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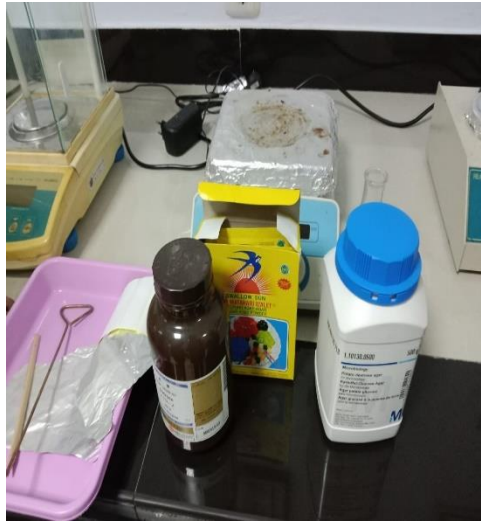
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LAMPIRAN

Lampiran 1. Kegiatan Penelitian di Laboratorium saat pembuatan Media PDA



Bahan Pembuatan Media



Proses menimbang Bahan berupa PDA, Agar, dan sukrosa menggunakan timbangan analitik



Menghomogenkan bahan PDA diatas *Hot Plate stirrer*

Lampiran 2. Kegiatan Penelitian di Laboratorium saat penuangan Media, pemurnian dan Identifikasi Cendawan



