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## LAMPIRAN

Tabel lampiran 1. Analisis sidik ragam rata-rata pertumbuhan isolat bakteri penghasil alginat masa inkubasi 7 hari

SK	DB	JK	KT	F-hitung	ket	F-tabel	
						0.05	0.01
Perlakuan	17	1.4	0.08	1.57	tn	2.20	3.08
faktor 1	5	0.3	0.05	0.99	tn	2.74	4.17
faktor 2	2	0.7	0.34	6.46	**	3.52	5.93
interaksi	10	0.5	0.05	0.88	tn	2.38	3.43
galat	19	1.0	0.05				
Total	53	2.4					
KK	12.2%						

Keterangan : tn : berpengaruh tidak nyata\*\* : berpengaruh sangat nyata

Tabel lampiran 2. Analisis sidik ragam rata-rata pertumbuhan isolat bakteri penghasil alginat masa inkubasi 14 hari

SK	DB	JK	KT	F-hitung	ket	F-tabel	
						0.05	0.01
Perlakuan	17	4.7	0.27	5.13	**	2.20	3.08
faktor 1	5	2.5	0.49	9.19	**	2.74	4.17
faktor 2	2	0.1	0.06	1.08	tn	3.52	5.93
interaksi	10	2.1	0.21	3.91	**	2.38	3.43
galat	19	1.0	0.05				
Total	53	5.7					
KK	7.7%						

Keterangan : tn : berpengaruh tidak nyata; \*\* : berpengaruh sangat nyata

Tabel lampiran 3. Analisis sidik ragam rata-rata pertumbuhan isolat bakteri penghasil alginat masa inkubasi 28 hari

SK	DB	JK	KT	F-hitung	ket	F-tabel	
						0.05	0.01
Perlakuan	17	18.1	1.07	8.25	**	2.20	3.08
faktor 1	5	10.2	2.04	15.78	**	2.74	4.17
faktor 2	2	2.6	1.32	10.18	**	3.52	5.93
interaksi	10	5.3	0.53	4.10	**	2.38	3.43
galat	19	2.5	0.13				
Total	53	20.6					
KK	18.3%						

Keterangan : \*\* : berpengaruh sangat nyata

Tabel lampiran 4. Analisis sidik ragam perlakuan jenis tanah, jenis isolat bakteri penghasil alginat dan jenis biochar terhadap kepadatan tanah bertekstur liat dan lempung berpasir

SK	Db	JK	KT	F.Hitung		FT <sub>0,05</sub>	FT <sub>0,01</sub>
Kelompok	2	0,009	0,004				
t	1	0,061	0,061	410,822	**	18,51	98,50
Galat (t)	2	0,00030	0,00015				
a	2	0,053	0,027	4,950	*	4,46	8,65
t x a	2	0,012	0,006	1,074	tn	4,46	8,65
Galat (a)	8	0,043	0,005				
b	2	0,004	0,002	0,798	tn	3,40	5,61
p x b	2	0,013	0,007	2,517	tn	3,40	5,61
a x b	4	0,046	0,011	4,404	**	2,78	4,22
t x a x b	4	0,017	0,004	1,599	tn	2,78	4,22
Galat (b)	24	0,062	0,003				
Total	53	0,320					
KKt=1,40%		KKa=8,37%		KKb=5,82%			

Keterangan : \*\* =berpengaruh sangat nyata, \* = berpengaruh nyata, tn= tidak berpengaruh nyata

Tabel lampiran 5. Analisis sidik ragam perlakuan jenis tanah, jenis isolat bakteri penghasil alginat dan jenis biochar terhadap kerapatan partikel tanah (PD) bertekstur liat dan lempung berpasir

SK	Db	JK	KT	F.Hitung		FT <sub>0,05</sub>	FT <sub>0,01</sub>
Kelompok	2	0,00013	0,00006				
t	1	0,282	0,28	806,00	**	18,51	98,50
Galat (t)	2	0,001	0,00				
a	2	0,353	0,18	825,25	**	4,46	8,65
t x a	2	0,080	0,04	187,51	**	4,46	8,65
Galat (a)	8	0,002	0,00				
b	2	0,026	0,01	65,93	**	3,40	5,61
p x b	2	0,088	0,04	224,24	**	3,40	5,61
a x b	4	1,054	0,26	1341,62	**	2,78	4,22
t x a x b	4	0,196	0,05	249,83	**	2,78	4,22
Galat (b)	24	0,005	0,00				
Total	53	2,087					
KKt =1,10%		KKa=0,86%		KKb=0,83%			

Keterangan : \*\* = berpengaruh sangat nyata

Tabel lampiran 6. Analisis sidik ragam perlakuan jenis tanah, jenis isolat bakteri penghasil alginat dan jenis biochar terhadap porositas bertekstur liat dan lempung berpasir

