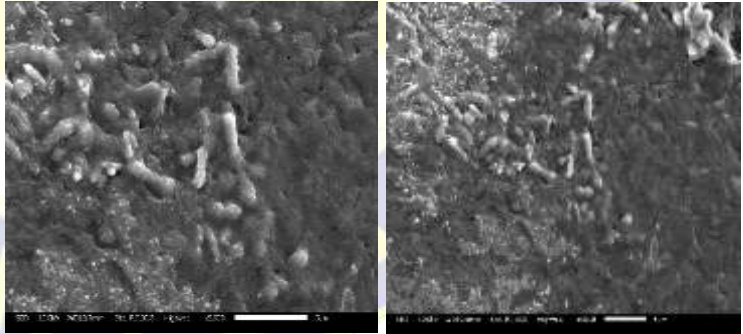
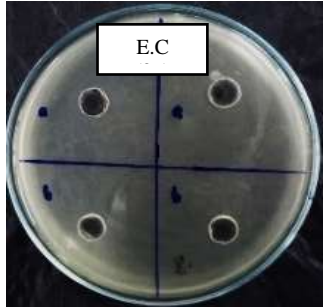
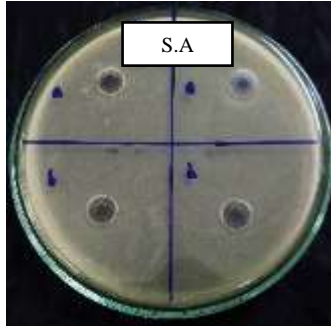
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
25	0,5	0,1	3	1	7	0	 <p style="text-align: center;">Perbesaran 30.000x Perbesaran 10.000x</p>  <p style="text-align: center;">Perbesaran 5.000x Perbesaran 3.000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a=10; b=10)</p>  <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=0; b=0)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.30

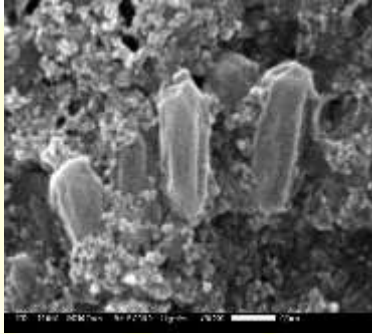
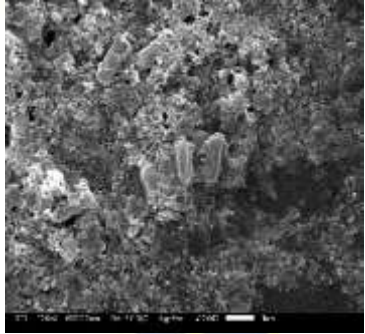
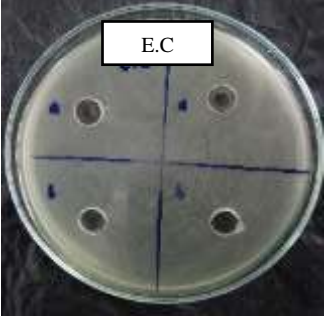
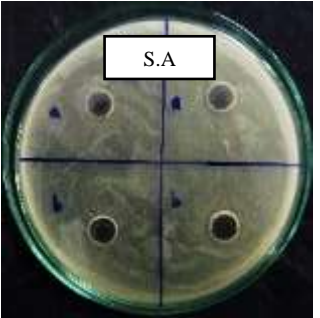
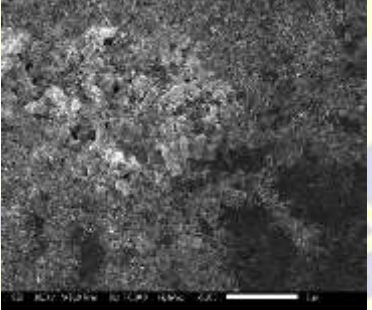
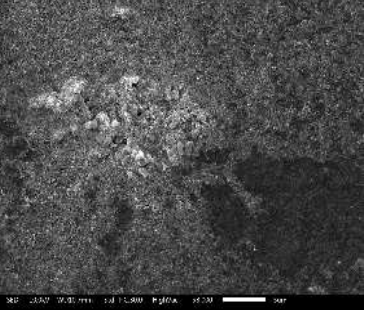
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
26	0,1	0,1	3	3	39	500 – 700	 <p>Perbesaran 30.000x Perbesaran 10.000x</p>  <p>Perbesaran 5.000x Perbesaran 3.000x</p>	 <p>E.C.</p> <p>(a=0; b=0)</p>  <p>S.A.</p> <p>(a=0; b=0)</p>

