

LAMPIRAN

Lampiran 1 Hasil Determinasi Tanaman Sukun



DIREKTORAT PENGELOLAAN KOLEKSI ILMIAH
 (Directorate of Scientific Collection Management)
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Nomor : B-933/IV/DI.05.07/4/2022
 Lampiran : -
 Perihal : Hasil Identifikasi/Determinasi
 Tumbuhan

4 April 2022

Yth.
 Bpk./Ibu/Sdr(i). **Irnawati Nurjanah**
 NIM : 20180311064
 Universitas Esa Unggul

Bersama ini kami sampaikan hasil identifikasi/determinasi tumbuhan yang Saudara kirimkan ke "Herbarium Bogoriense", Direktorat Pengelolaan Koleksi Ilmiah BRIN Cibinong, adalah sebagai berikut :

No.	No. Kol.	Jenis	Suku
1.	Daun dan Batang tanaman Sukun	<i>Artocarpus communis</i> J.R.Forst. & G.Forst.	Moraceae

Demikian, semoga berguna bagi Saudara.

Plt. Direktur Pengelolaan Koleksi Ilmiah,
 Badan Riset Dan Inovasi Nasional.

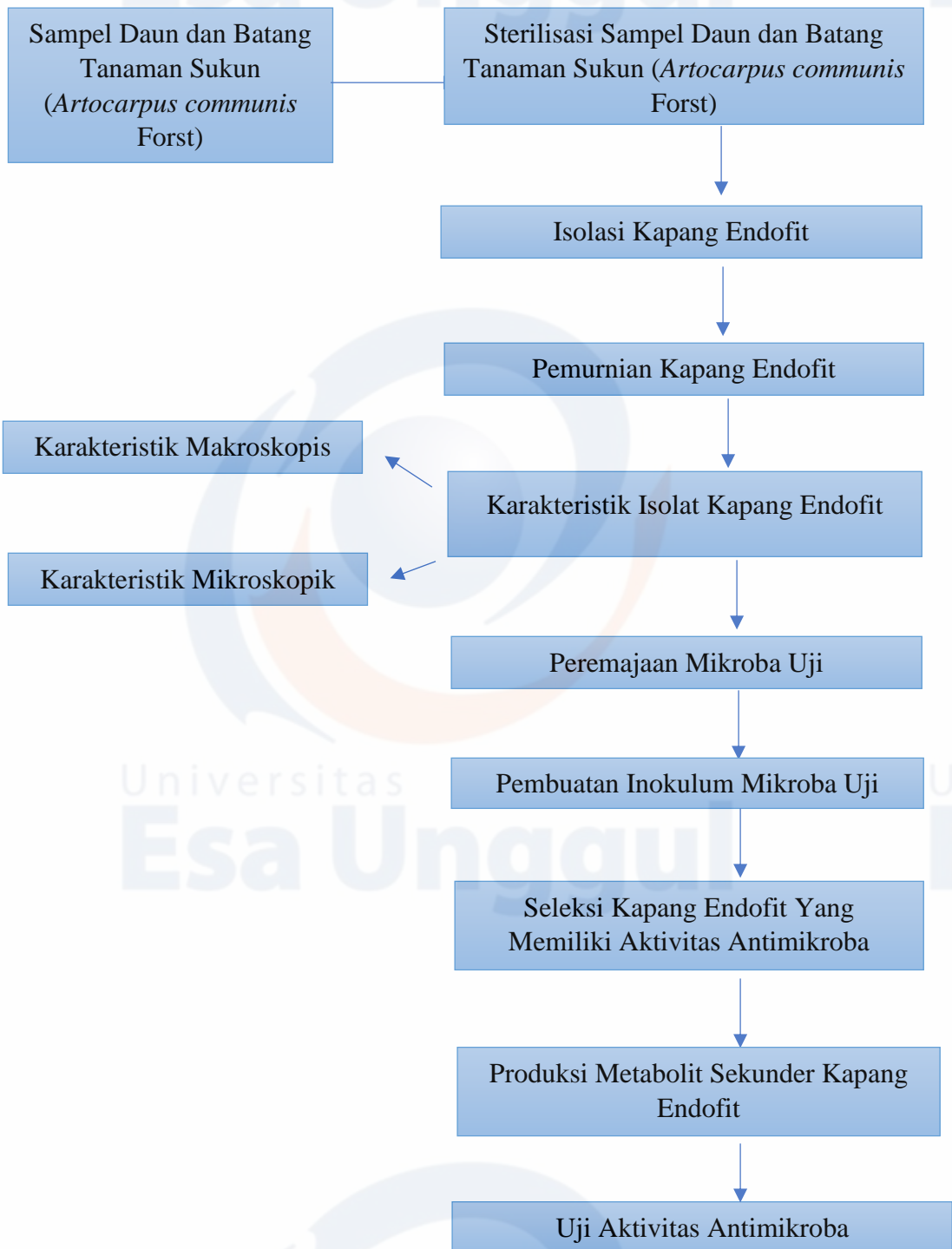
 TT ELEKTRONIK

Dr. Ir. Hendro Wicaksono, M.Sc., Eng.