SK	Db	JK	KT	F.Hitung		FT <sub>0,05</sub>	FT <sub>0,01</sub>
Kelompok	2	43,90	21,95				
t	1	897,22	897,22	127,69	**	18,51	98,50
Galat (t)	2	14,05	7,03				
a	2	220,88	110,44	4,93	*	4,46	8,65
t x a	2	233,36	116,68	5,21	*	4,46	8,65
Galat (a)	8	179,14	22,39				
b	2	1,09	0,55	0,04	tn	3,40	5,61
p x b	2	214,74	107,37	8,35	**	3,40	5,61
a x b	4	1362,15	340,54	26,47	**	2,78	4,22
t x a x b	4	310,86	77,72	6,04	**	2,78	4,22
Galat (b)	24	308,71	12,86				
Total	53	3786,11					
KK t		5,56%	KKa = 9,92%	KKb = 7,52%			

Keterangan:\*\* =berpengaruh sangat nyata, \* = berpengaruh nyata, tn= tidak berpengaruh nyata

Tabel lampiran 7. Analisis sidik ragam perlakuan makroagregat tanah 2-1 mm

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	17.77	8.89				
t	1	27581.04	27581.04	2969.96	**	18,51	98,50
Galat (t)	2	18.57	9.29				
a	2	4415.21	2207.61	105.27	**	4,46	8,65
t x a	2	3748.12	1874.06	89.37	**	4,46	8,65
Galat (a)	8	167.77	20.97				
b	2	2133.49	1066.75	76.88	**	3,40	5,61
p x b	2	6931.84	3465.92	249.78	**	3,40	5,61
a x b	4	18516.39	4629.10	333.60	**	2,78	4,22
t x a x b	4	13501.00	3375.25	243.24	**	2,78	4,22
Galat (b)	24	333.03	13.88				
Total	53	77364.23					
KK t		4.20%					
KK a		6.31%					
KK b		5.13%					

Keterangan : \*\* = berpengaruh sangat nyata

Tabel lampiran 8. Analisis sidik ragam perlakuan Mesoagregattanah 1 – 0,25 mm.

SK	Db	JK	KT	F.Hitung	F. Tabel	
					0,05	0,01
Kelompok	2	4.96	2.48			
t	1	3422.31	3422.31	4595.13 **	18,51	98,50
Galat (t)	2	1.49	0.74			
a	2	175.97	87.99	7.76 *	4,46	8,65
t x a	2	239.60	119.80	10.56 **	4,46	8,65
Galat (a)	8	90.73	11.34			
b	2	743.53	371.76	79.17 **	3,40	5,61
p x b	2	657.40	328.70	70.00 **	3,40	5,61
a x b	4	415.05	103.76	22.10 **	2,78	4,22
t x a x b	4	301.00	75.25	16.03 **	2,78	4,22
Galat (b)	24	112.70	4.70			
Total	53	6164.73				
KK t		5.12%				
KK a		19.96%				
KK b		12.84%				

Keterangan : \* = berpengaruh nyata \*\* = berpengaruh sangat nyata

Tabel lampiran 9. Analisis sidik ragam perlakuan mikroagregat tanah &lt;0,25 mm

SK	Db	JK	KT	F.Hitung	F. Tabel	
					0,05	0,01
Kelompok	2	0.0002	0.0001			
t	1	1.370	1.370	224.39 **	18,51	98,50
Galat (t)	2	0.012	0.006			
a	2	2.902	1.451	108.04 **	4,46	8,65
t x a	2	0.830	0.415	30.88 **	4,46	8,65
Galat (a)	8	0.107	0.013			
b	2	0.149	0.075	9.26 **	3,40	5,61
p x b	2	1.107	0.554	68.74 **	3,40	5,61
a x b	4	1.103	0.276	34.24 **	2,78	4,22
t x a x b	4	0.965	0.241	29.95 **	2,78	4,22
Galat (b)	24	0.193	0.008			
Total	53	8.739				
KK t		12.07%				
KK a		17.90%				
KK b		13.86%				

Keterangan : \*\* = berpengaruh sangat nyata

Tabel lampiran 10. Analisis sidik ragam perlakuan jenis tanah, jenis isolat bakteri penghasil alginat dan jenis biochar terhadap Luas permukaan tanah bertekstur liat dan lempung berpasir

SK	Db	JK	KT	F.Hitung	FT <sub>0,05</sub>	FT <sub>0,01</sub>
Kelompok	2	0,0067	0,0034			
t	1	0,0002	0,0002	1,05 tn	18,51	98,50
Galat (t)	2	0,0004	0,0002			
a	2	0,0017	0,0008	3,74 tn	4,46	8,65
t x a	2	0,0047	0,0024	10,49 **	4,46	8,65
Galat (a)	8	0,0018	0,0002			
b	2	0,0013	0,0007	2,85 tn	3,40	5,61
p x b	2	0,0008	0,0004	1,77 tn	3,40	5,61
a x b	4	0,0008	0,0002	0,87 tn	2,78	4,22
t x a x b	4	0,0006	0,0001	0,60 tn	2,78	4,22
Galat (b)	24	0,0056	0,0002			
Total	53	0,0248				
KK t = 0,02%		KKa = 0,020%		KKb = 0,021%		

