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LAMPIRAN

Tabel Lampiran 1. Diameter Zona Bening dan Koloni Pada Media ZnO

Kode Isolat	ZnO							
	Ulangan 1		Ulangan 2		Ulangan 3		Rata-rata	
	Zone	Koloni	Zone	Koloni	Zone	Koloni	Zone	Koloni
Bn.1.1	0,30	0,20	0,40	0,30	0,20	0,10	0,30	0,20
Bn.1.2	-	-	-	-	-	-	-	-
Bn.1.3	-	-	-	-	-	-	-	-
Bn.1.4	1,30	0,60	1,40	0,40	1,60	0,70	1,43	0,57
Bn.1.5	0,50	0,30	0,60	0,40	0,50	0,30	0,53	0,33
Bn.1.6	0,20	0,10	0,30	0,20	0,30	0,20	0,27	0,17
Bn.1.7	1,50	0,70	1,20	0,60	1,50	0,50	1,40	0,53
Bn.1.8	0,40	0,30	0,50	0,30	0,40	0,20	0,43	0,27
Bn.1.9	1,90	0,50	1,60	0,50	1,40	0,50	1,63	0,50
Bn.1.10	-	-	-	-	-	-	-	-
Bn.1.11	1,50	0,40	1,30	0,40	1,70	0,30	1,50	0,37
Btg.1.1	0,40	0,40	0,00	0,00	0,50	0,30	0,30	0,23
Btg.1.2	1,50	0,40	1,70	0,40	1,90	0,30	1,70	0,37
Btg.1.3	-	-	-	-	-	-	-	-
Btg.1.4	0,30	0,20	0,50	0,40	0,40	0,20	0,40	0,27
Btg.1.5	1,40	0,50	1,70	0,60	1,30	0,50	1,47	0,53
Btg.1.6	1,40	0,70	1,70	0,80	1,50	0,80	1,53	0,77
Btg.1.7	0,70	0,50	0,80	0,50	0,80	0,30	0,77	0,43
Btg.1.8	1,30	0,90	1,00	0,60	1,20	0,80	1,17	0,77
Btg.1.9	-	-	-	-	-	-	-	-
Btg.1.10	1,70	0,40	1,50	0,70	1,70	0,50	1,63	0,53
Btg.1.11	1,60	0,80	0,80	0,50	0,80	0,40	1,07	0,57
Btg.2.1	2,00	0,70	2,50	0,90	2,30	0,70	2,27	0,77
Btg.2.2	1,50	0,50	1,40	0,30	1,50	0,30	1,47	0,37
Btg.2.3	2,10	0,50	2,20	0,60	1,90	0,50	2,07	0,53
Btg.2.14	1,30	0,40	1,30	0,70	1,70	0,70	1,43	0,60
Btg.2.5	1,20	0,40	1,40	0,40	1,50	0,50	1,37	0,43
Btg.2.6	1,20	0,40	1,40	0,50	1,10	0,60	1,23	0,50

Tabel Lampiran 2. Diameter Zona Bening dan Koloni Pada Media ZnCO₃

Kode Isolat	ZnCO ₃						Rata-rata	
	Ulangan 1		Ulangan 2		Ulangan 3		Zone	Koloni
	Zone	Koloni	Zone	Koloni	Zone	Koloni		
Bn.1.1	-	-	-	-	-	-	-	-
Bn.1.2	-	-	-	-	-	-	-	-
Bn.1.3	-	-	-	-	-	-	-	-
Bn.1.4	2,00	0,60	1,70	0,40	1,90	0,70	1,87	0,57
Bn.1.5	1,20	0,40	1,20	0,50	1,00	0,40	1,13	0,43
Bn.1.6	0,40	0,30	0,30	0,20	0,20	0,10	0,30	0,20
Bn.1.7	1,40	0,70	1,20	0,50	1,60	0,70	1,43	0,63
Bn.1.8	1,60	0,40	1,40	0,50	1,70	0,30	1,57	0,40
Bn.1.9	1,60	0,50	1,30	0,50	1,30	0,50	1,40	0,50
Bn.1.10	-	-	-	-	-	-	-	-
Bn.1.11	1,70	0,40	1,80	0,40	1,60	0,30	1,70	0,37
Btg.1.1	-	-	-	-	-	-	-	-
Btg.1.2	1,60	0,50	1,60	0,50	1,60	0,60	1,60	0,53
Btg.1.3	1,40	0,40	1,30	0,40	1,00	0,40	1,23	0,40
Btg.1.4	0,80	0,40	0,40	0,20	0,50	0,30	0,57	0,30
Btg.1.5	1,60	0,60	1,50	0,50	1,3	0,4	1,47	0,50
Btg.1.6	1,50	0,80	1,70	0,70	1,40	0,50	1,53	0,67
Btg.1.7	1,20	0,30	0,90	0,50	1,40	0,30	1,17	0,37
Btg.1.8	1,20	0,80	1,50	0,50	1,20	0,60	1,30	0,63
Btg.1.9	-	-	-	-	-	-	-	-
Btg.1.10	1,40	0,40	1,50	0,30	1,40	0,30	1,43	0,33
Btg.1.11	1,40	0,40	0,90	0,40	1,00	0,30	1,10	0,37
Btg.2.1	2,00	0,70	1,90	0,50	1,70	0,60	1,87	0,60
Btg.2.2	1,60	0,50	1,40	0,40	1,50	0,50	1,50	0,47
Btg.2.3	2,60	0,60	2,10	0,70	2,50	0,60	2,40	0,63
Btg.2.14	2,20	0,70	2,30	0,70	2,00	0,60	2,17	0,67
Btg.2.5	1,30	0,60	1,20	0,50	1,30	0,50	1,27	0,53
Btg.2.6	1,30	0,40	1,10	0,50	1,30	0,50	1,23	0,47