Dokumen ini ditandatangani secara elektronik menggunakan sertifikat dari BSRF, silahkan lakukan verifikasi pada dokumen elektronik yang dapat diunduh dengan melakukan scan QR Code

Lampiran 2 Alur Penelitian



Lampiran 3 Diameter Zona Hambat

A. Tabel Diameter Zona Hambat Isolat B1a-Ir Terhadap *Staphylococcus aureus*

Jam ke	Replikasi 1	Replikasi 2	Replikasi 3	Rata-Rata
0	0	0	0	0
6	1.73	2.25	1.48	1.82
12	2.13	2.98	1.9	2.34
24	2.75	3.53	2.4	2.89
30	3.33	3.83	3.05	3.40
36	4	4.55	3.78	4.11
48	4.73	5.63	4.55	4.97
54	5.2	6.85	5	5.68
60	6.58	7.63	6.58	6.93
72	7.33	8.35	7.15	7.61
78	8.45	8.95	8.18	8.53
84	9.33	9.25	9	9.19
96	7.7	7.9	7.45	7.68
102	7,18	7.33	6.95	7.15
108	6.28	6.43	6.03	6.25
Kontrol +	3.04	3.38	3.11	3.21

B. Tabel Diameter Zona Hambat Isolat B2a-Ir Terhadap *Candida albicans*

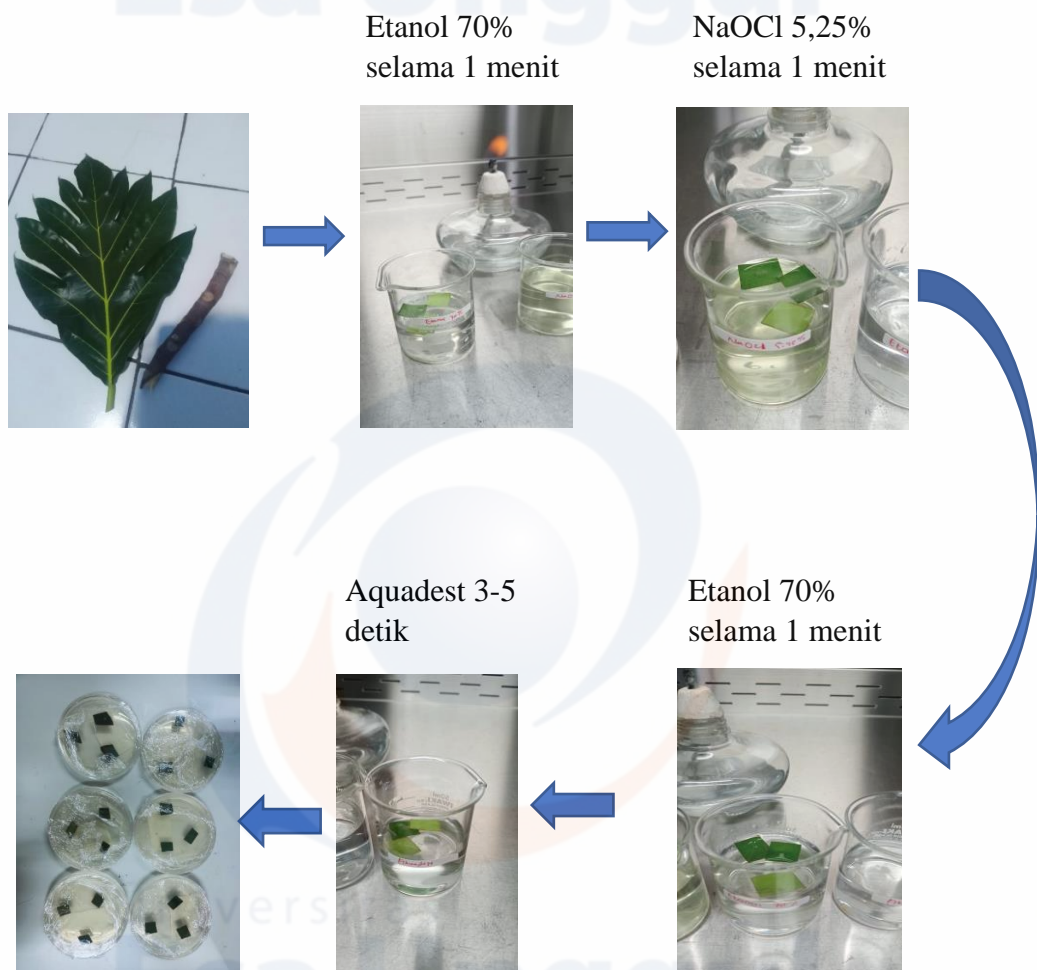
Jam ke	Replikasi 1	Replikasi 2	Replikasi 3	Rata-Rata
0	0	0	0	0.00
6	0	0	0	0.00
12	5.95	6	6.5	6.15
24	11.8	11.9	8.13	10.02
30	9.93	10.13	7.8	9.29
36	6.45	6.58	8.58	7.20
48	12.13	12.2	10	11.44
54	10.28	9.98	8.4	9.55
60	5.78	5.55	4.25	5.19
72	12.55	12.63	12.33	12.50
78	13.6	13.03	12.63	13.09
84	10.05	9.55	8.95	9.52
96	8.93	8.2	7.78	8.30
102	6.33	6.15	8.03	6.84
108	7.4	5.43	7.85	6.89
Kontrol +	11.88	11.93	8.82	10.88