Keterangan : \*\* =berpengaruh sangat nyata, tn = tidak berpengaruh nyata

Tabel lampiran 11. Uji F pengaruh jenis tanah, isolat bakteri dan biochar cangkang kelapa sawit terhadap kemampuan retensi air tanah liat

Isolat bakteri penghasil alginat	Biochar	Ringkasan Model				Parameter uji		
		R <sup>2</sup>	F	df1	df2	Sig.	a	b
KK1-40	Cangkang kelapa sawit	.956	351.594	1	16	.000	.500	-1.037
	Tandan kosong kelapa sawit	.958	362.286	1	16	.000	.503	-1.065
	Tongkol jagung	.866	103.728	1	16	.000	.619	-.854
KK3-32	Cangkang kelapa sawit	.907	156.491	1	16	.000	.898	-.555
	Tandan kosong kelapa sawit	.863	100.419	1	16	.000	.594	-1.052
	Tongkol jagung	.753	48.700	1	16	.000	.234	-1.633
LR1-25	Cangkang kelapa sawit	.774	54.762	1	16	.000	.274	-1.460
	Tandan kosong kelapa sawit	.887	126.205	1	16	.000	.595	-.911
	Tongkol jagung	.898	140.199	1	16	.000	.623	-.785

Tabel lampiran 12. Uji F pengaruh jenis tanah, isolat bakteri dan biochar cangkang kelapa sawit terhadap kemampuan retensi air tanah llempung berpasir

Isolat bakteri penghasil alginat	Biochar	Ringkasan Model				Parameter uji		
		R <sup>2</sup>	F	df1	df2	Sig.	a	b
KK1-40	Cangkang kelapa sawit	.754	48.919	1	16	.000	2.046	-.049
	Tandan kosong kelapa sawit	.788	59.452	1	16	.000	1.974	-.056
	Tongkol jagung	.857	95.942	1	16	.000	2.023	-.048
KK3-32	Cangkang kelapa sawit	.849	90.142	1	16	.000	1.921	-.068
	Tandan kosong kelapa sawit	.886	124.223	1	16	.000	1.813	-.099
	Tongkol jagung	.815	70.634	1	16	.000	1.981	-.056
LR1-25	Cangkang kelapa sawit	.872	109.490	1	16	.000	1.852	-.084
	Tandan kosong kelapa sawit	.918	178.229	1	16	.000	1.918	-.073
	Tongkol jagung	.907	156.148	1	16	.000	1.881	-.076

Tabel lampiran 13. Sidik Ragam status hara tanah setelah ditanami jagung hibrida

SK	DB	F.Hitung					
		C-organik	Nitrogen	C/N rasio	P-tersedia	KTK	Ph
KEL	2	5.6tn	5.12n	0.8tn	22.3t**	0.4tn	0.64tn
PU	2	162.5**	39.2**	18.7**	797.8**	221.3**	0.05tn
ACAK (A)	4						
AP	2	1.9tn	5.3*	3.7tn	433.3**	11.0**	2.42tn
PU x AP	4	16.4**	32.6**	1.8tn	216.9**	4.6*	1.49tn
ACAK (B)	12						
AAP	2	4.8*	6.9**	2.8tn	7742.7**	6.4**	0.44tn
PUxAAP	4	2.1tn	26.4**	3.8*	849.1**	1.8tn	1.39tn
APxAAP	4	2.2tn	2.0	3.4*	106.8**	3.5*	1.24tn
PUxAAPxAAP	8	4.6**	4.7**	1.4tn	647.0**	5.8**	0.61tn
ACAK©	36						
TOTAL	80						

Keterangan : tn = berpengaruh tidak nyata \* = berpengaruh nyata

Tabel lampiran 14. Analisis sidik ragam kadar nitrogen daun tanaman jagung

SK	Db	JK	KT	F.Hitung	F. Tabel	
					0,05	0,01
Kelompok	2	0,03	0,01			
a	2	5,03	2,51	154,95 **	6,94	18,00
Galat (a)	4	0,06	0,02			
b	2	0,65	0,33	57,53 **	3,89	6,93
a x b	4	0,42	0,10	18,28 **	3,26	5,41
Galat (b)	12	0,07	0,01			
c	2	0,04	0,02	3,81 *	3,26	5,25
a x c	4	0,19	0,05	8,37 **	2,63	3,89
b x c	4	0,13	0,03	5,63 **	2,63	3,89
a x b x c	8	0,25	0,03	5,44 **	2,21	3,05
Galat (c)	36	0,21	0,01			
Total	80	7,08				
KK a		9%				
KK b		5%				
KK c		5%				