Tabel Lampiran 4. Konsentrasi Pelarutan Isolat Bakteri Pada Hari ke 1

Isolat	ZnO				Rata-rata	ZnCO ₃				Rata-rata	Zn ₃ (PO ₄) ₂				Rata-rata
	UL. 1	UL. 2	UL. 3	UL. 4		UL. 1	UL. 2	UL. 3	UL. 4		UL. 1	UL. 2	UL. 3	UL. 4	
Bn.1.7	0,13	0,12	0,15	0,16	0,14	0,01	0,03	0,02	0,02	0,02	0,01	0,02	0,03	0,02	0,02
Btg.1.6	0,16	0,18	0,20	0,18	0,18	0,29	0,32	0,35	0,28	0,31	0,13	0,20	0,17	0,14	0,16
Btg.2.3	1,09	1,18	0,95	1,10	1,08	0,68	0,60	0,65	0,63	0,64	0,65	0,73	0,84	0,78	0,75
Jpt.3.7	0,53	0,76	0,70	0,93	0,73	0,47	0,50	0,53	0,56	0,52	0,49	0,61	0,52	0,58	0,55
Bn.1.1	0,16	0,20	0,14	0,22	0,18	0,37	0,31	0,34	0,30	0,33	0,56	0,52	0,49	0,47	0,51
Btg.1.5	0,12	0,15	0,15	0,14	0,14	0,08	0,04	0,06	0,10	0,07	0,11	0,12	0,17	0,16	0,14
Kontrol	0,03	0,02	0,04	0,03	0,03	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01	0,01

Tabel Lampiran 5. Konsentrasi Pelarutan Isolat Bakteri Pada Hari ke 3

Isolat	ZnO				Rata-rata	ZnCO ₃				Rata-rata	Zn ₃ (PO ₄) ₂				Rata-rata
	UL. 1	UL. 2	UL. 3	UL. 4		UL. 1	UL. 2	UL. 3	UL. 4		UL. 1	UL. 2	UL. 3	UL. 4	
Bn.1.7	0,88	0,81	0,98	0,89	0,89	0,30	0,33	0,30	0,28	0,30	0,57	0,53	0,50	0,60	0,55
Btg.1.6	1,14	1,10	1,18	1,22	1,16	0,50	0,58	0,60	0,52	0,55	0,56	0,66	0,55	0,62	0,60
Btg.2.3	3,08	3,16	3,28	3,20	3,18	0,75	0,68	0,66	0,70	0,70	0,82	0,71	0,78	0,89	0,80
Jpt.3.7	1,60	1,71	1,85	1,76	1,73	0,69	0,67	0,60	0,62	0,65	0,78	0,83	0,74	0,81	0,79
Bn.1.1	1,02	1,26	1,18	1,10	1,14	0,63	0,55	0,56	0,60	0,59	0,74	0,69	0,83	0,78	0,76
Btg.1.5	1,00	1,02	0,94	1,12	1,02	0,36	0,34	0,39	0,41	0,38	0,58	0,67	0,52	0,59	0,59
Kontrol	0,90	0,82	0,73	0,95	0,85	0,22	0,24	0,29	0,25	0,25	0,56	0,42	0,46	0,48	0,48