Menuangkan PDA ke dalam cawan petri yang telah disterilisasi



Proses peremajaan koleksi isolat cendawan pada media baru PDA



Proses pengamatan isolat secara mikroskopis

Lampiran 3. Kegiatan Penelitian di Laboratorium saat Pengujian IAA



Centrifuge Tube Memasukkan



Kultur Inkubasi pada Shaker



Mengambil sebanyak 4 ml Kultur



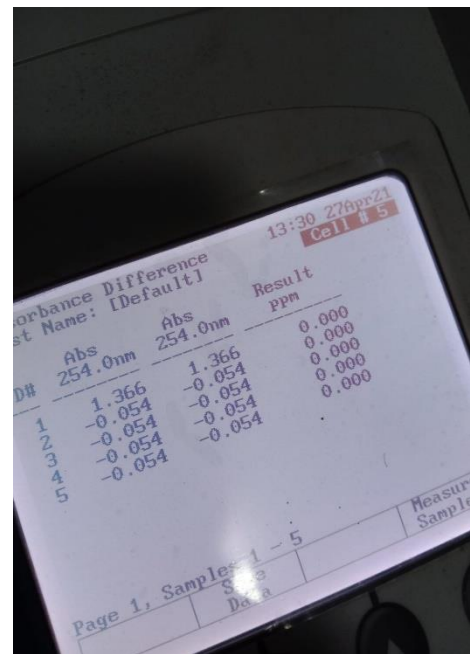
Kultur inkubasi setelah *centrifuge*



Hasil *centrifuge* kemudian disaring dalam tabung *ependorf*

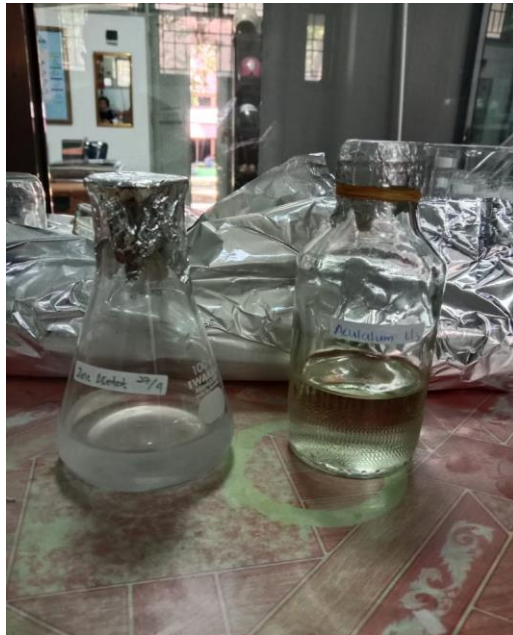


Penambahan larutan *Reageng salkowski* Kedalam larutan hasil kultur inkubasi

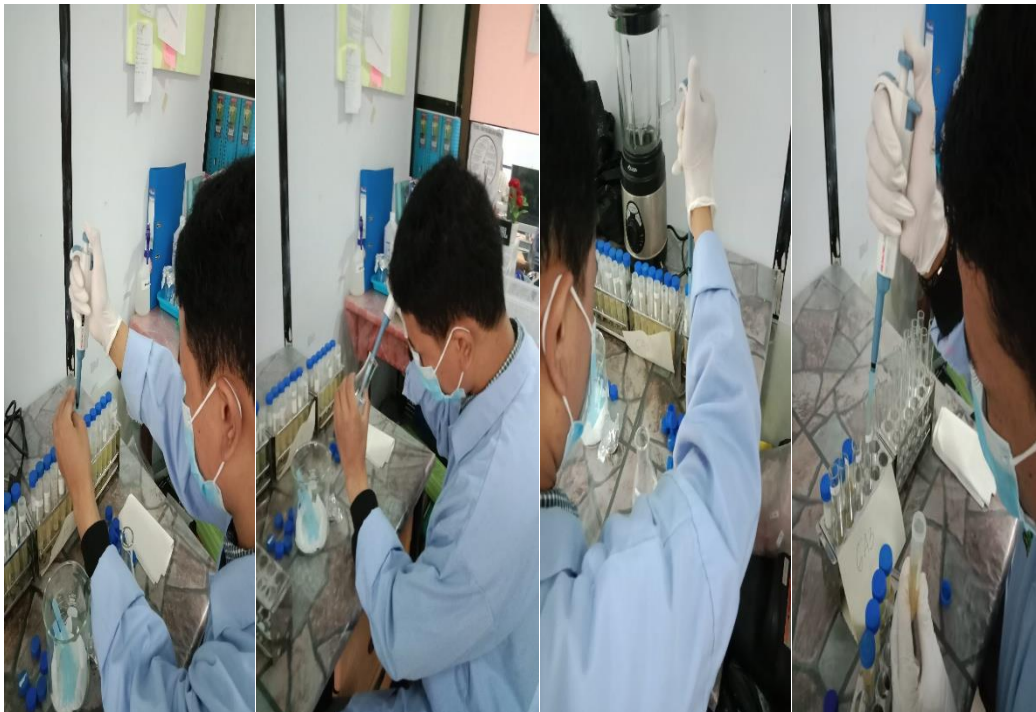


Pengukuran absorbansi isolat dengan Spektrofotometer

Lampiran 4. Kegiatan Penelitian di Laboratorium saat Pengujian GA



Larutan $ZnCl_2$



Penambahan larutan $C_6FeK_4N_6$ dan Larutan $ZnCl_2$ ke dalam kultur inkubasi isolat cendawan