Keterangan : \*\* =berpengaruh sangat nyata\* = berpengaruh nyata

Tabel lampiran 15. Analisis sidik ragam kadar fosfor daun tanaman jagung

SK	Db	JK	KT	F.Hitung	F. Tabel	
					0,05	0,01
Kelompok	2	0,004	0,002			
a	2	0,016	0,008	5,90 tn	6,94	18,00
Galat (a)	4	0,005	0,001			
b	2	0,002	0,001	1,96 tn	3,89	6,93
a x b	4	0,020	0,005	8,01 **	3,26	5,41
Galat (b)	12	0,008	0,001			
c	2	0,001	0,000	0,86 tn	3,26	5,25
a x c	4	0,003	0,001	1,58 tn	2,63	3,89
b x c	4	0,008	0,002	4,21 **	2,63	3,89
a x b x c	8	0,016	0,002	4,09 **	2,21	3,05
Galat (c)	36	0,017	0,000			
Total	80	0,10				
KK a = 18%		KKb = 12%		KKc = 11%		

Keterangan : \*\* =berpengaruh sangat nyata, tn= tidak berpengaruh nyata



Tabel lampiran 16. Analisis sidik ragam tinggi tanaman jagung umur 14 HST

SK	Db	JK	KT	F.Hitung	F. Tabel	
					0,05	0,01
Kelompok	2	55,43	27,71			
a	2	254,50	127,25	2,72 tn	6,94	18,00
Galat (a)	4	187,20	46,80			
b	2	8,27	4,13	0,18 tn	3,89	6,93
a x b	4	138,16	34,54	1,48 tn	3,26	5,41
Galat (b)	12	280,92	23,41			
c	2	8,84	4,42	0,14 tn	3,26	5,25
a x c	4	51,72	12,93	0,40 tn	2,63	3,89
b x c	4	108,67	27,17	0,85 tn	2,63	3,89
a x b x c	8	147,35	18,42	0,57 tn	2,21	3,05
Galat (c)	36	1153,63	32,05			
Total	80	2394,69				
KK a		14%				
KK b		10%				
KK c		12%				

Keterangan :tn = tidak berpengaruh nyata.

Tabel lampiran 17. Analisis sidik ragam tinggi tanaman Jagung umur 35 HST

SK	Db	JK	KT	F.Hitung	F. Tabel	
					0,05	0,01
Kelompok	2	177,51	88,75			
a	2	4988,97	2494,48	35,55 **	6,94	18,00
Galat (a)	4	280,68	70,17			
b	2	157,04	78,52	1,65 tn	3,89	6,93
a x b	4	426,14	106,54	2,24 tn	3,26	5,41
Galat (b)	12	569,81	47,48			
c	2	1637,45	818,73	16,85 **	3,26	5,25
a x c	4	440,96	110,24	2,27 tn	2,63	3,89
b x c	4	306,22	76,55	1,58 tn	2,63	3,89
a x b x c	8	323,38	40,42	0,83 tn	2,21	3,05
Galat (c)	36	1749,33	48,59			
Total	80	11057,49				
KK a = 6%		KKb = 5%		KKc = 5%		

Keterangan :\*\* =berpengaruh sangat nyata, tn = tidak berpengaruh nyata

Tabel lampiran 18. Analisis sidik ragam tinggi tanaman jagung umur 49 HST

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	269,85	134,93				
a	2	42320,22	21160,11	172,61 **		6,94	18,00
Galat (a)	4	490,37	122,59				
b	2	665,41	332,70	1,74 tn		3,89	6,93
a x b	4	1130,15	282,54	1,48 tn		3,26	5,41
Galat (b)	12	2288,67	190,72				
c	2	10573,41	5286,70	42,28 **		3,26	5,25
a x c	4	1024,59	256,15	2,05 tn		2,63	3,89
b x c	4	896,30	224,07	1,79 tn		2,63	3,89
a x b x c	8	547,26	68,41	0,55 tn		2,21	3,05
Galat (c)	36	4501,78	125,05				
Total	80	64708,00					
KK a = 5%		KKb = 7%		KKc = 5%			

Keterangan : \*\* = berpengaruh sangat nyata, tn = tidak berpengaruh nyata

Tabel lampiran 19. Analisis sidik ragam jumlah daun tanaman jagung umur 14 HST

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	0,02	0,01				
a	2	0,02	0,01	0,25 tn		6,94	18,00
Galat (a)	4	0,20	0,05				
b	2	0,17	0,09	1,17 tn		3,89	6,93
a x b	4	0,05	0,01	0,17 tn		3,26	5,41
Galat (b)	12	0,89	0,07				
c	2	0,02	0,01	0,20 tn		3,26	5,25
a x c	4	0,20	0,05	0,80 tn		2,63	3,89
b x c	4	0,05	0,01	0,20 tn		2,63	3,89
a x b x c	8	0,84	0,10	1,70 tn		2,21	3,05
Galat (c)	36	2,22	0,06				
Total	80	4,69					
KK a = 5%		KKb = 6%		KKc = 5%			