Tabel Lampiran 6. Konsentrasi Pelarutan Isolat Bakteri Pada Hari ke 5

Isolat	ZnO Hari Ke 5				Rata-rata	ZnCO ₃				Rata-rata	Zn ₃ (PO ₄) ₂				Rata-rata
	UL. 1	UL. 2	UL. 3	UL. 4		UL. 1	UL. 2	UL. 3	UL. 4		UL. 1	UL. 2	UL. 3	UL. 4	
Bn.1.7	1,37	1,30	1,24	1,17	1,27	0,40	0,36	0,37	0,39	0,38	0,71	0,79	0,72	0,78	0,75
Btg.1.6	1,40	1,60	1,65	1,35	1,50	0,59	0,73	0,72	0,66	0,68	0,76	0,82	0,66	0,88	0,78
Btg.2.3	4,22	4,69	4,38	4,57	4,47	1,10	1,17	1,19	1,14	1,15	0,97	1,01	1,03	1,00	1,00
Jpt.3.7	1,93	2,13	2,06	2,00	2,03	1,02	1,05	1,13	1,06	1,07	0,82	0,85	0,88	0,81	0,84
Bn.1.1	1,31	1,55	1,34	1,42	1,41	0,71	0,66	0,75	0,82	0,74	0,82	0,78	0,85	0,87	0,83
Btg.1.5	1,17	1,24	1,32	1,39	1,28	0,40	0,50	0,48	0,42	0,45	0,79	0,74	0,77	0,82	0,78
Kontrol	1,22	1,27	1,31	1,27	1,27	0,24	0,27	0,32	0,29	0,28	0,71	0,69	0,74	0,67	0,70

Tabel Lampiran 7. Konsentrasi Pelarutan Isolat Bakteri Pada Hari ke 10

Isolat	ZnO				Rata-rata	ZnCO ₃				Rata-rata	Zn ₃ (PO ₄) ₂				Rata-rata
	UL. 1	UL. 2	UL. 3	UL. 4		UL. 1	UL. 2	UL. 3	UL. 4		UL. 1	UL. 2	UL. 3	UL. 4	
Bn.1.7	1,07	1,11	1,03	1,15	1,09	0,22	0,30	0,24	0,28	0,26	0,59	0,61	0,62	0,65	0,62
Btg.1.6	1,45	1,56	1,49	1,48	1,50	0,56	0,56	0,56	0,56	0,56	0,65	0,74	0,70	0,68	0,69
Btg.2.3	4,06	3,98	3,60	3,76	3,85	1,12	1,15	1,09	1,17	1,13	0,86	0,92	0,83	0,91	0,88
Jpt.3.7	1,48	1,20	1,18	1,26	1,28	0,97	1,01	1,01	1,00	1,00	0,71	0,73	0,72	0,76	0,73
Bn.1.1	1,33	1,48	1,24	1,39	1,36	0,65	0,67	0,73	0,69	0,69	0,69	0,66	0,74	0,71	0,70
Btg.1.5	1,17	1,20	0,94	1,13	1,11	0,44	0,47	0,44	0,45	0,45	0,64	0,70	0,67	0,64	0,66
Kontrol	0,91	1,12	1,00	1,01	1,01	0,31	0,29	0,28	0,23	0,28	0,61	0,64	0,55	0,61	0,60

Tabel Lampiran 8a. Rata-Rata Tinggi Tanaman Jagung 60 HST

Perlakuan	Kelompok						Rata-rata	
	I	II	III	IV	V	VI		
V ₁	P ₀	212	206	213	215	205	211	210,33
	P ₁	214	210	219	212	225	226	217,67
	P ₂	237	234	242	238	246	240	239,50
	P ₃	255	247	254	248	247	251	250,33
	P ₄	233	245	248	229	233	241	238,17
	P ₅	215	217	226	222	210	214	217,33
	P ₆	208	212	215	219	218	209	213,50
V ₂	P ₀	221	225	217	220	215	226	220,67
	P ₁	209	229	232	230	225	237	227,00
	P ₂	244	250	256	249	248	255	250,33
	P ₃	263	259	254	264	255	257	258,67
	P ₄	225	249	254	235	240	252	242,50
	P ₅	220	229	252	242	231	227	233,50
	P ₆	222	227	228	224	225	232	226,33
V ₃	P ₀	224	213	235	225	228	218	223,83
	P ₁	234	219	241	227	233	229	230,50
	P ₂	263	268	240	258	259	253	256,83
	P ₃	264	276	250	259	270	256	262,50
	P ₄	245	255	250	248	251	249	249,67
	P ₅	237	259	245	248	251	243	247,17
	P ₆	226	251	248	239	241	244	241,50

Tabel lampiran 8b. Sidik Ragam Tinggi Tanaman Jagung 60 HST

SK	DB	JK	KT	F Hitung	Probabilitas
Kelompok	5	570,0397	114,0079	2,39*	0,0430
Dosis Zn	2	6766,7778	3383,3889	70,96**	0,0000
Isolat Bakteri	6	21482,9841	3580,4974	75,10**	0,0000
Dosis Zn x Isolat	12	1182,4444	98,5370	2,07*	0,0258
Error	100	4767,7937	47,6779		
Total	125	34770,0397			

