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Lampiran

Lampiran 1. Data hasil pengamatan dan analisis sidik ragam waktu terjadi retakan

Tanah/Kand. Liat (g $100g^{-1}$)	Bahan Organik (BO)	Kelompok			Total Perlakuan
		1	2	3	
		---------- hari ----------			
Alfisol-25	Tanpa BO	12	13	12	37
	Ampas Tebu	13	13	13	39
	Blotong	13	13	13	39
Inceptisol-15	Tanpa BO	12	12	12	36
	Ampas Tebu	13	13	13	39
	Blotong	13	13	13	39
Vertisol-63	Tanpa BO	8	9	8	25
	Ampas Tebu	10	10	11	31
	Blotong	9	9	10	28

Tests of Between-Subjects Effects

Dependent Variable: WaktuRetak

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	78.148[a]	10	7.815	52.750	.000
Intercept	3628.481	1	3628.481	24492.250	.000
Tanah	68.963	2	34.481	232.750	.000
BOrganik	7.185	2	3.593	24.250	.000
Tanah * BOrganik	1.704	4	.426	2.875	.057
Kelompok	.296	2	.148	1.000	.390
Error	2.370	16	.148		
Total	3709.000	27			
Corrected Total	80.519	26			

a. R Squared = ,971 (Adjusted R Squared = ,952)

Lampiran 2. Data hasil pengamatan dan analisis sidik ragam kadar air pada saat terjadi retakan

Tanah/Kand. Liat (g 100g^{-1})	Bahan Organik (BO)	Kelompok			Total Perlakuan
		1	2	3	
		---------- g 100g^{-1} ----------			
Alfisol-25	Tanpa BO	61,17	57,13	52,23	170,53
	Ampas Tebu	59,10	55,71	55,70	170,51
	Blotong	55,52	52,55	51,63	159,70
Inceptisol-15	Tanpa BO	25,22	41,88	21,83	88,93
	Ampas Tebu	41,23	40,31	40,30	121,84
	Blotong	40,09	41,52	42,17	123,78
Vertisol-63	Tanpa BO	45,76	46,70	47,90	140,36
	Ampas Tebu	49,53	43,16	49,52	142,21
	Blotong	59,64	53,90	42,01	155,55

Tests of Between-Subjects Effects

Dependent Variable: KA

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1743.671[a]	6	290.612	9.233	.000
Intercept	60058.260	1	60058.260	1908.022	.000
Tanah	1565.449	2	782.725	24.867	.000
BOrganik	102.380	2	51.190	1.626	.222
Kelompok	75.841	2	37.920	1.205	.321
Error	629.534	20	31.477		
Total	62431.465	27			
Corrected Total	2373.205	26			

a. R Squared = .735 (Adjusted R Squared = .655)

Lampiran 3. Data hasil pengamatan dan analisis sidik ragam indeks retakan

Tanah/Kand. Liat (g $100g^{-1}$)	Bahan Organik (BO)	Kelompok			Total Perlakuan
		1	2	3	
Alfisol-25	Tanpa BO	0,0303	0,0303	0,0606	0,1212
	Ampas Tebu	0,0303	0,0303	0,0303	0,0909
	Blotong	0,0303	0,0303	0,0303	0,0909
Inceptisol-15	Tanpa BO	0,0303	0,0303	0,0303	0,0909
	Ampas Tebu	0,0303	0,0303	0,0303	0,0909
	Blotong	0,0303	0,0303	0,0303	0,0909
Vertisol-63	Tanpa BO	0,4545	0,4242	0,4545	1,3332
	Ampas Tebu	0,1818	0,1515	0,1818	0,5151
	Blotong	0,2727	0,2424	0,2727	0,7878

Tests of Between-Subjects Effects

Dependent Variable: IndeksRetak

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.525[a]	10	.053	537.322	.000
Intercept	.382	1	.382	3908.174	.000
Tanah	.409	2	.204	2089.391	.000
BOrganik	.042	2	.021	213.217	.000
Tanah * BOrganik	.074	4	.019	189.739	.000
Kelompok	.001	2	.000	4.522	.028
Error	.002	16	9.776E-005		
Total	.909	27			
Corrected Total	.527	26			

a. R Squared = ,997 (Adjusted R Squared = ,995)

Lampiran 4. Data hasil pengamatan dan analisis sidik ragam nilai *coeffisien of linear extensibility (COLE)*

Tanah/Kand. Liat (g $100g^{-1}$)	Bahan Organik (BO)	Kelompok			Total Perlakuan
		1	2	3	
Alfisol-25	Tanpa BO	0,0817	0,0845	0,0845	0,2507
	Ampas Tebu	0,0873	0,0958	0,1014	0,2845
	Blotong	0,0845	0,0845	0,0986	0,2676
Inceptisol-15	Tanpa BO	0,0704	0,0845	0,0789	0,2338
	Ampas Tebu	0,0704	0,0704	0,0986	0,2394
	Blotong	0,0704	0,0648	0,0704	0,2056
Vertisol-63	Tanpa BO	0,1690	0,1972	0,1831	0,5493
	Ampas Tebu	0,1690	0,1690	0,1690	0,5070
	Blotong	0,1972	0,1831	0,1408	0,5211