Keterangan : tn = tidak berpengaruh nyata

Tabel lampiran 20. Analisis sidik ragam jumlah daun tanaman jagung umur 35 HST

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	2,40	1,20				
a	2	9,36	4,68	37,90 **	6,94	18,00	
Galat (a)	4	0,49	0,12				
b	2	1,65	0,83	4,06 *	3,89	6,93	
a x b	4	2,57	0,64	3,15 tn	3,26	5,41	
Galat (b)	12	2,44	0,20				
c	2	1,65	0,83	2,79 tn	3,26	5,25	
a x c	4	1,46	0,36	1,23 tn	2,63	3,89	
b x c	4	0,72	0,18	0,60 tn	2,63	3,89	
a x b x c	8	3,51	0,44	1,48 tn	2,21	3,05	
Galat (c)	36	10,67	0,30				
Total	80	36,91					
KK a	3%	Kkb	5%	KKc	5%		

Keterangan : \*\* = berpengaruh sangat nyata, tn = tidak berpengaruh nyata

Tabel lampiran 21. Analisis sidik ragam jumlah daun tanaman jagung umur 49 HST

SK	Db	JK	KT	F.Hitung	F. Tabel	
					0,05	0,01
Kelompok	2	0,17	0,09			
a	2	3,65	1,83	4,35 tn	6,94	18,00
Galat (a)	4	1,68	0,42			
b	2	3,06	1,53	4,00 *	3,89	6,93
a x b	4	0,79	0,20	0,52 tn	3,26	5,41
Galat (b)	12	4,59	0,38			
c	2	1,58	0,79	3,46 *	3,26	5,25
a x c	4	1,60	0,40	1,76 tn	2,63	3,89
b x c	4	1,53	0,38	1,68 tn	2,63	3,89
a x b x c	8	1,73	0,22	0,95 tn	2,21	3,05
Galat (c)	36	8,22	0,23			
Total	80	28,62				
KK a = 5%		KKb = 4%	KKc = 3%			

Keterangan : \*\* = berpengaruh sangat nyata, tn = tidak berpengaruh nyata

Tabel lampiran 22. Analisis sidik ragam luas daun tanaman jagung

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	9128,61	4564,31				
a	2	129547,66	64773,83	18,50	**	6,94	18,00
Galat (a)	4	14008,33	3502,08				
b	2	5537,33	2768,67	0,64	tn	3,89	6,93
a x b	4	5363,61	1340,90	0,31	tn	3,26	5,41
Galat (b)	12	51950,47	4329,21				
c	2	28302,71	14151,36	4,93	*	3,26	5,25
a x c	4	29043,72	7260,93	2,53	tn	2,63	3,89
b x c	4	9188,44	2297,11	0,80	tn	2,63	3,89
a x b x c	8	22715,51	2839,44	0,99	tn	2,21	3,05
Galat (c)	36	103430,45	2873,07				
Total	80	408216,85					
KK a=10%		KKb=11%	KKc=9%				

Keterangan : \*\* =berpengaruh sangat nyata, \* = berpengaruh nyata,  
tn= tidak berpengaruh nyata

Tabel lampiran 23. Analisis sidik ragam berat kering akar tanaman jagung

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	57,19	28,59				
a	2	188,07	94,04	11,26	*	6,94	18,00
Galat (a)	4	33,41	8,35				
b	2	20,96	10,48	0,46	tn	3,89	6,93
a x b	4	239,85	59,96	2,64	tn	3,26	5,41
Galat (b)	12	272,07	22,67				
c	2	93,56	46,78	1,77	tn	3,26	5,25
a x c	4	593,70	148,43	5,62	**	2,63	3,89
b x c	4	415,93	103,98	3,93	**	2,63	3,89
a x b x c	8	1214,81	151,85	5,75	**	2,21	3,05
Galat (c)	36	951,33	26,43				
Total	80	4080,89					
KK a=9%		KKb=15%	KKc=16%				

Keterangan : \*\* =berpengaruh sangat nyata, \* = berpengaruh nyata tn=tidak berpengaruh nyata

Tabel lampiran 24. Analisis sidik ragam berat kering tajuk tanaman jagung

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	1114,12	557,06				
a	2	9328,09	4664,04	7,01 *		6,94	18,00
Galat (a)	4	2662,85	665,71				
b	2	8565,66	4282,83	22,47 **		3,89	6,93
a x b	4	5357,77	1339,44	7,03 **		3,26	5,41
Galat (b)	12	2287,26	190,61				
c	2	1924,66	962,33	2,76 tn		3,26	5,25
a x c	4	1563,30	390,83	1,12 tn		2,63	3,89
b x c	4	5635,54	1408,88	4,04 **		2,63	3,89
a x b x c	8	14076,43	1759,55	5,05 **		2,21	3,05
Galat (c)	36	12547,78	348,55				
Total	80	65063,45					
KK a = 16%		KKb =9%		KKc=12%			