KK = 4,7

Tabel Lampiran 9a. Rata-Rata Jumlah Daun Tanaman Jagung 60 HST

Perlakuan	Kelompok						Rata-rata	
	I	II	III	IV	V	VI		
V ₁	P ₀	12	11	11	11	11	11	11,17
	P ₁	12	11	12	12	12	12	11,83
	P ₂	13	13	14	13	14	13	13,33
	P ₃	14	12	13	14	14	14	13,50
	P ₄	13	13	13	13	12	14	13,00
	P ₅	13	12	13	13	12	12	12,50
	P ₆	12	12	13	13	13	11	12,33
V ₂	P ₀	12	11	11	11	11	12	11,33
	P ₁	12	12	13	13	13	13	12,67
	P ₂	13	14	14	13	13	14	13,50
	P ₃	14	14	13	14	14	14	13,83
	P ₄	13	13	14	13	13	14	13,33
	P ₅	13	13	14	14	13	12	13,17
	P ₆	13	13	12	12	12	13	12,50
V ₃	P ₀	12	12	13	13	13	11	12,33
	P ₁	13	12	13	14	13	13	13,00
	P ₂	14	14	13	14	14	14	13,83
	P ₃	14	14	14	14	14	14	14,00
	P ₄	13	14	14	13	14	14	13,67
	P ₅	13	14	13	14	13	14	13,50
	P ₆	12	13	13	14	14	13	13,17

Tabel lampiran 9b. Sidik Ragam Jumlah Daun Tanaman Jagung 60 HST

SK	DB	JK	KT	F Hitung	Probabilitas
Kelompok	5	1,7857	0,3571	1,05 ^{tn}	0,3934
Dosis Zn	2	14,6190	7,3095	21,47 ^{**}	0,0000
Isolat Bakteri	6	59,0794	9,8466	28,92 ^{**}	0,0000
Dosis Zn x Isolat	12	2,8254	0,2354	0,69 ^{tn}	0,7561
Error	100	34,0476	0,3405		
Total	125	112,357			

KK = 1,9

Tabel Lampiran 10a. Rata-Rata Tinggi Letak Tongkol Tanaman Jagung 60 HST

Perlakuan	Kelompok						Rata-rata	
	I	II	III	IV	V	VI		
V ₁	P ₀	109	102	105	108	103	105	105,33
	P ₁	111	107	109	110	112	114	110,50
	P ₂	116	115	120	119	122	118	118,33
	P ₃	125	121	126	121	123	125	123,50
	P ₄	115	116	115	111	117	118	115,33
	P ₅	110	109	112	112	109	111	110,50
	P ₆	105	106	108	109	110	106	107,33
V ₂	P ₀	110	109	105	108	107	109	108,00
	P ₁	109	110	115	114	115	116	113,17
	P ₂	122	122	123	125	125	127	124,00
	P ₃	133	130	129	131	126	128	129,50
	P ₄	115	124	125	118	122	126	121,67
	P ₅	113	116	120	117	115	111	115,33
	P ₆	109	108	113	108	110	113	110,17
V ₃	P ₀	112	107	117	112	112	108	111,33
	P ₁	107	113	116	117	115	118	114,33
	P ₂	132	130	122	125	127	126	127,00
	P ₃	132	136	128	130	133	130	131,50
	P ₄	127	126	125	127	129	125	126,50
	P ₅	118	119	131	127	125	121	123,50
	P ₆	115	122	121	118	122	114	118,67

Tabel lampiran 10b. Sidik Ragam Tinggi Letak Tongkol Tanaman Jagung 60 HST

SK	DB	JK	KT	F Hitung	Probabilitas
Kelompok	5	62,0714	12,4143	1,47 ^{tn}	0,2073
Dosis Pupuk	2	1647,4286	823,7143	97,35 ^{**}	0,0000
Isolat Bakteri	6	5379,0794	896,5132	105,96 ^{**}	0,0000
Dosis Zn x Isolat	12	259,6825	21,6402	2,56 [*]	0,0054
Error	100	846,0952	8,4610		
Total	125	8194,3571			

KK = 4,2

Tabel Lampiran 11a. Rata-Rata Berat Segar Tanaman Jagung 60 HST

Perlakuan	Kelompok						Rata-rata	
	I	II	III	IV	V	VI		
V ₁	P ₀	345	320	355	362	325	332	339,83
	P ₁	323	322	332	349	370	397	384,83
	P ₂	390	378	410	396	429	425	404,67
	P ₃	455	424	455	433	423	458	441,33
	P ₄	408	435	432	399	411	420	417,50
	P ₅	365	395	405	397	351	380	382,17
	P ₆	330	352	374	361	365	353	355,83
V ₂	P ₀	366	381	305	345	339	370	351,00
	P ₁	301	370	380	367	361	378	359,50
	P ₂	416	460	472	439	432	475	449,00
	P ₃	462	470	468	482	452	470	467,33
	P ₄	371	455	465	400	421	465	429,50
	P ₅	362	379	460	407	399	390	399,50
	P ₆	368	380	382	365	372	395	377,00
V ₃	P ₀	363	335	360	365	368	325	352,67
	P ₁	389	302	412	350	365	387	367,50
	P ₂	474	501	413	464	469	458	463,17
	P ₃	478	505	462	471	495	481	482,00
	P ₄	398	465	459	425	467	429	440,50
	P ₅	390	473	392	417	430	408	418,33
	P ₆	368	460	412	410	414	415	413,17

