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LAMPIRAN

Lampiran 1. Tabel data rata-rata kelembaban selama inkubasi selama 11 hari

No.	Tanggal	RH
1.	7 Februari 2022	71%
2.	8 Februari 2022	80%
3.	9 Februari 2022	74%
4.	10 Februari 2022	79%
5.	11 Februari 2022	72%
6.	12 Februari 2022	77%
7.	13 Februari 2022	77%
8.	14 Februari 2022	77%
9.	15 Februari 2022	79%
10.	16 Februari 2022	80%
11.	17 Februari 2022	76%
	Rerata	76,5%

Lampiran 2. Karakteristik morfologi makroskopis dan mikroskopis cendawan entomopatogen dari lahan berbeda

Isolat	**Makroskopis**				**Mikroskopis**		**Genus**
	Warna dan permukaan	**Bentuk**	**Margin**	**Elevasi**	**Hifa**	**Konidia / spora**	
$SAS_{1(1)}$	Putih kecoklatan dan warna yang sama pada bagian bawah media; seperti tepung	Bulat	Beraturan	Datar	Bercabang; bersepta	Bulat	*Aspergilus*
$HO_{1(1)}$ SAS_3	Putih dengan bagian bawah media berwarna putih-kekuningan; seperti kapas	Bulat	Bergelombang	Menonjol	Bercabang; bersepta	Tidak ada	*Beauveria*
HO_3	Putih, bagian bawah media berwarna putih-kekuningan; seperti kapas	Bulat	Beraturan	Menonjol	Bercabang; bersepta	Tidak ada	*Beauveria*
SAS_6	Putih krem, halo kuning di tengah dan pada bawah media berwarna putih; kasar	Berfilamen	Filiform	Menonjol	Bercabang; bersepta	Ada; ovoid ujung agak lancip	*Clonostachys*
SAS_7	Putih krem, halo kuning di tengah dan bawah media berwarna kuning; kasar	Berfilamen	Filiform	Menonjol	Bercabang; bersepta	Ada; ovoid ujung agak lancip	*Clonostachys*
SAS_8	Putih krem, halo kuning di tengah dan berwarna kuning dan ungu di bawah media; kasar	Berfilamen	Filiform	Menonjol	Bercabang; bersepta	Ada: ovoid ujung agak lancip	*Clonostachys*
HO_5	Putih dengan warna yang sama pada bagian bawah media; halus	Berfilamen	Filiform	Datar	Bercabang; bersepta	Ada; lunata	*Fusarium*
$HAS_{4(1)}$	Putih dengan bagian bawah media berwarna merah muda-kecoklatan; kasar	Berfilamen	Filiform	Menonjol	Bercabang; bersepta	Ada; oblong dan terdapat klamidospora	*Fusarium*
$HAS_{6(1)}$	Putih dengan bagian bawah media berwarna	Berfilamen	Filiform	Menonjol	Bercabang; bersepta	Ada; oblong	*Fusarium*

	merah muda tua; kasar						
$HAS_{6(2)}$	Putih dengan bawah media berwarna putih-kekuningan; halus	Berfilamen	Filiform	Menonjol	Bercabang; bersepta	Ada; lunata/bulan sabit	*Fusarium*
HAS_{11}	Putih dengan bagian bawah media berwarna yang sama; halus	Berfilamen	Filiform	Menonjol	Bercabang; bersepta	Hanya ada klamidospora	*Fusarium*
$HAT_{2(1)}$	Putih dengan bagian bawah media berwarna yang sama; halus	Berfilamen	Filiform	Menonjol	Bercabang; bersepta	Ada; lunata/bulan sabit	*Fusarium*
$HAT_{2(2)}$	Putih keunguan, bawah media berwarna yang sama; halus	Berfilamen	Filiform	Menonjol	Bercabang; bersepta	Ada; lunata/bulan sabit; terdapat klamidospora	*Fusarium*
$SAS_{2(1)}$	Putih, bagian bawah berwarna merah muda-kecoklatan; halus	Berfilamen	Filiform	Menonjol	Bercabang: bersepta	Ada; lunata/bulan sabit	*Fusarium*
$SAS_{4(1)}$	Putih dengan bagian bawah berwarna yang sama; halus	Berfilamen	Filiform	Menonjol	Bercabang; bersepta	Ada; oblong	*Fusarium*
$HO_{1(2)}$ HO_2 HO_6 $HO_{5(2)}$ $HAS_{3(1)}$ $HAS_{4(2)}$ $HAS_{6(3)}$ $SAS_{1(2)}$ $SAS_{4(2)}$ $SAS_{2(2)}$ SAS_9	Hijau, halo putih di pinggir koloni dengan bagian bawah berwarna putih dengan halo kuning di tengah; bertepung	Bulat	Filiform	Rata	Tidak terdapat hifa	Ada; elips	*Metarhizium*
SAT_1	Hijau, halo putih di pinggir koloni, bagian bawah berwarna putih, halo kuning di tengah; bertepung	Bulat	Filiform	Rata	Bercabang; bersepta	Ada; elips	*Metarhizium*
$HAS_{(23)}$	Putih dengan spora hitam dan bawah media berwarna sama; halus	Berfilamen	Filiform	Menonjol	Bercabang; tidak bersepta	Ada; bulat; terdapat sporangium	*Rhizopus*