Keterangan : \*\* =berpengaruh sangat nyata, \* = berpengaruh nyata, tn=tidak berpengaruh nyata

Tabel lampiran 25. Analisis sidik ragam panjang tongkol tanaman jagung

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	0,39	0,19				
a	2	225,22	112,61	25,98 **		6,94	18,00
Galat (a)	4	17,34	4,33				
b	2	2,95	1,48	0,60 tn		3,89	6,93
a x b	4	9,02	2,25	0,91 tn		3,26	5,41
Galat (b)	12	29,75	2,48				
c	2	52,96	26,48	16,42 **		3,26	5,25
a x c	4	15,93	3,98	2,47 tn		2,63	3,89
b x c	4	9,56	2,39	1,48 tn		2,63	3,89
a x b x c	8	17,79	2,22	1,38 tn		2,21	3,05
Galat (c)	36	58,07	1,61				
Total	80	438,96					
KK a =13%		KKb=10%	KKc=8%				

Keterangan : \*\* = berpengaruh sangat nyata , tn=tidak berpengaruh nyata

Tabel lampiran 26. Analisis sidik ragam diameter tongkol tanaman jagung

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	21,83	10,92				
a	2	612,38	306,19	21,33	**	6,94	18,00
Galat (a)	4	57,42	14,36				
b	2	2,59	1,29	0,39	tn	3,89	6,93
a x b	4	32,46	8,11	2,42	tn	3,26	5,41
Galat (b)	12	40,28	3,36				
c	2	58,28	29,14	8,36	**	3,26	5,25
a x c	4	15,23	3,81	1,09	tn	2,63	3,89
b x c	4	32,92	8,23	2,36	tn	2,63	3,89
a x b x c	8	42,53	5,32	1,52	tn	2,21	3,05
Galat (c)	36	125,53	3,49				
Total	80	1041,44					
KK a =10%		KKb=5%	KKc=5%				

Keterangan : \*\* =berpengaruh sangat nyata, tn=tidak berpengaruh nyata

Tabel lampiran 27. Analisis sidik ragam bobot tongkol tanpa kelobot tanaman jagung

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	1183,76	591,88				
a	2	80568,46	40284,23	41,77	**	6,94	18,00
Galat (a)	4	3857,59	964,40				
b	2	3249,46	1624,73	1,99	tn	3,89	6,93
a x b	4	716,81	179,20	0,22	tn	3,26	5,41
Galat (b)	12	9795,37	816,28				
c	2	19547,06	9773,53	27,67	**	3,26	5,25
a x c	4	1792,87	448,22	1,27	tn	2,63	3,89
b x c	4	520,10	130,02	0,37	tn	2,63	3,89
a x b x c	8	4739,47	592,43	1,68	tn	2,21	3,05
Galat (c)	36	12716,56	353,24				
Total	80	138687,49					
KK a =16%		KKb=15%	KKc=10%				

Keterangan : \*\* =berpengaruh sangat nyata, tn= tidak berpengaruh nyata

Tabel lampiran 28. Analisis sidik ragam bobot 100 biji tanaman jagung

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	16,37	8,19				
a	2	207,41	103,70	27,60 **	6,94	18,00	
Galat (a)	4	15,03	3,76				
b	2	12,43	6,21	0,52 tn	3,89	6,93	
a x b	4	9,41	2,35	0,20 tn	3,26	5,41	
Galat (b)	12	144,01	12,00				
c	2	22,70	11,35	2,55 tn	3,26	5,25	
a x c	4	123,45	30,86	6,94 **	2,63	3,89	
b x c	4	20,61	5,15	1,16 tn	2,63	3,89	
a x b x c	8	16,82	2,10	0,47 tn	2,21	3,05	
Galat (c)	36	160,14	4,45				
Total	80	748,39					
KK a=7%		KKb=13%		KKc=8%			