C. Tabel Diameter Zona Hambat Isolat B3b-Ir Terhadap *Candida albicans*

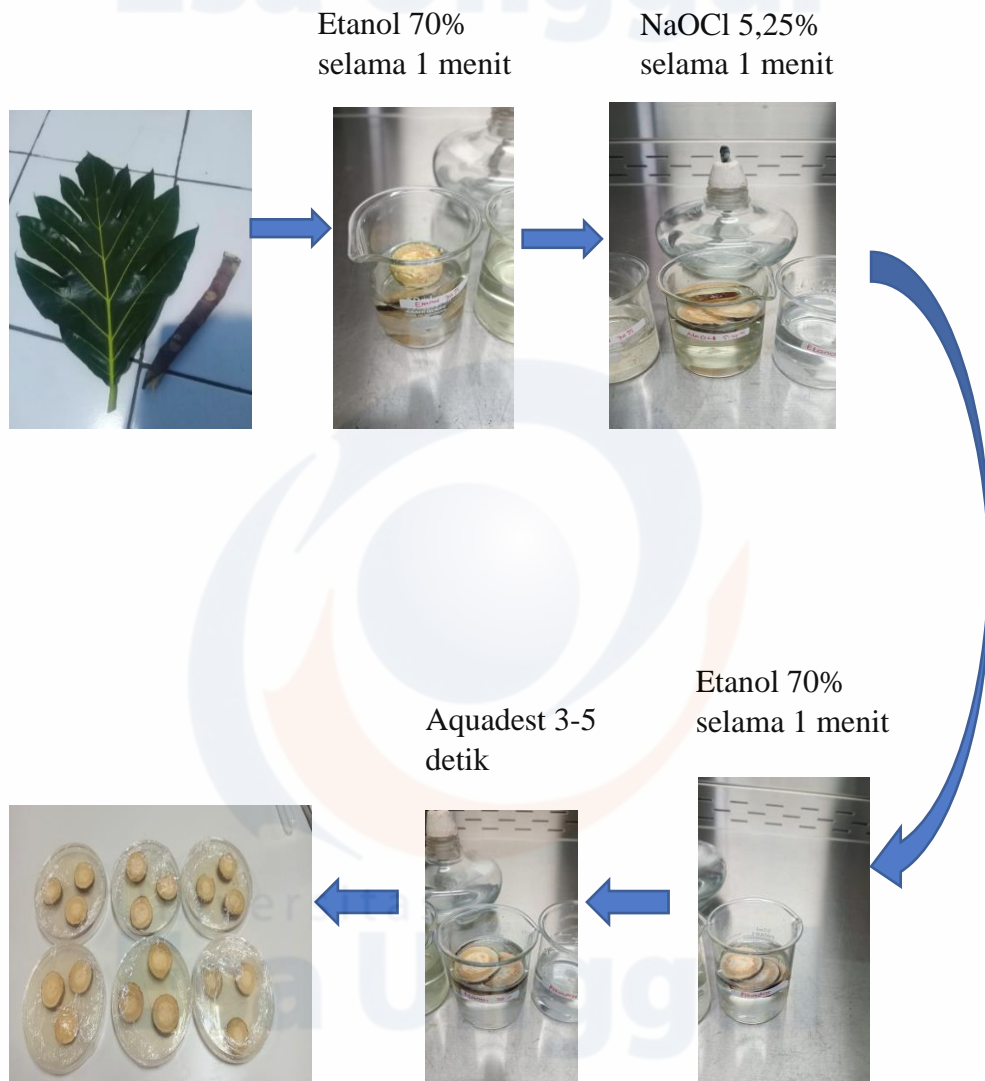
Jam ke	Replikasi 1	Replikasi 2	Replikasi 3	Rata-Rata
0	0	0	0	0
6	0	0	0	0
12	0.85	1.1	11.53	4.49
24	12.25	12.45	11.23	11.98
30	9.35	11.88	2.43	7.89
36	13,25	12.78	4.55	8.67
48	13.6	13	13.45	13.35
54	12.1	12.2	11.95	12.08
60	12.23	12.58	12.35	12.39
72	13.83	14.13	13.83	13.93
78	13.13	13.35	13.05	13.18
84	13.98	11.65	11.4	12.34
96	12.65	11.98	11.65	12.09
102	11.68	13.75	13.53	12.99
108	12.1	12.43	12.08	12.09
Kontrol +	11.9	11.83	11.23	11.65