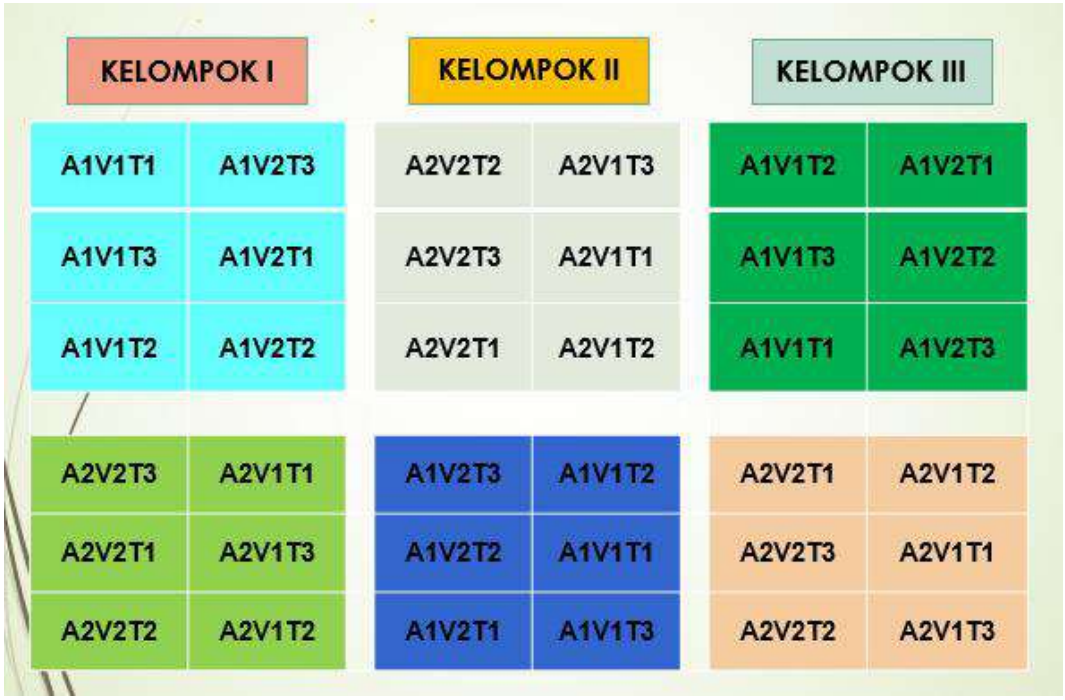
Tests of Between-Subjects Effects

Dependent Variable: COLE

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.071[a]	10	.007	7.056	.000
Intercept	.315	1	.315	311.648	.000
Tanah	.065	2	.032	32.030	.000
BOrganik	.001	2	.001	.560	.582
Tanah * BOrganik	.003	4	.001	.811	.536
Kelompok	.002	2	.001	1.065	.368
Error	.016	16	.001		
Total	.403	27			
Corrected Total	.088	26			

a. R Squared = ,815 (Adjusted R Squared = ,700)

Lampiran 5. Layout percobaan 2



Keterangan: Layout Percobaan II, dimana percobaan didesain dengan menggunakan rancangan petak-petak terpisah, dengan petak utama adalah perlakuan regim air, yaitu: Penggenangan secara terus menerus setinggi 2 cm (A1) dan pemberian air secara berselang, *Intermittent* (A2). Sebagai anak petak adalah varietas padi, yaitu: IR 64 (V1) dan Inpari 32 (V2), sedangkan anak-anak petak adalah jenis tanah, yaitu Alfisol (T1), Inceptisol (T2), dan Vertisol (T3), sehingga diperoleh 12 kombinasi perlakukan yang diulang sebanyak 3 kali.

Lampiran 6. Data hasil pengamatan dan analisis sidik ragam emisi CH_4 pada 30 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- mg m^{-2} jam^{-1}----------		
Flooding	IR 64	Alfisol-25	5,7932	4,0141	9,8073
		Inceptisol-15	0,9310	2,3519	3,2829
		Vertisol-63	0,5465	2,0514	2,5979
	Inpari 32	Alfisol-25	0,6104	2,0188	2,6292
		Inceptisol-15	1,6506	5,0763	6,7269
		Vertisol-63	1,3708	2,8782	4,2490
Intermittent	IR 64	Alfisol-25	0,5297	0,2341	0,7638
		Inceptisol-15	0,3548	0,2665	0,6213
		Vertisol-63	0,2125	0,4267	0,6392
	Inpari 32	Alfisol-25	0,4954	1,5473	2,0427
		Inceptisol-15	0,1417	1,6799	1,8216
		Vertisol-63	0,5591	2,0427	2,6018
Total Kelompok			13,1957	24,5879	37,7836

Tests of Between-Subjects Effects

Dependent Variable: Meth30

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	59.483	1	59.483	11.000	.186
	Error	5.408	1	5.408[a]		
Kelompok	Hypothesis	5.408	1	5.408	10.103	.194
	Error	.535	1	.535[b]		
RegAir	Hypothesis	18.032	1	18.032	33.687	.109
	Error	.535	1	.535[b]		
RegAir * Kelompok	Hypothesis	.535	1	.535	.286	.647
	Error	3.749	2	1.875[c]		
Varietas	Hypothesis	.232	1	.232	.124	.759
	Error	3.749	2	1.875[c]		
RegAir * Varietas	Hypothesis	1.774	1	1.774	.946	.433
	Error	3.749	2	1.875[c]		
RegAir * Varietas * Kelompok	Hypothesis	3.749	2	1.875	3.039	.104
	Error	4.935	8	.617[d]		
Tanah	Hypothesis	1.665	2	.832	1.349	.313
	Error	4.935	8	.617[d]		
RegAir * Tanah	Hypothesis	2.343	2	1.172	1.899	.211
	Error	4.935	8	.617[d]		
Varietas * Tanah	Hypothesis	8.447	2	4.223	6.846	.018
	Error	4.935	8	.617[d]		
RegAir * Varietas * Tanah	Hypothesis	7.808	2	3.904	6.328	.022
	Error	4.935	8	.617[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 7. Data hasil pengamatan dan analisis sidik ragam emisi CH_4 pada 60 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- mg m^{-2} jam^{-1} ----------		
Flooding	IR 64	Alfisol-25	2,5045	7,1255	9,6300
		Inceptisol-15	8,0350	7,4081	15,4431
		Vertisol-63	0,7859	1,8566	2,6425
	Inpari 32	Alfisol-25	2,9231	9,8936	12,8167
		Inceptisol-15	3,3955	8,8502	12,2457
		Vertisol-63	0,4130	0,6596	1,0726
Intermittent	IR 64	Alfisol-25	0,5971	2,9487	3,5458
		Inceptisol-15	6,2448	6,4355	12,6803
		Vertisol-63	0,3348	0,2281	0,5629
	Inpari 32	Alfisol-25	1,1661	2,9751	4,1412
		Inceptisol-15	3,2667	2,3989	5,6656
		Vertisol-63	0,0711	0,4013	0,4724
Total Kelompok			29,7376	51,1812	80,9188