Keterangan : \*\* =berpengaruh sangat nyata, tn = tidak berpengaruh nyata

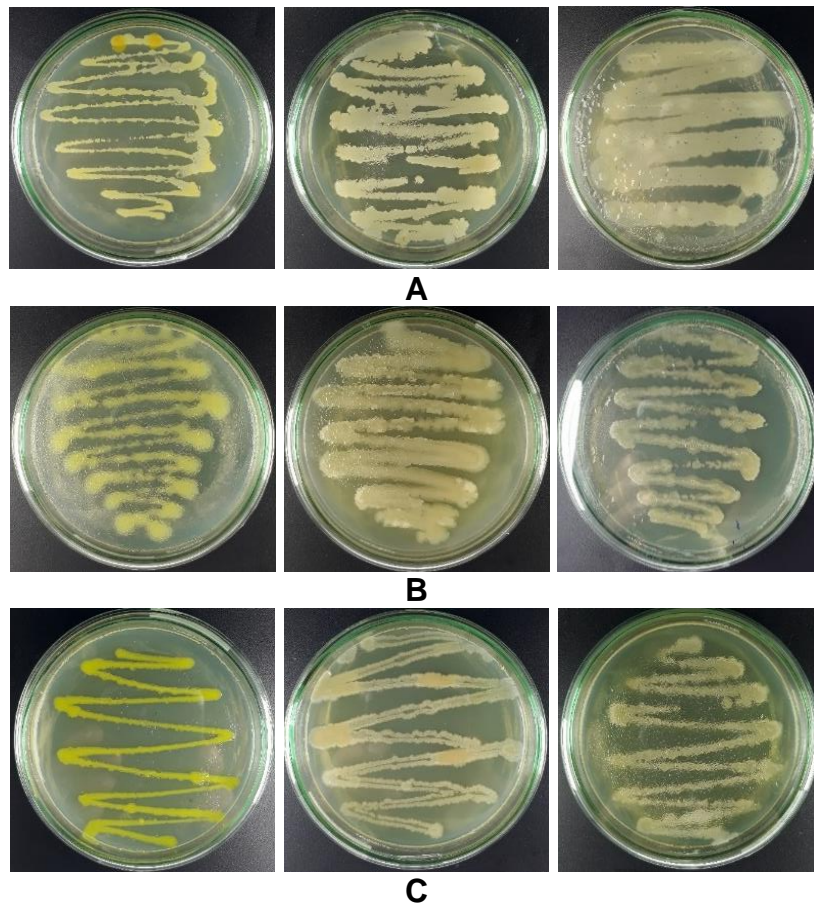
Tabel lampiran 29. Analisis sidik ragam jagung pipilan tanaman jagung

SK	Db	JK	KT	F.Hitung	F. Tabel		
					0,05	0,01	
Kelompok	2	439,05	219,53				
a	2	53012,45	26506,23	112,85 **	6,94	18,00	
Galat (a)	4	939,56	234,89				
b	2	1616,88	808,44	5,13 *	3,89	6,93	
a x b	4	1450,48	362,62	2,30 tn	3,26	5,41	
Galat (b)	12	1891,14	157,60				
c	2	7959,68	3979,84	52,13 **	3,26	5,25	
a x c	4	797,85	199,46	2,61 tn	2,63	3,89	
b x c	4	1800,94	450,23	5,90 **	2,63	3,89	
a x b x c	8	5485,62	685,70	8,98 **	2,21	3,05	
Galat (c)	36	2748,48	76,35				
Total	80	78142,13					
KK a= 11%		Kkb=9%		KKc=6%			

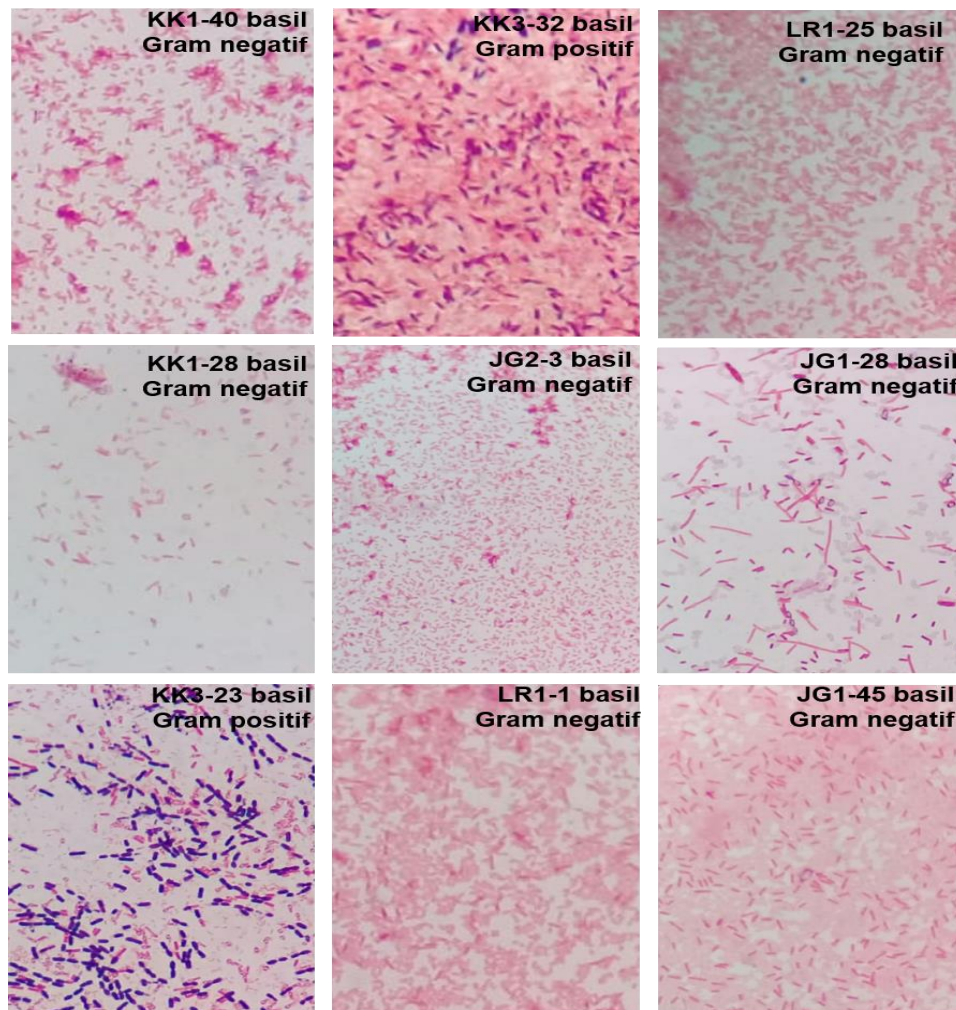
Keterangan : \*\* =berpengaruh sangat nyata, \* = berpengaruh nyata