Tabel lampiran 11b. Sidik Ragam Berat Segar Tanaman Jagung 60 HST

SK	DB	JK	KT	F Hitung	Probabilitas
Kelompok	5	8172,0635	1634,4127	2,83 [*]	0,0198
Dosis Pupuk	2	26390,1111	13195,0556	22,82 ^{**}	0,0000
Isolat Bakteri	6	199931,3016	33321,8836	57,64 ^{**}	0,0000
Dosis Zn x Isolat	12	7113,8889	592,8241	1,03 ^{tn}	0,4319
Error	100	57812,6032	578,1260		
Total	125	299419,9683			

KK = 2,0

Tabel Lampiran 12a. Rata-Rata Berat Kering Tanaman Jagung 60 HST

Perlakuan	Kelompok						Rata-rata	
	I	II	III	IV	V	VI		
V ₁	P ₀	30	28	31	32	28	32	30,17
	P ₁	30	29	30	32	35	38	32,33
	P ₂	44	42	46	45	51	53	46,83
	P ₃	58	48	57	53	47	58	53,50
	P ₄	43	48	46	41	43	46	44,50
	P ₅	36	41	42	40	32	40	38,50
	P ₆	29	33	38	37	38	33	34,67
V ₂	P ₀	32	37	31	28	31	29	31,33
	P ₁	29	36	39	34	33	36	34,50
	P ₂	42	59	62	46	45	68	53,67
	P ₃	59	61	60	63	55	64	60,33
	P ₄	35	54	59	41	45	61	49,17
	P ₅	33	38	57	43	38	40	41,50
	P ₆	33	39	40	33	35	40	36,67
V ₃	P ₀	33	28	34	37	38	27	32,83
	P ₁	40	30	38	34	37	39	36,33
	P ₂	60	68	41	59	60	56	57,33
	P ₃	61	70	58	60	66	63	63,00
	P ₄	38	59	55	51	58	47	51,33
	P ₅	37	62	36	49	44	39	44,50
	P ₆	34	56	37	36	37	37	42,33

Tabel lampiran 12b. Sidik Ragam Berat Kering Tanaman Jagung 60 HST

SK	DB	JK	KT	F Hitung	Probabilitas
Kelompok	5	526,2619	105,2524	3,08*	0,0125
Dosis Pupuk	2	853,9048	426,9524	12,51**	0,0000
Isolat Bakteri	6	11163,8254	1860,6376	54,51**	0,0000
Dosis Zn x Isolat	12	169,6508	14,1376	0,41 ^{tn}	0,9549
Error	100	3413,5714	34,1357		
Total	125	16127,2143			

KK = 1,9

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Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession
<input checked="" type="checkbox"/> Citrobacter freundii strain BHS1 16S ribosomal RNA gene, partial sequence	Citrobacter...	996	996	100%	0.0	99.45%	801	KT027769.1
<input checked="" type="checkbox"/> Citrobacter freundii strain KSSN 2.2 16S ribosomal RNA gene, partial sequence	Citrobacter...	996	996	99%	0.0	99.63%	1403	KM117229.1
<input checked="" type="checkbox"/> Bacterium strain SDB5 16S ribosomal RNA gene, partial sequence	bacterium	996	996	100%	0.0	99.45%	1442	OK053817.1
<input checked="" type="checkbox"/> Citrobacter freundii strain Colony306 chromosome	Citrobacter...	996	7918	100%	0.0	99.45%	5070621	CP069787.1
<input checked="" type="checkbox"/> Citrobacter cronae strain Colony233 chromosome	Citrobacter...	996	7921	100%	0.0	99.45%	5070623	CP069770.1
<input checked="" type="checkbox"/> Citrobacter freundii strain Colony431 chromosome	Citrobacter...	996	7910	100%	0.0	99.45%	5098587	CP069777.1
<input checked="" type="checkbox"/> Citrobacter freundii strain A8 16S ribosomal RNA gene, partial sequence	Citrobacter...	994	994	99%	0.0	99.45%	873	OP019736.1
<input checked="" type="checkbox"/> Citrobacter freundii strain XW722 16S ribosomal RNA gene, partial sequence	Citrobacter...	994	994	99%	0.0	99.45%	1414	EU545403.1
<input checked="" type="checkbox"/> Citrobacter freundii strain NA-3 16S ribosomal RNA gene, partial sequence	Citrobacter...	990	990	100%	0.0	99.27%	1371	MN882629.1
<input checked="" type="checkbox"/> Citrobacter cronae strain Tue2_1 16S ribosomal RNA, partial sequence	Citrobacter...	990	990	100%	0.0	99.27%	1462	NR_170426.1

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Gambar Lampiran 1. Hasil Blast Isolat Btg.1.5

Descriptions Graphic Summary Alignments Taxonomy

Sequences producing significant alignments Download Select columns Show 100 ?