Lampiran 4 Isolasi Kapang Endofit

a. Isolasi Kapang Endofit Pada Daun Sukun



b. Isolasi Kapang Endofit Pada Batang Sukun



Lampiran 5 Pemurnian Kapang Endofit

Hasil Pemurnian Kapang Endofit



Isolat D1a-Ir



Isolat B1b-Ir



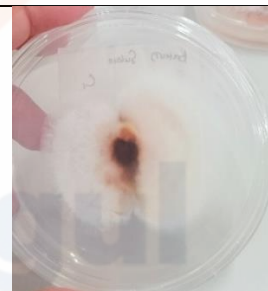
Isolat D1b-Ir



Isolat B2a-Ir



Isolat D2a-Ir



Isolat B3a-Ir

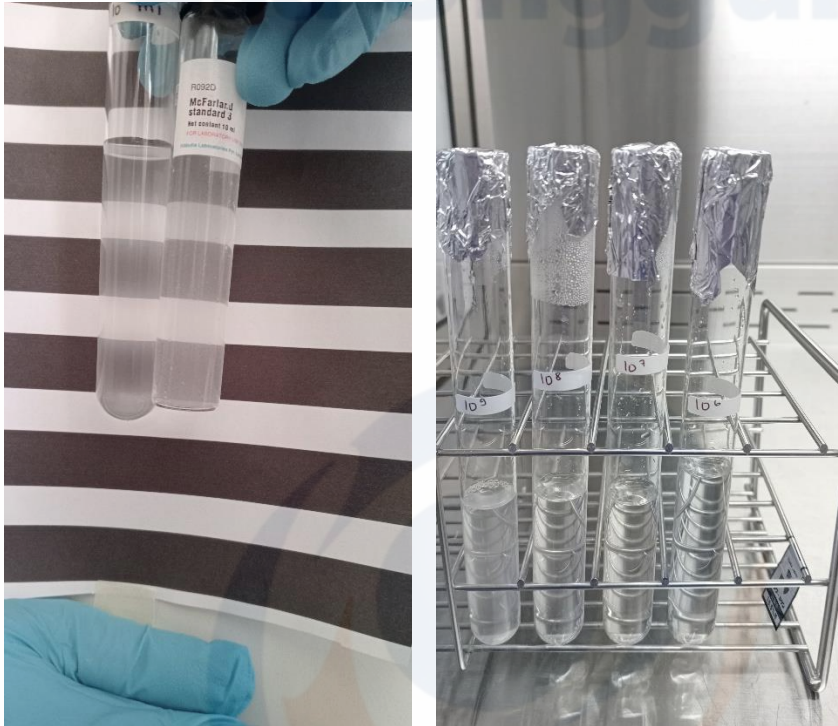


Isolat B1a-Ir



Isolat B3b-Ir

Lampiran 6 Pembuatan Inokulum Mikroba Uji