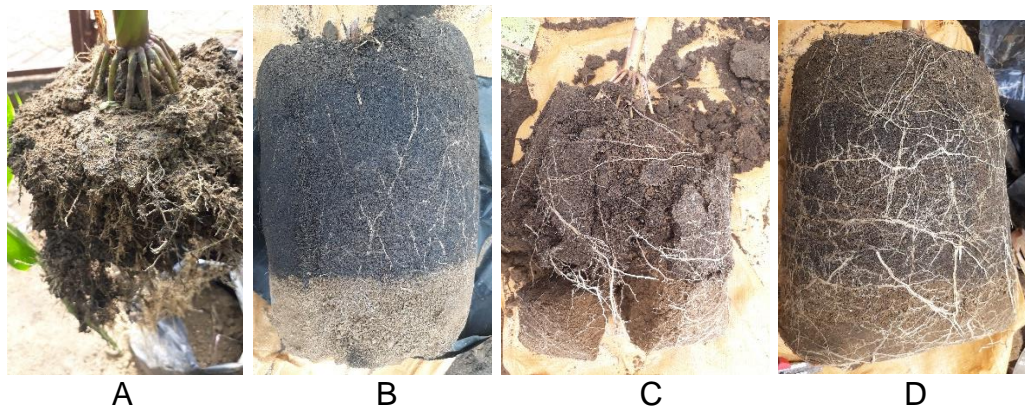
Gambar Lampiran 1. Morfologi isolat bakteri penghasil alginat dari tiga jenis rhizosfer: A. lamtoro (*Leucaena leucocephala*), B. kakao (*Theobroma cacao*), C. jagung (*Zea mays*).



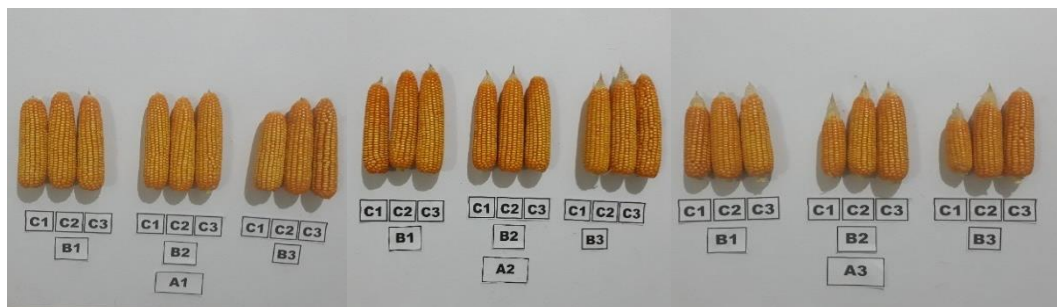
Gambar lampiran 2. Reaksi pewarnaan gram isolat bakteri penghasil alginat



Gambar lampiran 3. Reaksi hipersensitif tanaman tembakau (*Nicotiana tabacum*) pada 168 jam setelah infeksi dengan isolat bakteri alginat: (A) Kondisi daun segera setelah disuntikkan oleh suspensi isolat bakteri penghasil alginat (B) Reaksi negatif (-) tidak ada nekrotik gejala dan reaksi positif menunjukkan gejala infeksi nekrotik.



Gambar lampiran 4. Kondisi perakaran dan tanaman jagung pada KAKL 60% mengikuti keberadaan biochar didalam tanah: A,B. Akar pada perlakuan biochar tongkol jagung dan isolat KK1-40, C,D. Akar pada perlakuan biochar cangkang kelapa sawit dan isolat KK1-40.



Gambar lampiran 5. Panjang tongkol jagung pada setiap perlakuan kadar air kapasitas lapang, (A1=100%, A2=80%, A3=60%) isolat bakteri penghasil alginat (B1 = KK1-40, B2=KK3-32, B3= LR1-25 dan biochar (C1=cangkang kelapa sawit, C2= tandan kosong kelapa sawit, C3= tongkol jagung)