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Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession
<input checked="" type="checkbox"/> Klebsiella varicola strain 145-a blue 16S ribosomal RNA gene, partial sequence	Klebsiella v...	316	316	95%	2e-81	82.10%	673	MN208233.1
<input checked="" type="checkbox"/> Klebsiella pneumoniae strain Sihong_839_2 16S ribosomal RNA gene, partial sequence	Klebsiella p...	311	311	95%	8e-80	81.84%	660	MN314312.1
<input checked="" type="checkbox"/> Klebsiella pneumoniae subsp. rhinoscleromatis strain SISX20 16S ribosomal RNA gene, partial sequence	Klebsiella p...	307	307	95%	1e-78	81.63%	1420	MK780048.1
<input checked="" type="checkbox"/> Klebsiella pneumoniae strain kpn10 16S ribosomal RNA gene, partial sequence	Klebsiella p...	307	307	95%	1e-78	81.63%	1468	MH938261.1
<input checked="" type="checkbox"/> Klebsiella pneumoniae gene for 16S ribosomal RNA, partial sequence, strain: K125161.1	Klebsiella p...	307	307	95%	1e-78	81.63%	820	LC125161.1
<input checked="" type="checkbox"/> Uncultured Klebsiella sp. clone S5_G08 16S ribosomal RNA gene, partial sequence	uncultured ...	307	307	95%	1e-78	81.63%	824	KP181679.1
<input checked="" type="checkbox"/> Uncultured Klebsiella sp. clone S5_A05 16S ribosomal RNA gene, partial sequence	uncultured ...	307	307	95%	1e-78	81.63%	818	KP181651.1
<input checked="" type="checkbox"/> Klebsiella quasipneumoniae subsp. quasipneumoniae strain E11 16S ribosomal RNA gene, partial sequence	Klebsiella q...	307	307	95%	1e-78	81.63%	1418	OQ405550.1
<input checked="" type="checkbox"/> Klebsiella pneumoniae strain M1 16S ribosomal RNA gene, partial sequence	Klebsiella p...	307	307	95%	1e-78	81.63%	1411	KP178218.1

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Gambar Lampiran 2. Hasil Blast Isolat Bn.1.7

Descriptions										Graphic Summary	Alignments	Taxonomy	
Sequences producing significant alignments										Download	Select columns	Show 100	?
<input checked="" type="checkbox"/> select all 100 sequences selected										GenBank	Graphics	Distance tree of results	MSA Viewer
	Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession				
<input checked="" type="checkbox"/>	Bacillus sp. MRIK1 16S ribosomal RNA gene, partial sequence	Bacillus sp. ...	1698	1698	98%	0.0	93.88%	1450	KT026504.1				
<input checked="" type="checkbox"/>	Bacillus thuringiensis partial 16S rRNA gene, isolate BD17-R18	Bacillus thur...	1698	1698	98%	0.0	93.87%	1230	HF584801.1				
<input checked="" type="checkbox"/>	Bacillus thuringiensis strain VKK-BB-2 16S ribosomal RNA gene, partial sequence	Bacillus thur...	1696	1696	98%	0.0	93.88%	1473	KT714045.1				
<input checked="" type="checkbox"/>	Bacillus thuringiensis strain NBAIR_Bt126 16S ribosomal RNA gene, partial sequ...	Bacillus thur...	1696	1696	98%	0.0	93.88%	1492	QQ948333.1				
<input checked="" type="checkbox"/>	Bacillus sp. ZTE1 16S ribosomal RNA gene, partial sequence	Bacillus sp. ...	1696	1696	98%	0.0	93.87%	1421	KF048933.1				
<input checked="" type="checkbox"/>	Bacillus sp. (in: Bacteria) strain MAIDO-R10b-16 16S ribosomal RNA gene, parti...	Bacillus sp. ...	1694	1694	98%	0.0	93.79%	1423	MW711441.1				
<input checked="" type="checkbox"/>	Bacillus proteolyticus strain 1372 16S ribosomal RNA gene, partial sequence	Bacillus prot...	1692	1692	98%	0.0	93.79%	1444	MT573794.1				
<input checked="" type="checkbox"/>	Bacillus sp. (in: Bacteria) strain ADD3 16S ribosomal RNA gene, partial sequence	Bacillus sp. ...	1692	1692	98%	0.0	93.79%	1461	MK629257.1				
<input checked="" type="checkbox"/>	Bacillus wiedmannii strain J5M5LARS 16S ribosomal RNA gene, partial sequence	Bacillus wie...	1692	1692	98%	0.0	93.79%	1314	MT378539.1				