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.31

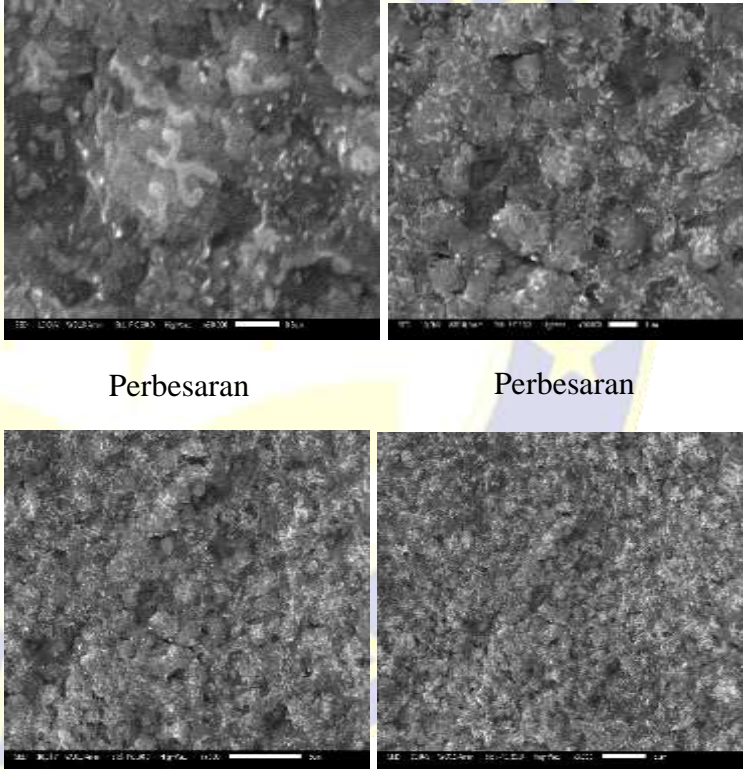
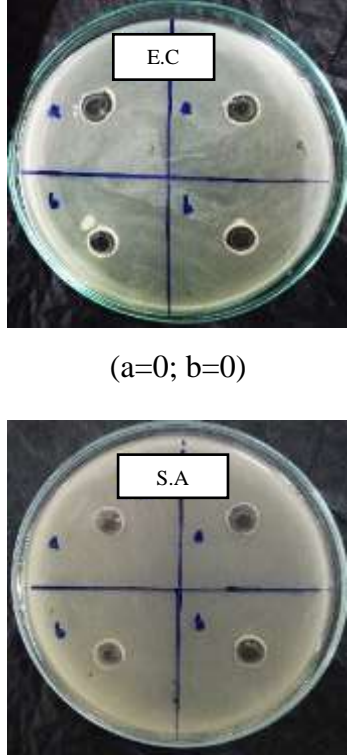
Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM		Hasil Uji Bakteri (mm)	
									<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)	
27	0,5	0,1	1	3	39,7	250 - 600	 Perbesaran	 Perbesaran	 E.C. (a=0; b=0)	 S.A. (a=0; b=0)
							 Perbesaran 5.000x	 Perbesaran 3.000x		

**LAMPIRAN 7
(LANJUTAN)**

Tabel VI.32

Hasil SEM dan Aktivasnnya terhadap Bakteri

Percobaan ke	Alginat (%)	CaCl ₂ (%)	Rasio alginat	Rasio CaCl ₂	Bobot Serbuk (mg)	Ukuran Partikel (nm)	Hasil SEM	Hasil Uji Bakteri (mm)
								<i>Escherichia coli</i> Dan <i>Staphylococcus aureus</i> (a= 1000ppm, b=500ppm)
28	0,5	0,02	1	1	12	0	 <p style="text-align: center;">Perbesaran Perbesaran</p> <p style="text-align: center;">Perbesaran 5.000x Perbesaran3000x</p>	 <p style="text-align: center;">E.C</p> <p style="text-align: center;">(a=0; b=0)</p> <p style="text-align: center;">S.A</p> <p style="text-align: center;">(a=0; b=0)</p>

RIWAYAT HIDUP

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