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LAMPIRAN

Lampiran 1. Hasil Pengukuran Konsentrasi IAA

No.	Kode Isolat Bakteri	Abs	K*Abs	Konsentrasi IAA	Sampel Daun
1	PIE1	0,067	0,3339	2,10	Tiang 1
2	P5E1	0,069	0,343	2,15	Pohon 1
3	T2E2.1	0,058	0,2924	1,83	Pancang 1
4	T2E2.2	0,06	0,2997	1,89	Pancang 1
5	T4E1.1	0,044	0,222	1,43	Pancang 2
6	T4E1.2	0,058	0,2899	1,83	Pancang 2
7	T4E2.1.1	0,064	0,3204	2,01	Pancang 2
8	T4E2.1.2	0,073	0,3625	2,27	Pancang 2
9	T4E2.2.1	0,079	0,3931	2,44	Pancang 2
10	T4E2.2.2	0,074	0,3699	2,30	Pancang 2
11	T6E2.1	0,106	0,5322	3,23	Tiang 3
12	T6E2.2	0,082	0,4114	2,53	Tiang 3
13	P1F1	0,134	0,6696	4,04	Tiang 1
14	P5F1.1.1	0,114	0,5676	3,46	Pohon 1
15	P5F1.2	0,125	0,625	3,78	Pohon 1
16	P5F2.1	0,086	0,413	2,65	Pohon 1
17	P5F2.2.1	0,098	0,4895	2,99	Pohon 1
18	P5F2.2.2	0,304	1,5198	8,97	Pohon 1
19	P5F3	0,094	0,4675	2,88	Pohon 1
20	P5F4.1.1	0,31	1,5521	9,14	Pohon 1
21	P5F4.1.2	0,139	0,6964	4,18	Pohon 1
22	P5F4.2.1	0,054	0,271	1,72	Pohon 1
23	P5F4.2.2	0,351	1,756	10,33	Pohon 1
24	P5F5	0,026	0,1288	0,91	Pohon 1
25	T2F1.1	0,071	0,3534	2,21	Pancang 1
26	T2F1.2	0,058	0,2899	1,83	Pancang 1
27	T2F1.3	0,093	0,4657	2,85	Pancang 1
28	T2F2	0,091	0,4572	2,79	Pancang 1
29	T3F1.2	0,088	0,4419	2,70	Tiang 2
30	T3F1.4	0,071	0,3534	2,21	Tiang 2
31	T3F2	0,14	0,6982	4,21	Tiang 2
32	T4F1.1	0,054	0,2698	1,72	Pancang 2
		0,074	0,368	2,30	Pancang 2
		0,126	0,6323	3,81	Pancang 2
		0,069	0,343	2,15	Tiang 3
		0,095	0,4755	2,91	Tiang 3



Lampiran 2. Hasil Pengamatan Kualitatif Uji Fosfat

NO.	Kode Isolat Bakteri	Pengamatan Kualitatif (Hari 7)			Sampel Daun
		Indeks Kelarutan Fosfat	Diamter Colony (Cm)	Diameter Zona B. (Cm)	
1	T2E2.1	1,50	0,8	0,4	Pancang 1
2	T4E1.2	3,00	0,3	0,6	Pancang 2
3	T4E2.2.1	1,67	0,6	0,4	Pancang 2
4	T4E2.2.2	5,83	0,6	2,9	Pancang 2
5	P1F1	2,00	0,5	0,5	Tiang 1
6	P5F2.1	1,40	0,5	0,2	Pohon 1
7	P5F2.2.1	1,17	0,6	0,1	Pohon 1
8	P5F2.2.2	2,50	0,4	0,6	Pohon 1
9	P5F4.1.1	1,57	0,7	0,4	Pohon 1
10	P5F4.1.2	1,42	1,2	0,5	Pohon 1
11	P5F4.2.2	2,00	0,8	0,8	Pohon 1
12	T2F1.2	1,43	0,7	0,3	Pancang 1
13	T2F1.3	1,43	0,7	0,3	Pancang 1
14	T2F2	1,20	0,5	0,1	Pancang 1
15	T3F1.2	1,22	0,9	0,2	Tiang 2
16	T3F1.4	1,08	1,3	0,1	Tiang 2
17	T4F1.1	1,17	1,2	0,2	Pancang 2
18	T4F2	2,50	0,4	0,6	Pancang 2
19	T6F1	1,33	0,3	0,1	Tiang 3