Lampiran 3. Pengambilan sampel tanah di lahan sawah dan hortikultura

a. Hortikultura Organik

b. Hortikultura Anorganik Sedang

c. Hortikultura Anorganik Tinggi

d. Sawah Organik

e. Sawah Anorganik Sedang

f. Sawah Anorganik Tinggi

Lampiran 4. Isolasi cendawan entomopatogen dari tanah dengan serangga umpan

a. Hortikultura Organik

b. Hortikultura Anorganik Sedang

c. Hortikultura Anorganik Tinggi

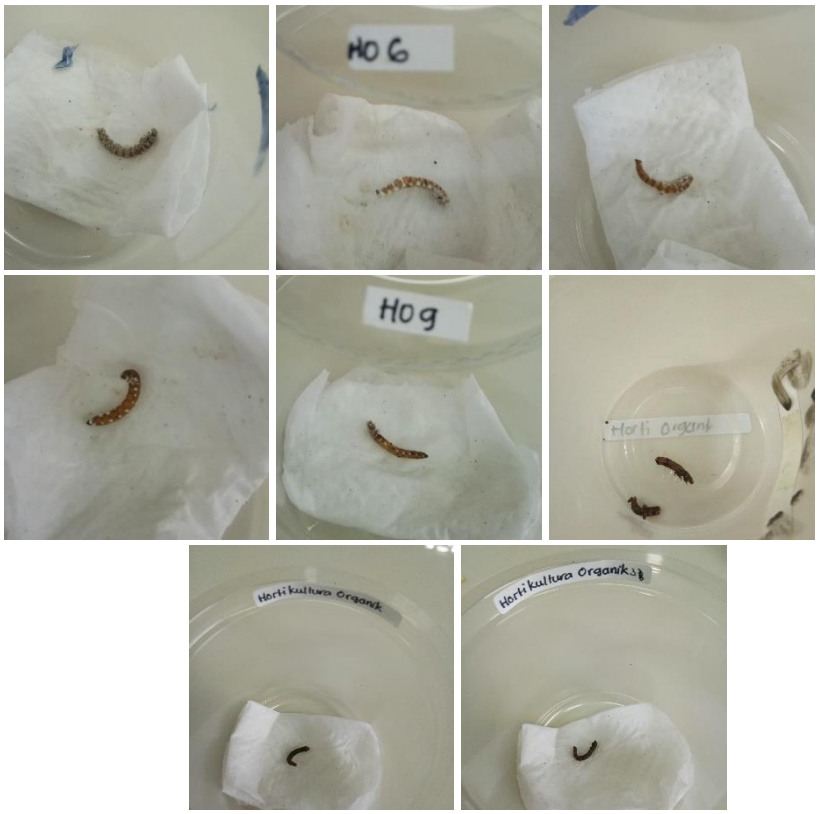
d. Sawah Organik

e. Sawah Anorganik Sedang

f. Sawah Anorganik Tinggi