Tests of Between-Subjects Effects

Dependent Variable: Meth60

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	272.847	1	272.847	14.245	.165
	Error	19.154	1	19.154[a]		
Kelompok	Hypothesis	19.154	1	19.154	2.337	.369
	Error	8.198	1	8.198[b]		
RegAir	Hypothesis	29.894	1	29.894	3.647	.307
	Error	8.198	1	8.198[b]		
RegAir * Kelompok	Hypothesis	8.198	1	8.198	3.320	.210
	Error	4.939	2	2.469[c]		
Varietas	Hypothesis	2.729	1	2.729	1.105	.403
	Error	4.939	2	2.469[c]		
RegAir * Varietas	Hypothesis	1.011	1	1.011	.409	.588
	Error	4.939	2	2.469[c]		
RegAir * Varietas * Kelompok	Hypothesis	4.939	2	2.469	.851	.462
	Error	23.215	8	2.902[d]		
Tanah	Hypothesis	108.412	2	54.206	18.680	.001
	Error	23.215	8	2.902[d]		
RegAir * Tanah	Hypothesis	9.153	2	4.576	1.577	.265
	Error	23.215	8	2.902[d]		
Varietas * Tanah	Hypothesis	12.447	2	6.223	2.145	.180
	Error	23.215	8	2.902[d]		
RegAir * Varietas * Tanah	Hypothesis	1.920	2	.960	.331	.728
	Error	23.215	8	2.902[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 8. Data hasil pengamatan dan analisis sidik ragam emisi CH_4 pada 90 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- mg m^{-2} jam^{-1} ----------		
Flooding	IR 64	Alfisol-25	8,3665	11,2119	19,5784
		Inceptisol-15	20,7571	22,5990	43,3561
		Vertisol-63	1,0172	3,8845	4,9017
	Inpari 32	Alfisol-25	14,1207	9,9088	24,0295
		Inceptisol-15	30,8833	27,8634	58,7467
		Vertisol-63	4,5433	4,5141	9,0574
Intermittent	IR 64	Alfisol-25	0,7935	1,3086	2,1021
		Inceptisol-15	27,8540	12,2963	40,1503
		Vertisol-63	0,4447	0,3735	0,8182
	Inpari 32	Alfisol-25	6,6809	1,1470	7,8279
		Inceptisol-15	4,7155	8,0107	12,7262
		Vertisol-63	0,7736	0,7932	1,5668
Total Kelompok			120,9503	103,9110	224,8613

Tests of Between-Subjects Effects

Dependent Variable: Meth90

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	2106.775	1	2106.775	174.151	.048
	Error	12.097	1	12.097[a]		
Kelompok	Hypothesis	12.097	1	12.097	.934	.511
	Error	12.946	1	12.946[b]		
RegAir	Hypothesis	371.923	1	371.923	28.730	.117
	Error	12.946	1	12.946[b]		
RegAir * Kelompok	Hypothesis	12.946	1	12.946	.805	.464
	Error	32.148	2	16.074[c]		
Varietas	Hypothesis	.387	1	.387	.024	.891
	Error	32.148	2	16.074[c]		
RegAir * Varietas	Hypothesis	84.177	1	84.177	5.237	.149
	Error	32.148	2	16.074[c]		
RegAir * Varietas * Kelompok	Hypothesis	32.148	2	16.074	1.191	.353
	Error	107.992	8	13.499[d]		
Tanah	Hypothesis	1287.227	2	643.614	47.679	.000
	Error	107.992	8	13.499[d]		
RegAir * Tanah	Hypothesis	89.501	2	44.750	3.315	.089
	Error	107.992	8	13.499[d]		
Varietas * Tanah	Hypothesis	33.666	2	16.833	1.247	.338
	Error	107.992	8	13.499[d]		
RegAir * Varietas * Tanah	Hypothesis	146.615	2	73.307	5.431	.032
	Error	107.992	8	13.499[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 9. Data hasil perhitungan dan analisis sidik ragam total emisi CH_4 per musim

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- kg m^{-2} $musim^{-1}$ ----------		
Flooding	IR 64	Alfisol-25	146,64	196,69	343,34
		Inceptisol-15	261,56	284,76	546,32
		Vertisol-63	20,68	68,57	89,25
	Inpari 32	Alfisol-25	155,36	192,03	347,38
		Inceptisol-15	316,18	367,75	683,93
		Vertisol-63	55,68	70,86	126,54
Intermittent	IR 64	Alfisol-25	16,90	39,52	56,42
		Inceptisol-15	303,19	167,19	470,38
		Vertisol-63	8,73	9,05	17,78
	Inpari 32	Alfisol-25	73,41	49,89	123,30
		Inceptisol-15	71,49	106,39	177,88
		Vertisol-63	12,35	28,49	40,84
	Total Kelompok		1442,18	1581,18	3023,36

Tests of Between-Subjects Effects

Dependent Variable: TOMET

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	380862.737	1	380862.737	472.961	.029
	Error	805.273	1	805.273[a]		
Kelompok	Hypothesis	805.273	1	805.273	.201	.732
	Error	4006.750	1	4006.750[b]		
RegAir	Hypothesis	65120.834	1	65120.834	16.253	.155
	Error	4006.750	1	4006.750[b]		
RegAir * Kelompok	Hypothesis	4006.750	1	4006.750	4.790	.160
	Error	1673.061	2	836.531[c]		
Varietas	Hypothesis	23.207	1	23.207	.028	.883
	Error	1673.061	2	836.531[c]		
RegAir * Varietas	Hypothesis	6064.896	1	6064.896	7.250	.115
	Error	1673.061	2	836.531[c]		
RegAir * Varietas * Kelompok	Hypothesis	1673.061	2	836.531	.759	.499
	Error	8820.289	8	1102.536[d]		
Tanah	Hypothesis	164358.071	2	82179.035	74.536	.000
	Error	8820.289	8	1102.536[d]		
RegAir * Tanah	Hypothesis	12946.137	2	6473.068	5.871	.027
	Error	8820.289	8	1102.536[d]		
Varietas * Tanah	Hypothesis	4059.983	2	2029.992	1.841	.220
	Error	8820.289	8	1102.536[d]		
RegAir * Varietas * Tanah	Hypothesis	17578.036	2	8789.018	7.972	.012
	Error	8820.289	8	1102.536[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 10. Data hasil pengamatan dan analisis sidik ragam emisi N_2O pada 30 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- µg m^{-2} jam^{-1} ----------		
Flooding	IR 64	Alfisol-25	2,2191	2,2238	4,4429
		Inceptisol-15	6,1003	8,1680	14,2683
		Vertisol-63	2,6747	1,8517	4,5264
	Inpari 32	Alfisol-25	0,5032	1,3705	1,8737
		Inceptisol-15	2,9320	4,8375	7,7695
		Vertisol-63	2,6052	2,5634	5,1686
Intermittent	IR 64	Alfisol-25	7,0019	6,6702	13,6721
		Inceptisol-15	7,1964	4,6470	11,8434
		Vertisol-63	1,4004	2,0313	3,4317
	Inpari 32	Alfisol-25	2,8941	1,4586	4,3527
		Inceptisol-15	3,1053	3,1398	6,2451
		Vertisol-63	2,5954	2,4458	5,0412
	Total Kelompok		41,2280	41,4076	82,6356