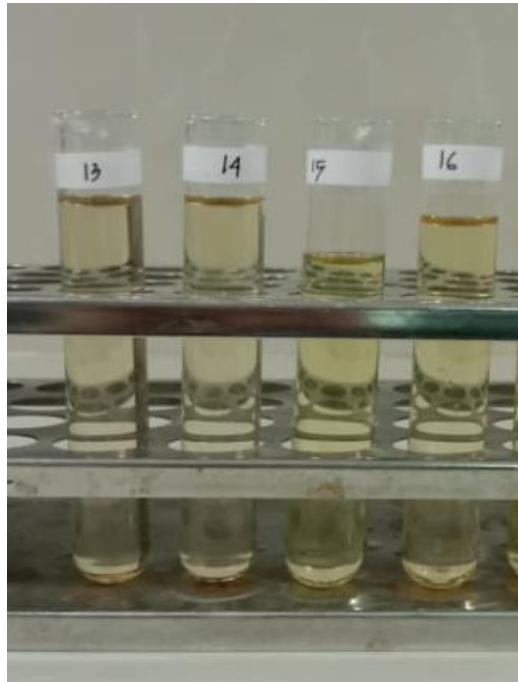
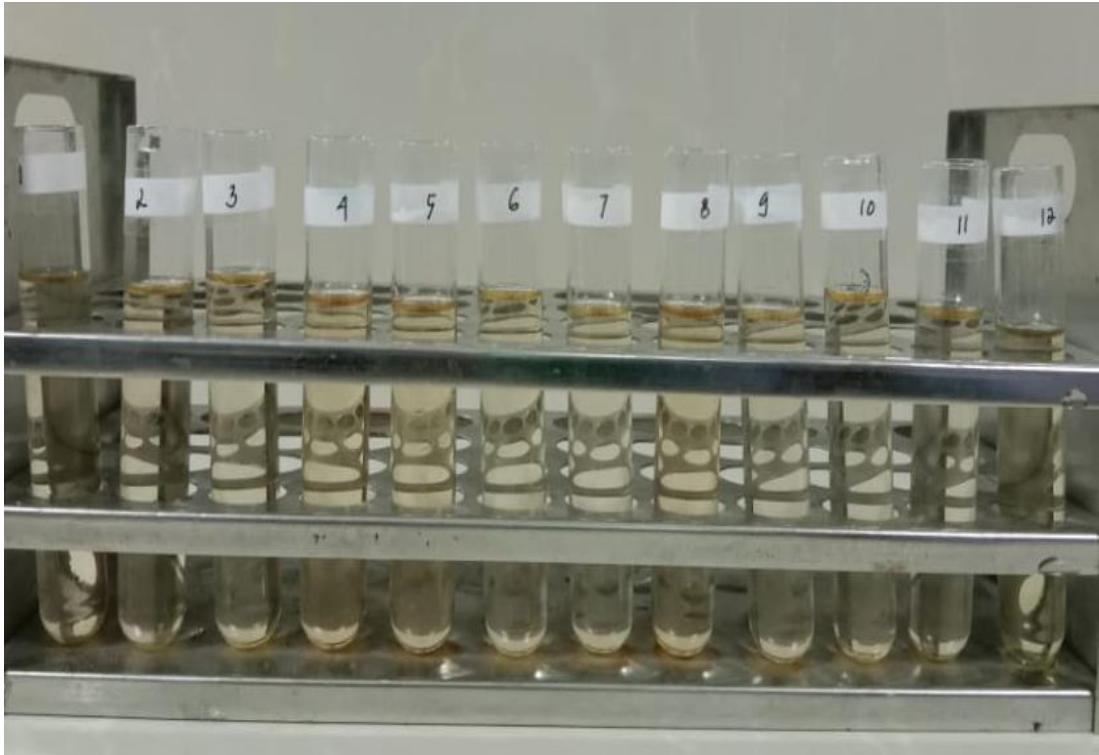


Kultur siap di uji Spektrofotometer

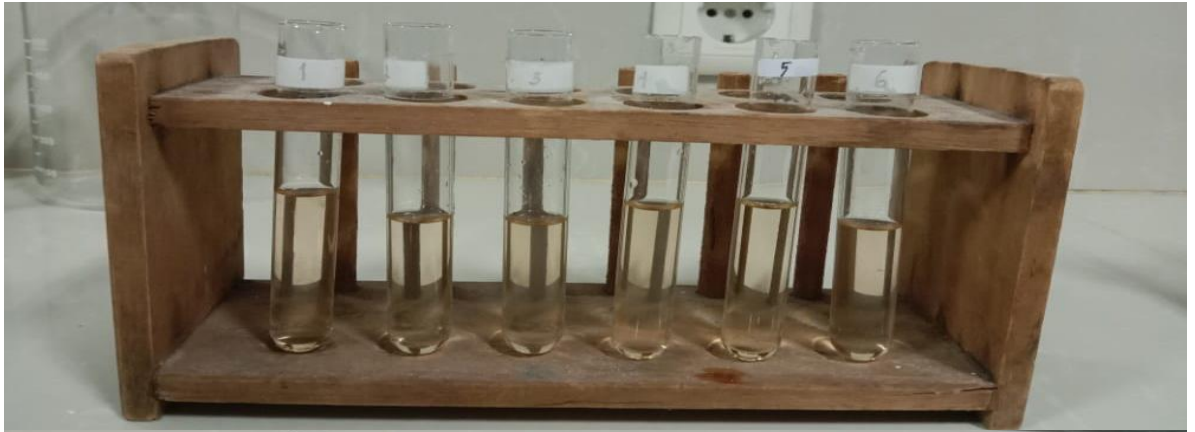


Pengukuran absorbansi isolat dengan menggunakan Spektrofotometer

Lampiran 5. Hasil Pengujian IAA dan GA



Hasil Uji IAA secara kualitatif cendawan rhizosfer yang memberikan perubahan warna



Hasil Uji GA secara kualitatif cendawan rhizosfer yng memberikan perubahan warna

Lampiran 6. Tabel Komposisi BahanMedia Pada *Potato Dextrose agar* (PDA)