Lampiran 5. *Tenebrio molitor* yang mati setelah diinkubasi di dalam tanah

a. Tanah Hortikultura Organik



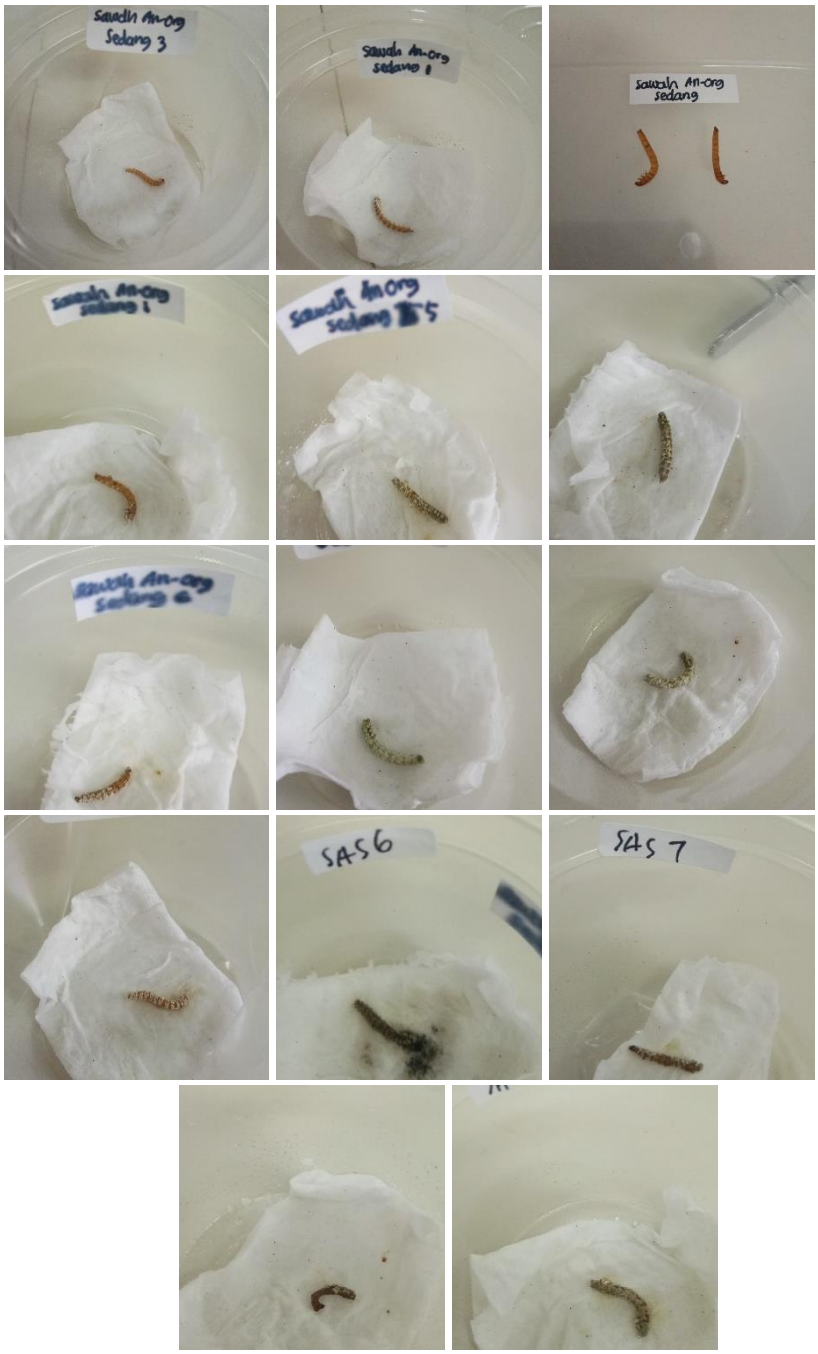
b. Tanah Hortikultura Anorganik Sedang


Horti An Sed
Horti An Sed
Horti An - Sed
Horti An-Sed
Horti An Sed
Horti An-Org Sedang
Horti Anorganik Sedang
Horti Anorganik Sedang 3
Horti Anorganik Sedang 8
Horti Anorganik Sedang 6
Horti Anorganik Sedang 5
Horti Anorganik Sedang 4
Horti An-Organik Sedang
HAS 1
HAS 7

c. Tanah Hortikultura Anorganik Tinggi

d. Tanah Sawah Organik

e. Tanah Sawah Anorganik Sedang



f. Tanah Sawah Anorganik Tinggi