Tests of Between-Subjects Effects

Dependent Variable: N2O30

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	284.527	1	284.527	211700.413	.001
	Error	.001	1	.001[a]		
Kelompok	Hypothesis	.001	1	.001	.001	.985
	Error	2.523	1	2.523[b]		
RegAir	Hypothesis	1.780	1	1.780	.706	.555
	Error	2.523	1	2.523[b]		
RegAir * Kelompok	Hypothesis	2.523	1	2.523	22.554	.042
	Error	.224	2	.112[c]		
Varietas	Hypothesis	19.682	1	19.682	175.956	.006
	Error	.224	2	.112[c]		
RegAir * Varietas	Hypothesis	.993	1	.993	8.880	.097
	Error	.224	2	.112[c]		
RegAir * Varietas * Kelompok	Hypothesis	.224	2	.112	.138	.873
	Error	6.467	8	.808[d]		
Tanah	Hypothesis	32.060	2	16.030	19.831	.001
	Error	6.467	8	.808[d]		
RegAir * Tanah	Hypothesis	17.491	2	8.746	10.819	.005
	Error	6.467	8	.808[d]		
Varietas * Tanah	Hypothesis	16.912	2	8.456	10.461	.006
	Error	6.467	8	.808[d]		
RegAir * Varietas * Tanah	Hypothesis	4.921	2	2.460	3.044	.104
	Error	6.467	8	.808[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 11. Data hasil pengamatan dan analisis sidik ragam emisi N_2O pada 60 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- µg m^{-2} jam^{-1} ----------		
Flooding	IR 64	Alfisol-25	9,0498	8,6900	17,7398
		Inceptisol-15	4,3334	4,9188	9,2522
		Vertisol-63	3,1764	2,1311	5,3075
	Inpari 32	Alfisol-25	4,1708	4,4480	8,6188
		Inceptisol-15	5,2345	6,9497	12,1842
		Vertisol-63	3,5229	2,2001	5,7230
Intermittent	IR 64	Alfisol-25	4,3783	4,1599	8,5382
		Inceptisol-15	1,7352	1,7426	3,4778
		Vertisol-63	1,9601	1,4558	3,4159
	Inpari 32	Alfisol-25	3,0984	3,0685	6,1669
		Inceptisol-15	2,9155	4,3932	7,3087
		Vertisol-63	1,3066	1,5215	2,8281
Total Kelompok			44,8819	45,6792	90,5611

Tests of Between-Subjects Effects

Dependent Variable: N2O60

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	341.721	1	341.721	12901.489	.006
	Error	.026	1	.026[a]		
Kelompok	Hypothesis	.026	1	.026	.528	.600
	Error	.050	1	.050[b]		
RegAir	Hypothesis	30.578	1	30.578	609.264	.026
	Error	.050	1	.050[b]		
RegAir * Kelompok	Hypothesis	.050	1	.050	.153	.733
	Error	.656	2	.328[c]		
Varietas	Hypothesis	1.001	1	1.001	3.052	.223
	Error	.656	2	.328[c]		
RegAir * Varietas	Hypothesis	1.840	1	1.840	5.609	.141
	Error	.656	2	.328[c]		
RegAir * Varietas * Kelompok	Hypothesis	.656	2	.328	.709	.521
	Error	3.700	8	.463[d]		
Tanah	Hypothesis	36.148	2	18.074	39.075	.000
	Error	3.700	8	.463[d]		
RegAir * Tanah	Hypothesis	3.439	2	1.720	3.718	.072
	Error	3.700	8	.463[d]		
Varietas * Tanah	Hypothesis	21.229	2	10.614	22.948	.000
	Error	3.700	8	.463[d]		
RegAir * Varietas * Tanah	Hypothesis	4.082	2	2.041	4.412	.051
	Error	3.700	8	.463[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 12. Data hasil pengamatan dan analisis sidik ragam emisi N_2O pada 90 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- µg m^{-2} jam^{-1} ----------		
Flooding	IR 64	Alfisol-25	3,4679	3,2915	6,7594
		Inceptisol-15	2,2932	6,6543	8,9475
		Vertisol-63	1,4761	2,4724	3,9485
	Inpari 32	Alfisol-25	6,7448	7,0559	13,8007
		Inceptisol-15	2,7087	3,2869	5,9956
		Vertisol-63	5,0919	2,2915	7,3834
Intermittent	IR 64	Alfisol-25	0,9964	0,9341	1,9305
		Inceptisol-15	1,2065	1,9062	3,1127
		Vertisol-63	1,6770	2,2277	3,9047
	Inpari 32	Alfisol-25	4,4691	3,6087	8,0778
		Inceptisol-15	1,3249	2,4843	3,8092
		Vertisol-63	1,6052	1,1482	2,7534
Total Kelompok			33,0617	37,3617	70,4234