Gambar Lampiran 3. Hasil Blast Isolat Btg.2.3

Descriptions										Graphic Summary	Alignments	Taxonomy	
Sequences producing significant alignments										Download	Select columns	Show 100	?
<input checked="" type="checkbox"/> select all 100 sequences selected										GenBank	Graphics	Distance tree of results	MSA Viewer
	Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession				
<input checked="" type="checkbox"/>	Serratia sp. (in: enterobacteria) strain EB340 16S ribosomal RNA gene, parti...	Serratia sp. ...	2021	2021	100%	0.0	98.94%	1403	MH127791.1				
<input checked="" type="checkbox"/>	Serratia nematodiphila strain XM7 16S ribosomal RNA gene, partial sequence	Serratia ne...	2021	2021	100%	0.0	98.94%	1443	MT023384.1				
<input checked="" type="checkbox"/>	Serratia marcescens strain cdfa537 16S ribosomal RNA gene, partial sequence	Serratia ma...	2021	2021	100%	0.0	98.94%	1406	MN813479.1				
<input checked="" type="checkbox"/>	Serratia sp. (in: enterobacteria) strain NJAU-N19bac 16S ribosomal RNA gen...	Serratia sp. ...	2021	2021	100%	0.0	98.94%	1439	KT825915.1				
<input checked="" type="checkbox"/>	Serratia marcescens strain HD01 16S ribosomal RNA gene, partial sequence	Serratia ma...	2021	2021	100%	0.0	98.94%	1418	KY434106.1				
<input checked="" type="checkbox"/>	Serratia sp. (in: enterobacteria) strain p2 16S ribosomal RNA gene, partial se...	Serratia sp. ...	2021	2021	100%	0.0	98.94%	1412	KX783589.1				
<input checked="" type="checkbox"/>	Serratia nematodiphila strain PK50 16S ribosomal RNA gene, partial sequence	Serratia ne...	2021	2021	100%	0.0	98.94%	1407	KX138526.1				
<input checked="" type="checkbox"/>	Bacterium strain RLF4 16S ribosomal RNA gene, partial sequence	bacterium	2021	2021	100%	0.0	98.94%	1410	KX789500.1				
<input checked="" type="checkbox"/>	Serratia sp. BZ-L 16S ribosomal RNA gene, partial sequence	Serratia sp. ...	2021	2021	100%	0.0	98.94%	1441	KT001067.1				

Gambar Lampiran 4. Hasil Blast Isolat Bn.1.11

Descriptions										Graphic Summary	Alignments	Taxonomy		
Sequences producing significant alignments										Download	Select columns	Show	100	?
<input checked="" type="checkbox"/> select all	100 sequences selected									GenBank	Graphics	Distance tree of results	MSA Viewer	
	Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession					
<input checked="" type="checkbox"/>	Serratia marcescens strain NPK2_2_20 16S ribosomal RNA gene, partial seq...	Serratia ma...	1683	1683	98%	0.0	95.18%	1174	MN691675.1					
<input checked="" type="checkbox"/>	Serratia marcescens strain NPK2_1_25 16S ribosomal RNA gene, partial seq...	Serratia ma...	1683	1683	98%	0.0	95.03%	1115	MN691634.1					
<input checked="" type="checkbox"/>	Serratia marcescens subsp. sakuensis strain WT17 16S ribosomal RNA gene...	Serratia ma...	1679	1679	98%	0.0	94.94%	1407	MN733233.1					
<input checked="" type="checkbox"/>	Serratia marcescens strain NPK2_1_20 16S ribosomal RNA gene, partial seq...	Serratia ma...	1679	1679	100%	0.0	94.71%	1139	MN691630.1					
<input checked="" type="checkbox"/>	Serratia marcescens strain SerEW01 16S ribosomal RNA gene, partial seque...	Serratia ma...	1679	1679	98%	0.0	94.94%	1443	MK961214.1					
<input checked="" type="checkbox"/>	Serratia marcescens strain RPWL1 16S ribosomal RNA gene, partial sequence	Serratia ma...	1679	1679	98%	0.0	94.94%	1415	MF185369.1					
<input checked="" type="checkbox"/>	Serratia marcescens strain Tpb 16S ribosomal RNA gene, partial sequence	Serratia ma...	1679	1679	98%	0.0	94.94%	1388	MF280132.1					
<input checked="" type="checkbox"/>	Serratia nematodiphila strain YS8 16S ribosomal RNA gene, partial sequence	Serratia ne...	1679	1679	98%	0.0	94.94%	1449	KY887776.1					
<input type="checkbox"/>	Serratia marcescens strain E3 16S ribosomal RNA gene, partial sequence	Serratia ma...	1679	1679	98%	0.0	94.94%	1408	KX215147.1					