No	Bahan	Jumlah
1	PDA	39 g
2	Agar-agar	10 g
3	Glukosa	10 g
4	Aquades	1000 ml
5	<i>Chloramphenicol</i>	0,5 g

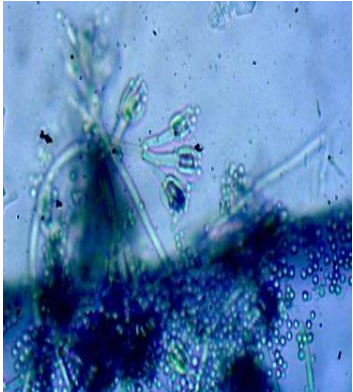
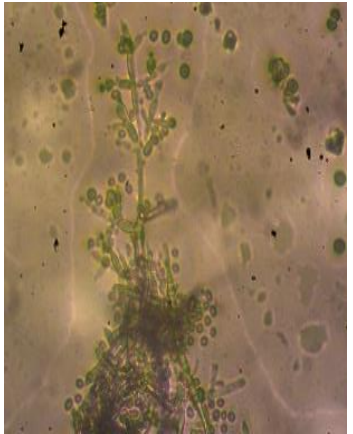

Media Cair *Potato Dextrose Broth* (PDB)

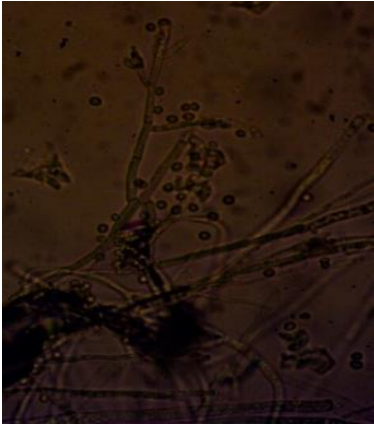
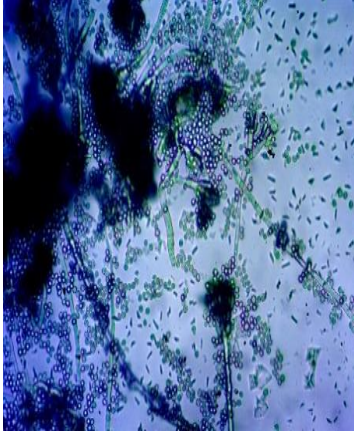
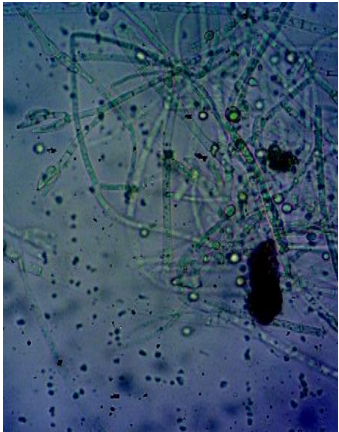
No	Bahan	Jumlah
1	PDB	24 g
2	L-Triptopan	0,1 g
3	Glukosa	20 g
4	Aquades	1000 ml



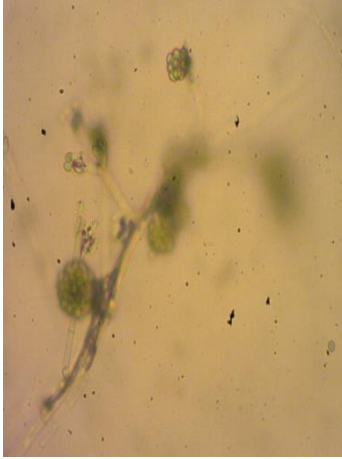
Komposisi Larutan Pengukuran Konsentrasi IAA dan GA3


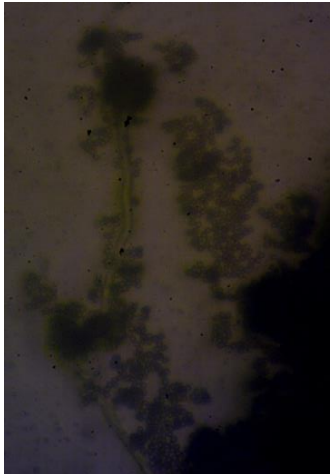

No	Bahan	Jumlah
1	FeCl ₃ 0,5	1.35 g / 10 mL
2	HClO ₄ 50%	25 mL HClO ₄
3	H ₂ O	24 ml
4	C ₆ FeK ₄ N ₆	2 ml
5	Zn(CH ₃ CO ₂) ₂	2 ml