Tests of Between-Subjects Effects

Dependent Variable: N2O90

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	206.644	1	206.644	268.224	.039
	Error	.770	1	.770[a]		
Kelompok	Hypothesis	.770	1	.770	3.686	.306
	Error	.209	1	.209[b]		
RegAir	Hypothesis	22.517	1	22.517	107.723	.061
	Error	.209	1	.209[b]		
RegAir * Kelompok	Hypothesis	.209	1	.209	.096	.786
	Error	4.342	2	2.171[c]		
Varietas	Hypothesis	7.278	1	7.278	3.352	.209
	Error	4.342	2	2.171[c]		
RegAir * Varietas	Hypothesis	.140	1	.140	.064	.823
	Error	4.342	2	2.171[c]		
RegAir * Varietas * Kelompok	Hypothesis	4.342	2	2.171	1.673	.247
	Error	10.381	8	1.298[d]		
Tanah	Hypothesis	10.374	2	5.187	3.997	.063
	Error	10.381	8	1.298[d]		
RegAir * Tanah	Hypothesis	2.173	2	1.087	.837	.468
	Error	10.381	8	1.298[d]		
Varietas * Tanah	Hypothesis	15.752	2	7.876	6.069	.025
	Error	10.381	8	1.298[d]		
RegAir * Varietas * Tanah	Hypothesis	4.253	2	2.127	1.639	.253
	Error	10.381	8	1.298[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 13. Data hasil perhitungan dan analisis sidik ragam total emisi N_2O per musim

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- mg m^{-2} $musim^{-1}$ ----------		
Flooding	IR 64	Alfisol-25	129,68	125,01	254,69
		Inceptisol-15	112,00	173,72	285,72
		Vertisol-63	64,48	56,81	121,29
	Inpari 32	Alfisol-25	100,49	113,29	213,78
		Inceptisol-15	95,70	132,65	228,35
		Vertisol-63	98,74	62,08	160,82
Intermittent	IR 64	Alfisol-25	108,91	103,52	212,44
		Inceptisol-15	89,22	73,00	162,22
		Vertisol-63	44,33	50,29	94,62
	Inpari 32	Alfisol-25	92,06	71,60	163,66
		Inceptisol-15	64,64	88,15	152,79
		Vertisol-63	48,46	45,02	93,48
Total Kelompok			1048,71	1095,15	2143,86

Tests of Between-Subjects Effects

Dependent Variable: TONOKS

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	191503.868	1	191503.868	2132.021	.014
	Error	89.823	1	89.823[a]		
Kelompok	Hypothesis	89.823	1	89.823	.350	.660
	Error	256.826	1	256.826[b]		
RegAir	Hypothesis	6190.488	1	6190.488	24.104	.128
	Error	256.826	1	256.826[b]		
RegAir * Kelompok	Hypothesis	256.826	1	256.826	3.977	.184
	Error	129.153	2	64.576[c]		
Varietas	Hypothesis	581.052	1	581.052	8.998	.095
	Error	129.153	2	64.576[c]		
RegAir * Varietas	Hypothesis	.015	1	.015	.000	.989
	Error	129.153	2	64.576[c]		
RegAir * Varietas * Kelompok	Hypothesis	129.153	2	64.576	.145	.867
	Error	3561.160	8	445.145[d]		
Tanah	Hypothesis	11215.218	2	5607.609	12.597	.003
	Error	3561.160	8	445.145[d]		
RegAir * Tanah	Hypothesis	934.116	2	467.058	1.049	.394
	Error	3561.160	8	445.145[d]		
Varietas * Tanah	Hypothesis	1166.265	2	583.132	1.310	.322
	Error	3561.160	8	445.145[d]		
RegAir * Varietas * Tanah	Hypothesis	501.745	2	250.872	.564	.590
	Error	3561.160	8	445.145[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 14. Data hasil pengamatan dan analisis sidik ragam potensial oksidasi reduksi pada 30 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- mV ----------		
Flooding	IR 64	Alfisol-25	-78	-68	-146
		Inceptisol-15	-1	-60	-61
		Vertisol-63	-16	-25	-41
	Inpari 32	Alfisol-25	-48	-24	-72
		Inceptisol-15	-80	-2	-82
		Vertisol-63	-48	-39	-87
Intermittent	IR 64	Alfisol-25	236	244	480
		Inceptisol-15	215	274	489
		Vertisol-63	251	238	489
	Inpari 32	Alfisol-25	244	236	480
		Inceptisol-15	254	215	469
		Vertisol-63	272	244	516
	Total Kelompok		1201	1233	2434

Tests of Between-Subjects Effects

Dependent Variable: ORP1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	246848.167	1	246848.167	5785.504	.008
	Error	42.667	1	42.667[a]		
Kelompok	Hypothesis	42.667	1	42.667	.187	.740
	Error	228.167	1	228.167[b]		
RegAir	Hypothesis	485072.667	1	485072.667	2125.958	.014
	Error	228.167	1	228.167[b]		
RegAir * Kelompok	Hypothesis	228.167	1	228.167	.121	.761
	Error	3766.833	2	1883.417[c]		
Varietas	Hypothesis	8.167	1	8.167	.004	.953
	Error	3766.833	2	1883.417[c]		
RegAir * Varietas	Hypothesis	.000	1	.000	.000	1.000
	Error	3766.833	2	1883.417[c]		
RegAir * Varietas * Kelompok	Hypothesis	3766.833	2	1883.417	3.583	.077
	Error	4205.333	8	525.667[d]		
Tanah	Hypothesis	1141.583	2	570.792	1.086	.383
	Error	4205.333	8	525.667[d]		
RegAir * Tanah	Hypothesis	374.083	2	187.042	.356	.711
	Error	4205.333	8	525.667[d]		
Varietas * Tanah	Hypothesis	931.583	2	465.792	.886	.449
	Error	4205.333	8	525.667[d]		
RegAir * Varietas * Tanah	Hypothesis	1350.750	2	675.375	1.285	.328
	Error	4205.333	8	525.667[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 15. Data hasil pengamatan dan analisis sidik ragam potensial oksidasi reduksi pada 60 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- mV ----------		
Flooding	IR 64	Alfisol-25	-92	-81	-173
		Inceptisol-15	-42	-72	-114
		Vertisol-63	-53	-78	-131
	Inpari 32	Alfisol-25	-8	-88	-96
		Inceptisol-15	-91	-86	-177
		Vertisol-63	-69	-45	-114
Intermittent	IR 64	Alfisol-25	279	286	565
		Inceptisol-15	276	291	567
		Vertisol-63	286	279	565
	Inpari 32	Alfisol-25	298	289	587
		Inceptisol-15	295	272	567
		Vertisol-63	278	266	544
	Total Kelompok		1357	1233	2590