Lampiran 3. Hasil Pengamatan Kuantitatif Uji Fosfat

NO.	Kode Isolat Bakteri	ABS	Konsentrasi (ppm)	Sampel Daun
1	T2E2.1	3,913	27,57	Pancang 1
2	T4E1.2	0,216	1,55	Pancang 2
3	T4E2.2.1	1,218	8,60	Pancang 2
4	T4E2.2.2	1,539	10,86	Pancang 2
5	P1F1	1,67	11,78	Tiang 1
6	P5F2.1	2,834	19,97	Pohon 1
	2.1	2,834	19,97	Pohon 1
	2.2	1,604	11,32	Pohon 1
	1.1	0,956	6,76	Pohon 1
	1.2	1,663	11,73	Pohon 1
	2.2	3,135	22,09	Pohon 1
	.2	2,683	18,91	Pancang 1



13	T2F1.3	3,436	24,21	Pancang 1
14	T2F2	3,913	27,57	Pancang 1
15	T3F1.2	0,691	4,89	Tiang 2
16	T3F1.4	3,913	27,57	Tiang 2
17	T4F1.1	3,068	21,62	Pancang 2
18	T4F2	0,694	4,91	Pancang 2
19	T6F1	2,27	16,00	Tiang 3

Lampiran 4. Pengamatan Konsentrasi Amonium Uji Nitrogen Secara Kuantitatif

NO.	Kode Isolat Bakteri	ABS	Konsnetrasi (ppm)	Sampel Daun
1	PIE1	0,877	3,50	Tiang 1
2	P5E1	0,599	2,75	Pohon 1
3	T2E2.1	0,474	2,42	Pancang 1
4	T4E1.2	0,393	2,20	Pancang 2
5	T4E2.1.2	1,068	4,01	Pancang 2
6	T4E2.2.1	0,371	2,14	Pancang 2
7	T4E2.2.2	0,671	2,95	Pancang 2
8	T6E2.1	0,946	3,69	Tiang 3
9	P1F1	0,426	2,29	Tiang 1
10	P5F2.1	0,674	2,95	Pohon 1
11	P5F2.2.1	0,7	3,02	Pohon 1
12	P5F2.2.2	0,857	3,45	Pohon 1
13	P5F4.1.1	0,773	3,22	Pohon 1
14	P5F4.1.2	0,616	2,80	Pohon 1
15	P5F4.2.2	0,719	3,08	Pohon 1
16	T2F1.2	0,436	2,32	Pancang 1
17	T2F1.3	0,383	2,17	Pancang 1
18	T2F2	0,331	2,03	Pancang 1
19	T3F1.2	0,473	2,42	Tiang 2
20	T3F1.4	0,397	2,21	Tiang 2
	.2	0,384	2,18	Pancang 2
	2	0,583	2,71	Pancang 2
	1	0,317	2,00	Tiang 3



Lampiran 5. 10 Isolat Bakteri potensial Terpilih Untuk Uji Antagonis

No.	Kode Isolat Bakteri	Sampel Daun	KONSENTRASI IAA	KONSENTRASI NITROGEN	KONSENTRASI FOSFAT	Rata-rata
1	T3F1.4	Tiang 2	2,21	2,21	27,57	10,66
2	P5F4.1.1	Pohon 1	9,14	3,22	6,76	6,37
3	P5F4.2.2	Pohon 1	10,33	3,08	22,09	11,83
4	T2F2	Pancang 1	2,79	2,03	27,57	10,8
5	P5F2.2.1	Pohon 1	4,18	2,8	11,73	6,24
6	T2E2.1	Pancang 1	1,83	2,42	27,57	10,61
7	P5F2.2.1	Pohon 1	2,99	3,02	19,97	8,66
8	T2F1.3	Pancang 1	2,85	2,17	24,21	9,74
9	P5F2.2.2	Pohon 1	8,97	3,45	11,32	7,91
10	P5F1.1.2	Pohon 1	10,99	3,37	21,21	11,86

Lampiran 6. Hasil Pengamatan Uji daya Hambat Bakteri Potensial terhadap Jamur Patogen *Neopestalotiopsis*

Pengamatan Uji Antagonis dengan Jamur <i>Neopestalotiopsis</i> (ET2.1)														
NO.	Nama Isolat Bakteri	Hari 1 (1.6 cm)			Hari 3 (4.2 cm)			Hari 5 (8.5 cm)			Hari 7 (9 cm)			KET.
		R2	R1	Daya Hambat (%)	R2	R1	Daya Hambat (%)	R2	R1	Daya Hambat (%)	R2	R1	Daya Hambat (%)	
1	T3F1.4	1,6	1,6	0	3,7	4,2	12	0,2	8,5	98	4,4	9	51	Menghambat
2	P5F4.1.1	1,6	1,6	0	4,1	4,2	2	5,4	8,5	36	5,4	9	40	Menghambat
3	P5F4.2.2	1,6	1,6	0	4,2	4,2	0	5,4	8,5	36	5,4	9	40	Menghambat
4	T2F2	1,2	1,6	25	4	4,2	5	5,4	8,5	36	5,4	9	40	Menghambat
5	P5F2.2.1	1,4	1,6	13	4,2	4,2	0	5,4	8,5	36	5,4	9	40	Menghambat
6	T2E2.1	1,6	1,6	0	4,1	4,2	2	5,5	8,5	35		9		-
7	P5F2.2.1	1,6	1,6	0	4,1	4,2	2	5,5	8,5	35		9		-
8	T2F1.3	1,6	1,6	0	4,2	4,2	0	5,5	8,5	35		9		-
9	P5F2.2.2	1,6	1,6	0	4	4,2	5	5,5	8,5	35	5,4	9	40	Menghambat
10	P5F1.1.2	1,6	1,6	0	4,2	4,2	0	6,5	8,5	24		9		-