Lampiran 7 Produksi Metabolit Sekunder Kapang Endofit

Supernatan Isolat B2a-Ir



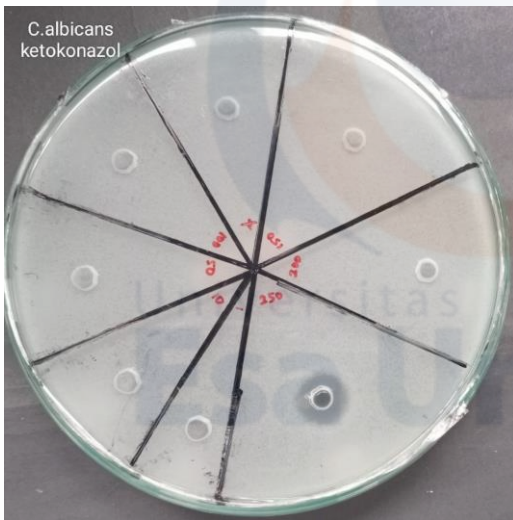
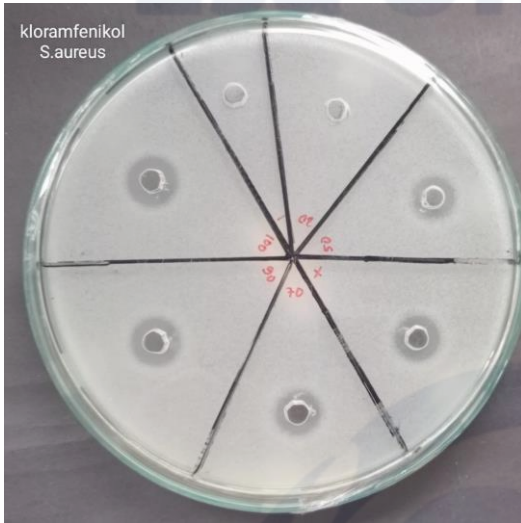
Supernatant isolat B3b-Ir



Supernatant isolat Isolat B1a-Ir



Lampiran 8 Hasil Zona Hambat Uji Aktivitas Antibiotik

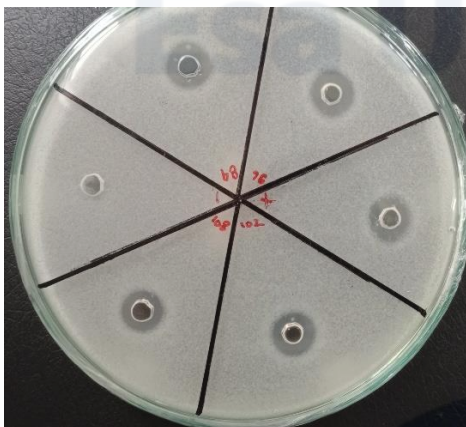
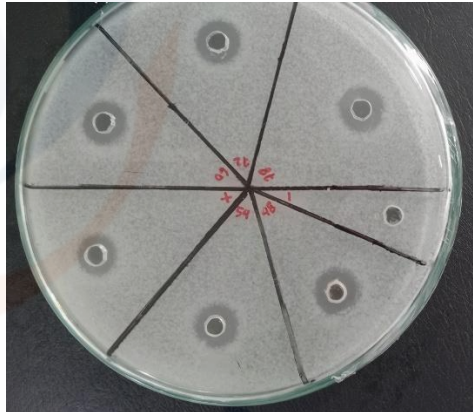
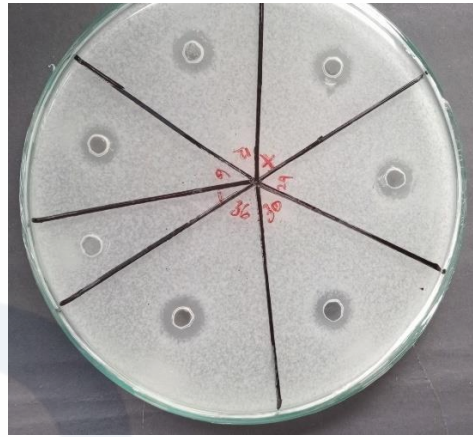
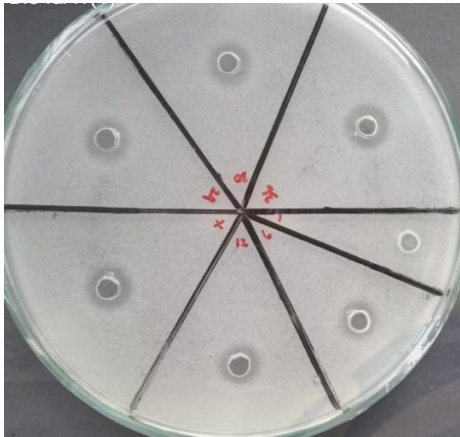