Gambar Lampiran 5. Hasil Blast Isolat Btg.1.6

Descriptions										Graphic Summary	Alignments	Taxonomy		
Sequences producing significant alignments										Download	Select columns	Show	100	?
<input checked="" type="checkbox"/> select all	100 sequences selected									GenBank	Graphics	Distance tree of results	MSA Viewer	
	Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession					
<input checked="" type="checkbox"/>	Lysinibacillus sp. strain DGS20 16S ribosomal RNA gene, partial sequence	Lysinibacill...	1496	1496	99%	0.0	92.83%	1444	OM142588.1					
<input checked="" type="checkbox"/>	Lysinibacillus sp. strain DGF23 16S ribosomal RNA gene, partial sequence	Lysinibacill...	1459	1459	99%	0.0	92.17%	1439	OM142541.1					
<input checked="" type="checkbox"/>	Lysinibacillus sp. strain ZI2D 16S ribosomal RNA gene, partial sequence	Lysinibacill...	1454	1454	99%	0.0	92.08%	1453	OM936161.1					
<input checked="" type="checkbox"/>	Lysinibacillus sp. strain DGS22 16S ribosomal RNA gene, partial sequence	Lysinibacill...	1454	1454	99%	0.0	92.07%	1461	OM142590.1					
<input checked="" type="checkbox"/>	Lysinibacillus sp. strain DGS19 16S ribosomal RNA gene, partial sequence	Lysinibacill...	1454	1454	99%	0.0	92.07%	1457	OM142587.1					
<input checked="" type="checkbox"/>	Lysinibacillus sp. strain DGC19 16S ribosomal RNA gene, partial sequence	Lysinibacill...	1454	1454	99%	0.0	92.07%	1466	OM142514.1					
<input checked="" type="checkbox"/>	Lysinibacillus fusiformis strain PGAm9801 16S ribosomal RNA gene, partial...	Lysinibacill...	1450	1450	99%	0.0	91.98%	1171	MZ452331.1					
<input checked="" type="checkbox"/>	Lysinibacillus sp. LZLB-20 16S ribosomal RNA gene, partial sequence	Lysinibacill...	1450	1450	99%	0.0	92.07%	1496	JX847126.1					
<input type="checkbox"/>	Lysinibacillus sp. JN09 16S ribosomal RNA gene, partial sequence	Lysinibacill...	1448	1448	99%	0.0	91.98%	1457	KC121035.1					

Gambar Lampiran 6. Hasil Blast Isolat Jpt.3.7



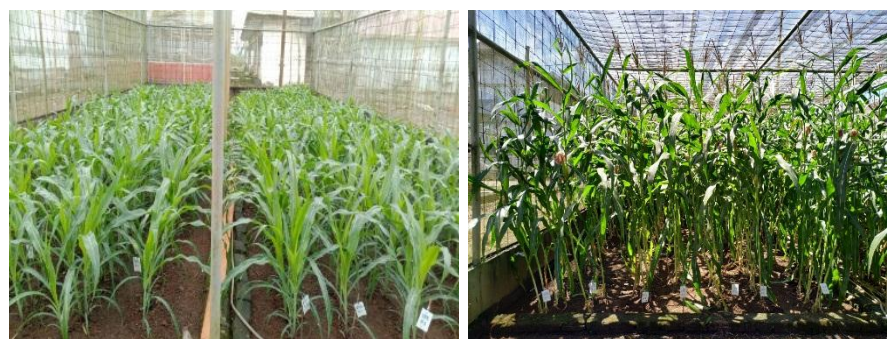
Gambar Lampiran 7. Media Zn



Gambar Lampiran 8. Aplikasi Isolat Bakteri pada Benih



Gambar Lampiran 9. Pertumbuhan Tanaman Jagung 10 HST dan 20 HST



Gambar Lampiran 10. Pertumbuhan Tanaman Jagung 30 HST dan 60 HST



Blok 1

V3P1	V1P3	V2P0	V1P5	V2P2	V1P4	V2P6
V2P1	V3P3	V1P0	V2P5	V1P2	V2P4	V3P6
V1P1	V2P3	V3P0	V3P5	V3P2	V3P4	V1P6

Blok 2

V3P2	V1P1	V2P3	V1P0	V3P5	V2P6	V1P4
V2P2	V3P1	V1P3	V3P0	V2P5	V3P6	V2P4
V1P2	V2P1	V3P3	V2P0	V1P5	V1P6	V3P4

Blok 3

V1P0	V3P5	V2P6	V3P2	V1P1	V1P4	V2P3
V3P0	V2P5	V3P6	V2P2	V3P1	V2P4	V1P3
V2P0	V1P5	V1P6	V1P2	V2P1	V3P4	V3P3

Blok 4

V1P4	V3P2	V1P0	V1P1	V2P6	V2P3	V3P5
V2P4	V2P2	V3P0	V3P1	V3P6	V1P3	V2P5
V3P4	V1P2	V2P0	V2P1	V1P6	V3P3	V1P5

Blok 5

V3P5	V2P6	V1P4	V2P3	V1P0	V1P1	V3P2
V2P5	V3P6	V2P4	V1P3	V3P0	V3P1	V2P2
V1P5	V1P6	V3P4	V3P3	V2P0	V2P1	V1P2

Blok 6

V1P1	V3P5	V2P6	V1P4	V2P3	V1P0	V3P2
V3P1	V2P5	V3P6	V2P4	V1P3	V3P0	V2P2
V2P1	V1P5	V1P6	V3P4	V3P3	V2P0	V1P2

Gambar Lampiran 11. Denah Percobaan