Lampiran 7. Hasil Pengamatan Uji daya Hambat Bakteri Potensial terhadap Jamur Patogen *Phyllosticta*

Pengamatan Uji Antagonis dengan Jamur <i>Phyllosticta</i> (EP1.5)														
No.	Kode	Hari 1 (0.7 cm)			Hari 3 (1 cm)			Hari 5 (1.3 cm)			Hari 7 (1.4)			KET.
		Daya Hambat	R2	R1	Daya Hambat	R2	R1	Daya Hambat	R2	R1	Daya Hambat			
		0	0,8	1	20	0,8	1,3	38,46	0,8	1,4	42,86		Menghambat	
		0	0,6	1	40	0,6	1,3	53,85	0,6	1,4	57,14		Menghambat	
		0	1	1	0	1,1	1,3	15,38	1,1	1,4	21,43		Menghambat	
		0	1	1	0	1	1,3	23,08	1	1,4	28,57		Menghambat	
		0	1	1	0	1,3	1,3	0,00	1,4	1,4	0,00		Tidak Menghambat	

6	T2E2.1	0,7	0,7	0	1	1	0	1,1	1,3	15,38	1,1	1,4	21,43	Menghambat
7	P5F2.2.1	0,7	0,7	0	1	1	0	1,3	1,3	0,00	1,4	1,4	0,00	Tidak Menghambat
8	T2F1.3	0,7	0,7	0	0,9	1	10	1	1,3	23,08	1	1,4	28,57	Menghambat
9	P5F2.2.2	0,7	0,7	0	0,7	1	30	1,2	1,3	7,69	1,4	1,4	0,00	Tidak Menghambat
10	P5F1.1.2	0,7	0,7	0	0,6	1	40	1,3	1,3	0,00	1,3	1,4	7,14	Tidak Menghambat

Lampiran 8. Hasil Pengamatan Uji daya Hambat Bakteri Potensial terhadap Jamur Patogen

No.	Kode Isolat	Pengamatan Uji Antagonis dengan Jamur <i>Fusarium oxysporum</i> (F78)												KET.
		Hari 1 (1.3 cm)			Hari 3 (2.8 cm)			Hari 5 (4.5 cm)			Hari 7 (5.7 cm)			
		R2	R1	Daya Hambat	R2	R1	Daya Hambat	R2	R1	Daya Hambat	R2	R1	Daya Hambat	
1	T3F1.4	1,2	1,3	7,7	2,3	2,8	17,86	3,4	4,5	24,44	4,2	5,7	26,316	Menghambat
2	P5F4.1.1	1,3	1,3	0,0	2,3	2,8	17,86	3,9	4,5	13,33	5,7	5,7	0,000	tidak Menghambat
3	P5F4.2.2	1,3	1,3	0,0	2,6	2,8	7,14	3,9	4,5	13,33	4,4	5,7	22,807	Menghambat
4	T2F2	1,1	1,3	15,4	2,5	2,8	10,71	3,9	4,5	13,33	5,7	5,7	0,000	Tidak Menghambat
5	P5F2.2.1	1,3	1,3	0,0	2,6	2,8	7,14	4,1	4,5	8,89	5,2	5,7	8,772	Menghambat
6	T2E2.1	1,1	1,3	15,4	2,3	2,8	17,86	3,9	4,5	13,33	4,9	5,7	14,035	Menghambat
7	P5F2.2.1	1,1	1,3	15,4	2,3	2,8	17,86	3,6	4,5	20,00	4,7	5,7	17,544	Menghambat
8	T2F1.3	1,1	1,3	15,4	2,3	2,8	17,86	3,6	4,5	20,00	4,4	5,7	22,807	Menghambat
9	P5F2.2.2	1,2	1,3	7,7	2,3	2,8	17,86	3,8	4,5	15,56	4,9	5,7	14,035	Menghambat
10	P5F1.1.2	1,1	1,3	15,4	2,3	2,8	17,86	3,5	4,5	22,22	4,4	5,7	22,807	Menghambat



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