Lampiran 9 Hasil Zona Hambat Uji Aktivitas Antimikroba

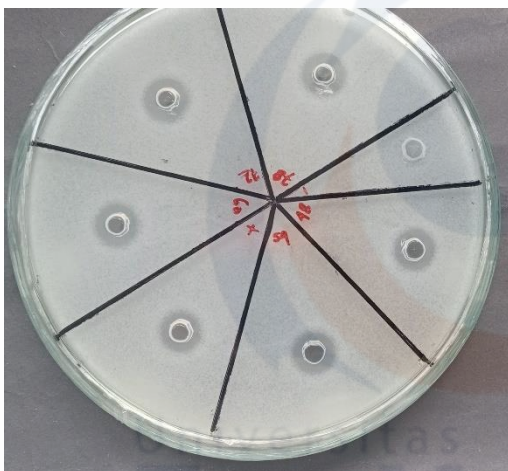
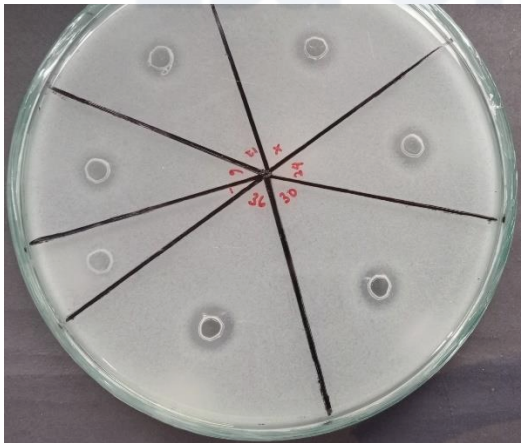
a. Isolat B1a-Ir Terhadap *Staphylococcus aureus*

Replikasi 1

Replikasi 2



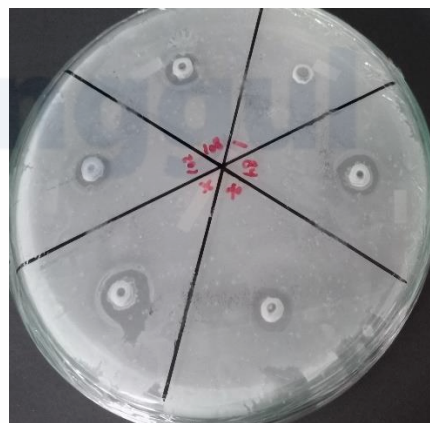
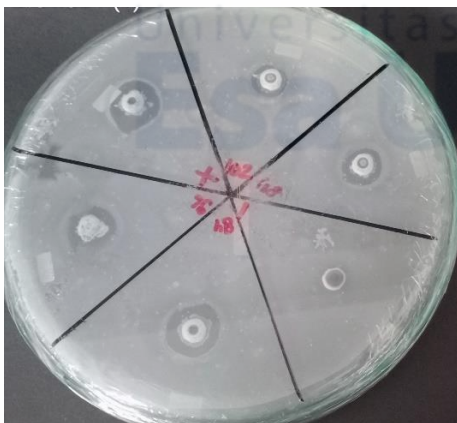
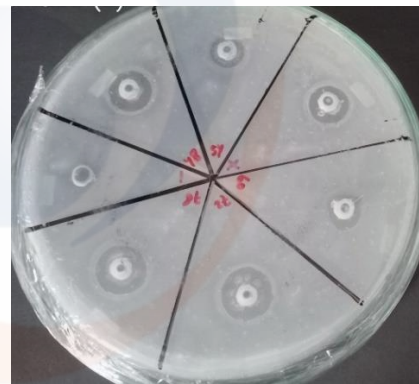
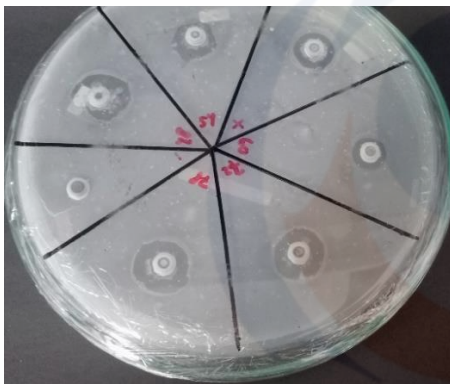
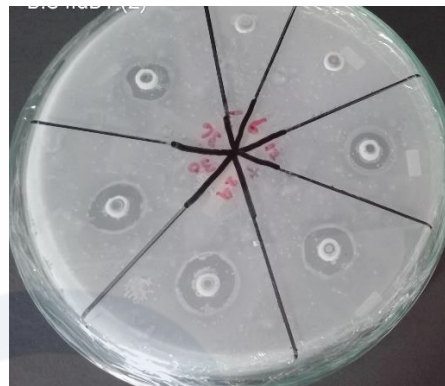
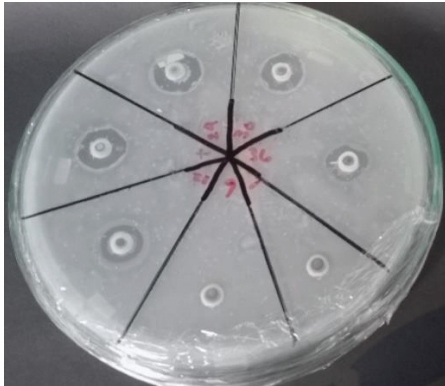
Replikasi 3