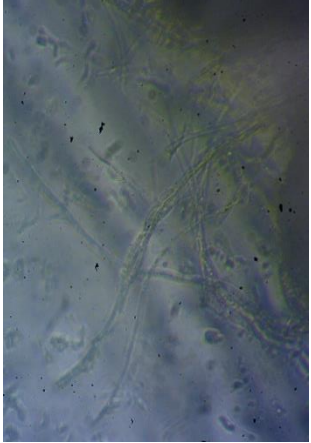
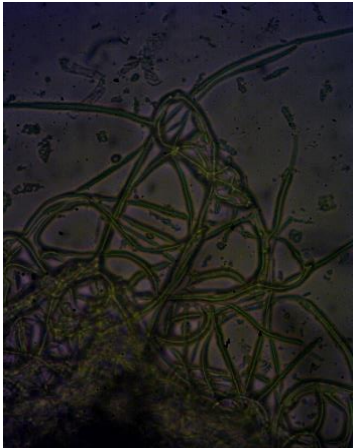
Lampiran 7. Karakteristik Mikroskopis pertumbuhan isolat Cendawan Rhizosfer Jabon Merah pada media PDA selama Tujuh Hari Masa Inkubasi.


Kode Isolat	Jumlah Isolat	Genus	Gambar Mikroskopis (Perbesaran 400x)
JCS 1	1	<i>Penicillium</i>	
JCS 2	1	<i>Tricoderma</i>	
JCS 3	1	<i>Tricoderma</i>	

JCS 4	1	<i>Penicillium</i>	
JCS 5	1	<i>penicillium</i>	
JCS 6	1	<i>Penicillium</i>	











JCS 7	1	<i>Fusarium</i>	
JCS 8	1	<i>Aspergillus</i>	
JCS 9	1	<i>Penicillium</i>	

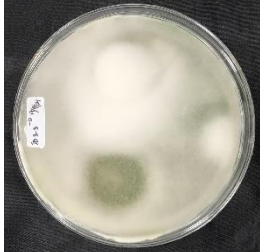











JCS 10	1	<i>Fusarium</i>	
JCS 11	1	<i>Aspergillus</i>	
JCS 12	1	<i>Penicillium</i>	

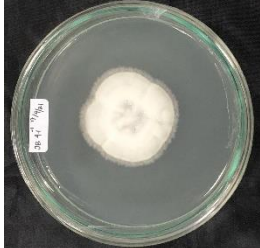








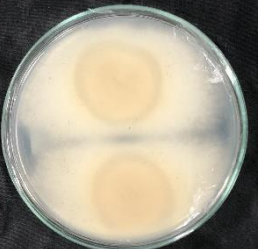
JCS 13	1	<i>Tricoderma</i>	
JCS 14	1	<i>Fusarium</i>	
JCS 15	1	X	

JCS 16	1	<i>Gongronella</i>	 A microscopic image showing several long, thin, curved filaments of the parasite Gongronella. The filaments are stained blue and have a slightly granular texture. There are also several small, circular, clear structures scattered throughout the field of view, which are likely eggs or oocysts of the parasite.
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**Lampiran 8. Koleksi Isolat Cendawan Rhizozfer pada Tegakan Jabon Merah
Selama ±7 hari Inkubasi**