Tests of Between-Subjects Effects

Dependent Variable: ORP2

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	279504.167	1	279504.167	436.271	.030
	Error	640.667	1	640.667[a]		
Kelompok	Hypothesis	640.667	1	640.667	3.530	.311
	Error	181.500	1	181.500[b]		
RegAir	Hypothesis	735000.000	1	735000.000	4049.587	.010
	Error	181.500	1	181.500[b]		
RegAir * Kelompok	Hypothesis	181.500	1	181.500	1.234	.382
	Error	294.167	2	147.083[c]		
Varietas	Hypothesis	42.667	1	42.667	.290	.644
	Error	294.167	2	147.083[c]		
RegAir * Varietas	Hypothesis	37.500	1	37.500	.255	.664
	Error	294.167	2	147.083[c]		
RegAir * Varietas * Kelompok	Hypothesis	294.167	2	147.083	.314	.739
	Error	3745.667	8	468.208[d]		
Tanah	Hypothesis	100.083	2	50.042	.107	.900
	Error	3745.667	8	468.208[d]		
RegAir * Tanah	Hypothesis	397.750	2	198.875	.425	.668
	Error	3745.667	8	468.208[d]		
Varietas * Tanah	Hypothesis	1680.583	2	840.292	1.795	.227
	Error	3745.667	8	468.208[d]		
RegAir * Varietas * Tanah	Hypothesis	1017.250	2	508.625	1.086	.382
	Error	3745.667	8	468.208[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 16. Data hasil pengamatan dan analisis sidik ragam potensial oksidasi reduksi pada 90 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- mV ----------		
Flooding	IR 64	Alfisol-25	-21	-21	-42
		Inceptisol-15	-36	-44	-80
		Vertisol-63	-39	-53	-92
	Inpari 32	Alfisol-25	-15	-61	-76
		Inceptisol-15	-60	-72	-132
		Vertisol-63	-53	-95	-148
Intermittent	IR 64	Alfisol-25	229	239	468
		Inceptisol-15	235	179	414
		Vertisol-63	239	248	487
	Inpari 32	Alfisol-25	276	281	557
		Inceptisol-15	202	263	465
		Vertisol-63	235	190	425
	Total Kelompok		1192	1054	2246

Tests of Between-Subjects Effects

Dependent Variable: ORP3

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	249288.167	1	249288.167	1556.430	.016
	Error	160.167	1	160.167[a]		
Kelompok	Hypothesis	160.167	1	160.167	.041	.873
	Error	3901.500	1	3901.500[b]		
RegAir	Hypothesis	535808.167	1	535808.167	137.334	.054
	Error	3901.500	1	3901.500[b]		
RegAir * Kelompok	Hypothesis	3901.500	1	3901.500	9.911	.088
	Error	787.333	2	393.667[c]		
Varietas	Hypothesis	170.667	1	170.667	.434	.578
	Error	787.333	2	393.667[c]		
RegAir * Varietas	Hypothesis	2016.667	1	2016.667	5.123	.152
	Error	787.333	2	393.667[c]		
RegAir * Varietas * Kelompok	Hypothesis	787.333	2	393.667	1.813	.224
	Error	1737.000	8	217.125[d]		
Tanah	Hypothesis	1577.083	2	788.542	3.632	.075
	Error	1737.000	8	217.125[d]		
RegAir * Tanah	Hypothesis	746.083	2	373.042	1.718	.239
	Error	1737.000	8	217.125[d]		
Varietas * Tanah	Hypothesis	1523.083	2	761.542	3.507	.081
	Error	1737.000	8	217.125[d]		
RegAir * Varietas * Tanah	Hypothesis	980.083	2	490.042	2.257	.167
	Error	1737.000	8	217.125[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 17. Data hasil pengamatan dan analisis sidik ragam kelimpahan mikroba pada 60 HST

Regim Air	Varietas	Tanah/Kand Liat (g 100g^{-1})	Kelompok		Total Perlakuan
			1	2	
			---------- CFU/g x 10^{-6} ----------		
Flooding	IR 64	Alfisol-25	1,09	4,09	5,18
		Inceptisol-15	1,91	5,09	7,00
		Vertisol-63	4,09	3,55	7,64
	Inpari 32	Alfisol-25	12,36	6,91	19,27
		Inceptisol-15	11,55	27,72	39,27
		Vertisol-63	17,73	5,09	22,82
Intermittent	IR 64	Alfisol-25	2150,00	4,00	2154,00
		Inceptisol-15	3700,00	12,00	3712,00
		Vertisol-63	17,00	2010,00	2027,00
	Inpari 32	Alfisol-25	4,00	28,18	32,18
		Inceptisol-15	15,00	10,00	25,00
		Vertisol-63	4,00	222,73	226,73
Total Kelompok			5938,73	2339,36	8278,09

Tests of Between-Subjects Effects

Dependent Variable: Mikro60

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	2855282.252	1	2855282.252	5.289	.261
	Error	539811.017	1	539811.017[a]		
Kelompok	Hypothesis	539811.017	1	539811.017	.996	.501
	Error	542044.932	1	542044.932[b]		
RegAir	Hypothesis	2717392.293	1	2717392.293	5.013	.267
	Error	542044.932	1	542044.932[b]		
RegAir * Kelompok	Hypothesis	542044.932	1	542044.932	.782	.470
	Error	1386463.662	2	693231.831[c]		
Varietas	Hypothesis	2373562.958	1	2373562.958	3.424	.205
	Error	1386463.662	2	693231.831[c]		
RegAir * Varietas	Hypothesis	2451606.858	1	2451606.858	3.536	.201
	Error	1386463.662	2	693231.831[c]		
RegAir * Varietas * Kelompok	Hypothesis	1386463.662	2	693231.831	.641	.552
	Error	8645496.304	8	1080687.04[d]		
Tanah	Hypothesis	196910.354	2	98455.177	.091	.914
	Error	8645496.304	8	1080687.04[d]		
RegAir * Tanah	Hypothesis	187294.459	2	93647.230	.087	.918
	Error	8645496.304	8	1080687.04[d]		
Varietas * Tanah	Hypothesis	249702.471	2	124851.235	.116	.892
	Error	8645496.304	8	1080687.04[d]		
RegAir * Varietas * Tanah	Hypothesis	259760.587	2	129880.294	.120	.888
	Error	8645496.304	8	1080687.04[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 18. Data hasil pengamatan dan analisis sidik ragam kelimpahan mikroba pada 90 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- CFU/g x 10^{-6} ----------		
Flooding	IR 64	Alfisol-25	360,00	140,00	500,00
		Inceptisol-15	1550,00	160,00	1710,00
		Vertisol-63	110,00	270,00	380,00
	Inpari 32	Alfisol-25	2610,00	90,00	2700,00
		Inceptisol-15	100,00	545,45	645,45
		Vertisol-63	1127,00	60,00	1187,00
Intermittent	IR 64	Alfisol-25	10,00	1190,00	1200,00
		Inceptisol-15	20,00	52,00	72,00
		Vertisol-63	450,00	53,00	503,00
	Inpari 32	Alfisol-25	660,00	57,27	717,27
		Inceptisol-15	150,00	4,00	154,00
		Vertisol-63	620,00	21,89	641,89
Total Kelompok			7767,00	2643,61	10410,61