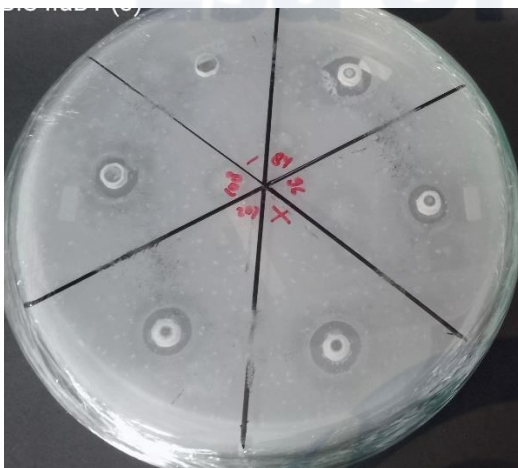
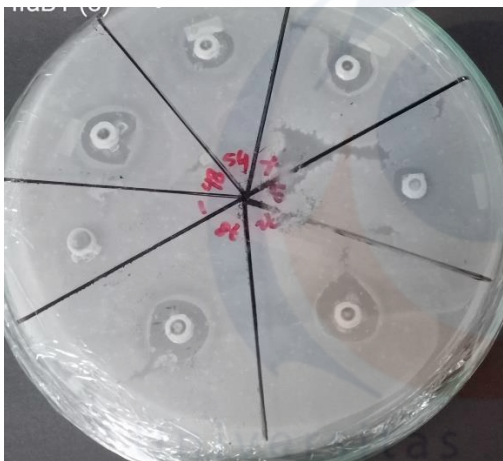
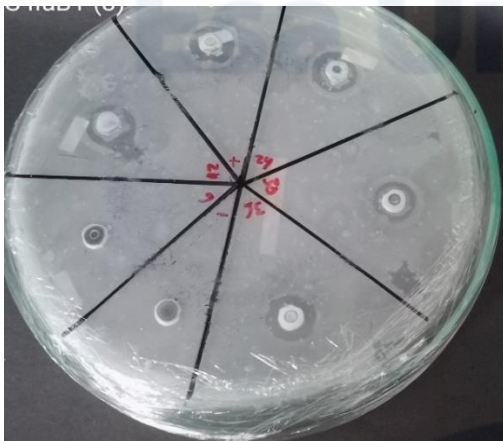
b. Isolat B2a-Ir Terhadap *Candida albicans*

Replikasi 1

Replikasi 2



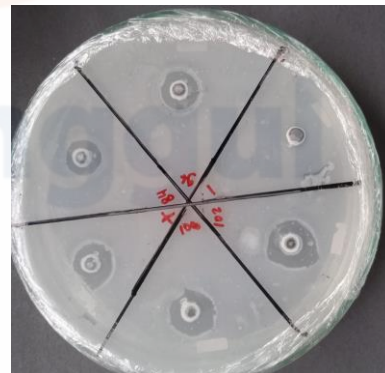
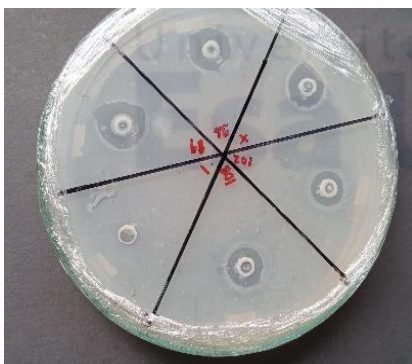
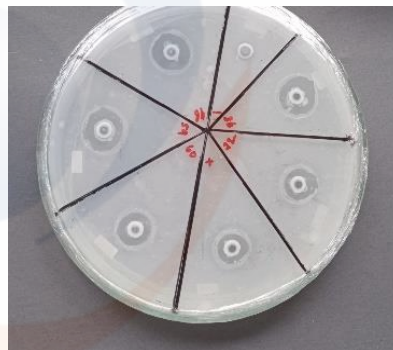
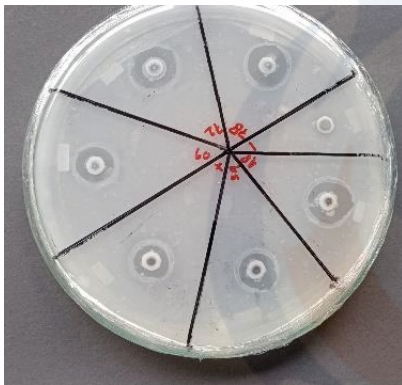
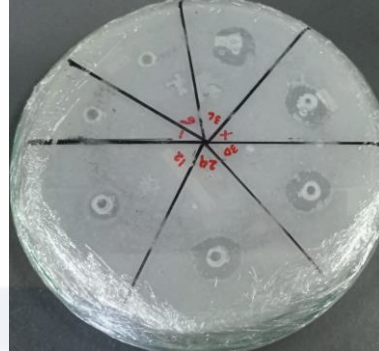
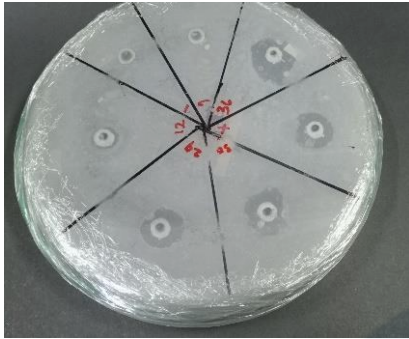
Replikasi 3