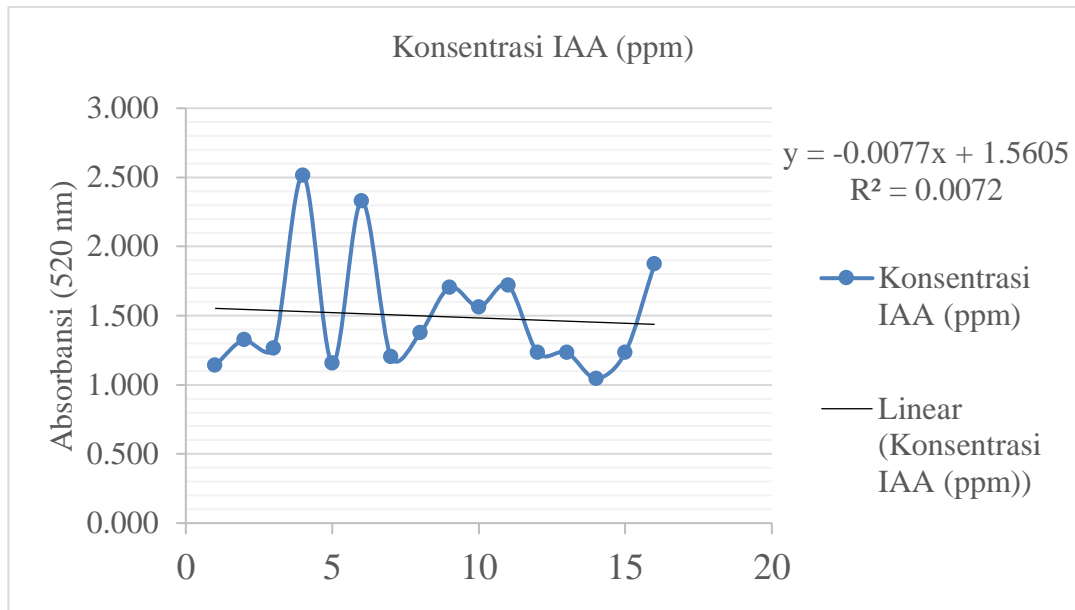
Kode Isolat	Gambar Makroskopis		Genus
	Depan	Bawah	
JCS 1			<i>Penicillium</i>
JCS 2			<i>Tricoderma</i>
JCS 3			<i>Tricoderma</i>
JCS 4			<i>Penicillium</i>
JCS 5			<i>Tricoderma</i>

JCS 6			<i>Penicillium</i>
JCS 7			<i>Fusarium</i>
JCS 8			<i>Aspergillus</i>
JCS 9			<i>Penicillium</i>
JCS 10			<i>Fusarium</i>
JCS 11			<i>Aspergillus</i>

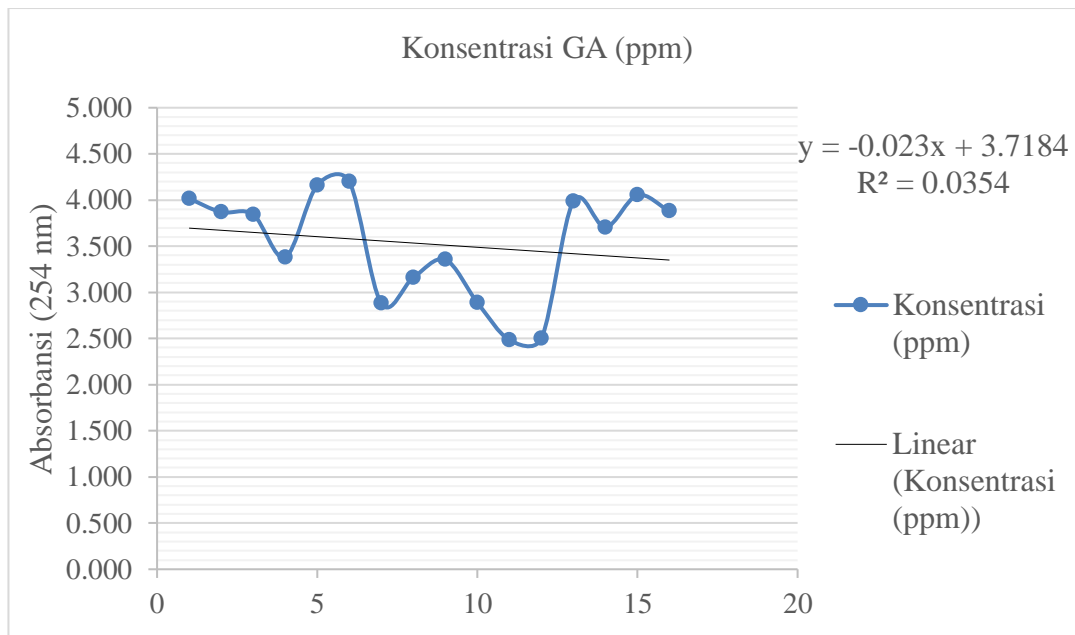
JCS 12			<i>Tricoderma</i>
JCS 13			<i>Tricoderma</i>
JCS 14			<i>Fusarium</i>
JCS 15			<i>x</i>
JCS 16			<i>Gongronella</i>

Lampiran 9. Kurva Standar IAA dan GA3

A. Kurva Standar IAA



B. Kurva Standar GA3



Lampiran 10. Koleksi Isolat Cendawan Rhizosfer Jabon Merah