Tests of Between-Subjects Effects

Dependent Variable: Mikro90

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	4515866.691	1	4515866.691	4.129	.291
	Error	1093713.546	1	1093713.55[a]		
Kelompok	Hypothesis	1093713.546	1	1093713.546	1.593	.427
	Error	686718.554	1	686718.554[b]		
RegAir	Hypothesis	612574.159	1	612574.159	.892	.518
	Error	686718.554	1	686718.554[b]		
RegAir * Kelompok	Hypothesis	686718.554	1	686718.554	2.187	.277
	Error	627907.799	2	313953.900[c]		
Varietas	Hypothesis	117685.416	1	117685.416	.375	.603
	Error	627907.799	2	313953.900[c]		
RegAir * Varietas	Hypothesis	202453.934	1	202453.934	.645	.506
	Error	627907.799	2	313953.900[c]		
RegAir * Varietas * Kelompok	Hypothesis	627907.799	2	313953.900	.701	.524
	Error	3585051.466	8	448131.433[d]		
Tanah	Hypothesis	509718.775	2	254859.388	.569	.588
	Error	3585051.466	8	448131.433[d]		
RegAir * Tanah	Hypothesis	182192.142	2	91096.071	.203	.820
	Error	3585051.466	8	448131.433[d]		
Varietas * Tanah	Hypothesis	483455.665	2	241727.833	.539	.603
	Error	3585051.466	8	448131.433[d]		
RegAir * Varietas * Tanah	Hypothesis	917294.582	2	458647.291	1.023	.402
	Error	3585051.466	8	448131.433[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 19. Data hasil pengamatan dan analisis sidik ragam volume akar

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok			Total Perlakuan
			1	2	3	
			---------- cm^3 ----------			
Flooding	IR 64	Alfisol-25	61,50	95,00	85,00	241,50
		Inceptisol-15	55,00	36,33	43,00	134,33
		Vertisol-63	81,68	78,83	76,30	236,81
	Inpari 32	Alfisol-25	40,00	45,00	46,48	131,48
		Inceptisol-15	79,00	47,00	50,00	176,00
		Vertisol-63	78,50	135,00	48,30	261,80
Intermittent	IR 64	Alfisol-25	55,00	59,00	53,30	167,30
		Inceptisol-15	41,00	36,33	40,00	117,33
		Vertisol-63	78,33	84,00	62,50	224,83
	Inpari 32	Alfisol-25	58,33	70,00	41,30	169,63
		Inceptisol-15	75,00	57,30	30,00	162,30
		Vertisol-63	65,00	75,80	38,33	179,13
Total Kelompok			768,34	819,59	614,51	2202,44

Tests of Between-Subjects Effects

Dependent Variable: Vol_Akar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	134681.660	1	134681.660	142.411	.007
	Error	1891.450	2	945.725[a]		
Kelompok	Hypothesis	1891.450	2	945.725	12.345	.075
	Error	153.211	2	76.606[b]		
RegAir	Hypothesis	719.134	1	719.134	9.387	.092
	Error	153.211	2	76.606[b]		
RegAir * Kelompok	Hypothesis	153.211	2	76.606	.283	.768
	Error	1083.878	4	270.970[c]		
Varietas	Hypothesis	47.289	1	47.289	.175	.698
	Error	1083.878	4	270.970[c]		
RegAir * Varietas	Hypothesis	54.908	1	54.908	.203	.676
	Error	1083.878	4	270.970[c]		
RegAir * Varietas * Kelompok	Hypothesis	1083.878	4	270.970	.934	.469
	Error	4644.214	16	290.263[d]		
Tanah	Hypothesis	4131.281	2	2065.641	7.116	.006
	Error	4644.214	16	290.263[d]		
RegAir * Tanah	Hypothesis	206.393	2	103.196	.356	.706
	Error	4644.214	16	290.263[d]		
Varietas * Tanah	Hypothesis	1578.717	2	789.359	2.719	.096
	Error	4644.214	16	290.263[d]		
RegAir * Varietas * Tanah	Hypothesis	1420.211	2	710.105	2.446	.118
	Error	4644.214	16	290.263[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 20. Data hasil pengamatan dan analisis sidik ragam tinggi tanaman pada 30 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok			Total Perlakuan
			1	2	3	
			---------- cm ----------			
Flooding	IR 64	Alfisol-25	46,25	43,50	45,20	134,95
		Inceptisol-15	49,25	47,25	51,25	147,75
		Vertisol-63	55,25	39,00	55,35	149,60
	Inpari 32	Alfisol-25	43,15	45,00	50,00	138,15
		Inceptisol-15	47,80	46,00	54,00	147,80
		Vertisol-63	55,40	53,40	54,25	163,05
Intermittent	IR 64	Alfisol-25	42,75	43,75	52,25	138,75
		Inceptisol-15	46,00	46,25	50,75	143,00
		Vertisol-63	57,25	55,50	56,50	169,25
	Inpari 32	Alfisol-25	45,50	44,25	44,50	134,25
		Inceptisol-15	54,00	45,80	45,00	144,80
		Vertisol-63	54,10	53,25	57,00	164,35
Total Kelompok			596,70	562,95	616,05	1775,70