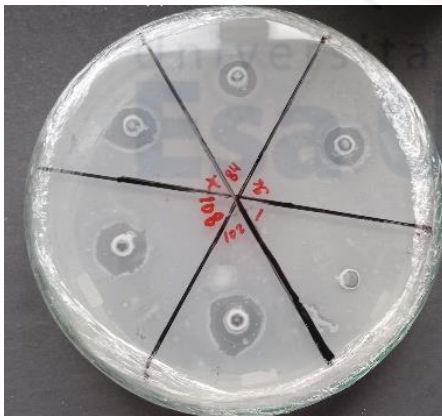
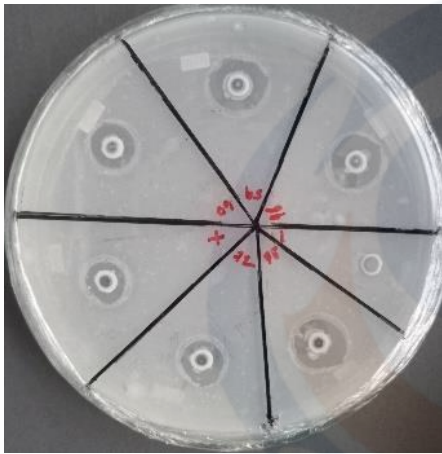
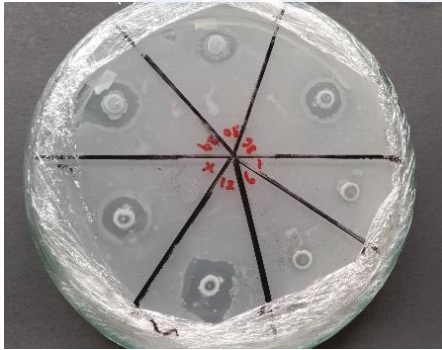
c. Isolat B3b-Ir Terhadap *Candida albicans*

Replikasi 1

Replikasi 2



Replikasi 3



Lampiran 10 Alat Yang Digunakan



Autoklaf



Microwave



Inkubator



Vortex



Vertikal Shaker



Laminar Air Flow



Sentrifugasi



Sentrifugasi



Freezer



Neraca Analitik



Cork Borer



Mikropipet

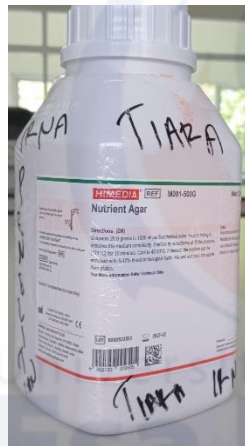
Lampiran 11 Bahan Yang Digunakan



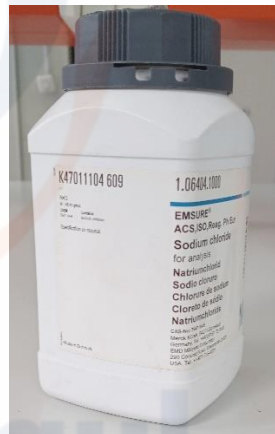
Potato Dextrose Broth



Potato Dextrose Agar



Nutrient Agar



NaCl



Ketokonazole



Kloramfenikol



McFarland



Sampel daun dan batang sukun

Lampiran 12 Proses Pengerjaan Di LAF