Tests of Between-Subjects Effects

Dependent Variable: TT4

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	87586.403	1	87586.403	1455.362	.001
	Error	120.364	2	60.182[a]		
Kelompok	Hypothesis	120.364	2	60.182	8.021	.111
	Error	15.006	2	7.503[b]		
RegAir	Hypothesis	4.767	1	4.767	.635	.509
	Error	15.006	2	7.503[b]		
RegAir * Kelompok	Hypothesis	15.006	2	7.503	.456	.663
	Error	65.828	4	16.457[c]		
Varietas	Hypothesis	2.300	1	2.300	.140	.727
	Error	65.828	4	16.457[c]		
RegAir * Varietas	Hypothesis	16.402	1	16.402	.997	.375
	Error	65.828	4	16.457[c]		
RegAir * Varietas * Kelompok	Hypothesis	65.828	4	16.457	1.473	.257
	Error	178.709	16	11.169[d]		
Tanah	Hypothesis	427.055	2	213.528	19.117	.000
	Error	178.709	16	11.169[d]		
RegAir * Tanah	Hypothesis	36.814	2	18.407	1.648	.223
	Error	178.709	16	11.169[d]		
Varietas * Tanah	Hypothesis	4.218	2	2.109	.189	.830
	Error	178.709	16	11.169[d]		
RegAir * Varietas * Tanah	Hypothesis	16.854	2	8.427	.754	.486
	Error	178.709	16	11.169[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 21. Data hasil pengamatan dan analisis sidik ragam tinggi tanaman pada 60 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok			Total Perlakuan
			1	2	3	
			---------- cm ----------			
Flooding	IR 64	Alfisol-25	64,50	69,25	68,00	201,75
		Inceptisol-15	77,50	73,75	81,75	233,00
		Vertisol-63	87,50	81,50	81,50	250,50
	Inpari 32	Alfisol-25	72,50	70,00	73,25	215,75
		Inceptisol-15	76,25	79,50	80,75	236,50
		Vertisol-63	85,50	86,75	83,00	255,25
Intermittent	IR 64	Alfisol-25	67,00	75,75	73,25	216,00
		Inceptisol-15	77,25	78,75	78,25	234,25
		Vertisol-63	81,65	81,50	85,25	248,40
	Inpari 32	Alfisol-25	76,50	72,50	78,75	227,75
		Inceptisol-15	86,75	78,75	74,50	240,00
		Vertisol-63	90,25	83,75	84,50	258,50
Total Kelompok			943,15	931,75	942,75	2817,65

Tests of Between-Subjects Effects

Dependent Variable: TT8

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	220531.987	1	220531.987	63229.942	.000
	Error	6.976	2	3.488[a]		
Kelompok	Hypothesis	6.976	2	3.488	1.881	.347
	Error	3.709	2	1.854[b]		
RegAir	Hypothesis	28.712	1	28.712	15.483	.059
	Error	3.709	2	1.854[b]		
RegAir * Kelompok	Hypothesis	3.709	2	1.854	.083	.922
	Error	89.751	4	22.438[c]		
Varietas	Hypothesis	69.028	1	69.028	3.076	.154
	Error	89.751	4	22.438[c]		
RegAir * Varietas	Hypothesis	.795	1	.795	.035	.860
	Error	89.751	4	22.438[c]		
RegAir * Varietas * Kelompok	Hypothesis	89.751	4	22.438	2.174	.118
	Error	165.121	16	10.320[d]		
Tanah	Hypothesis	957.651	2	478.825	46.397	.000
	Error	165.121	16	10.320[d]		
RegAir * Tanah	Hypothesis	30.701	2	15.350	1.487	.256
	Error	165.121	16	10.320[d]		
Varietas * Tanah	Hypothesis	11.734	2	5.867	.568	.577
	Error	165.121	16	10.320[d]		
RegAir * Varietas * Tanah	Hypothesis	2.434	2	1.217	.118	.890
	Error	165.121	16	10.320[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 22. Data hasil pengamatan dan analisis sidik ragam jumlah anakan pada 30 HST

Regim Air	Varietas	Tanah/Kand Liat (g 100g^{-1})	Kelompok			Total Perlakuan
			1	2	3	
			---------- batang ----------			
Flooding	IR 64	Alfisol-25	15,50	13,50	14,50	43,50
		Inceptisol-15	12,50	14,50	16,50	43,50
		Vertisol-63	26,00	30,00	22,00	78,00
	Inpari 32	Alfisol-25	13,50	17,00	16,50	47,00
		Inceptisol-15	19,50	16,50	17,00	53,00
		Vertisol-63	19,50	22,50	13,00	55,00
Intermittent	IR 64	Alfisol-25	12,00	13,00	16,50	41,50
		Inceptisol-15	12,50	17,00	14,50	44,00
		Vertisol-63	22,50	20,50	19,50	62,50
	Inpari 32	Alfisol-25	14,00	14,00	14,00	42,00
		Inceptisol-15	16,50	17,00	16,50	50,00
		Vertisol-63	18,50	22,50	21,00	62,00
Total Kelompok			202,50	218,00	201,50	622,00

Tests of Between-Subjects Effects

Dependent Variable: JA3

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	10746.778	1	10746.778	1506.851	.001
	Error	14.264	2	7.132[a]		
Kelompok	Hypothesis	14.264	2	7.132	1.578	.388
	Error	9.042	2	4.521[b]		
RegAir	Hypothesis	9.000	1	9.000	1.991	.294
	Error	9.042	2	4.521[b]		
RegAir * Kelompok	Hypothesis	9.042	2	4.521	6.320	.058
	Error	2.861	4	.715[c]		
Varietas	Hypothesis	.444	1	.444	.621	.475
	Error	2.861	4	.715[c]		
RegAir * Varietas	Hypothesis	7.111	1	7.111	9.942	.034
	Error	2.861	4	.715[c]		
RegAir * Varietas * Kelompok	Hypothesis	2.861	4	.715	.104	.979
	Error	109.667	16	6.854[d]		
Tanah	Hypothesis	325.931	2	162.965	23.776	.000
	Error	109.667	16	6.854[d]		
RegAir * Tanah	Hypothesis	1.625	2	.813	.119	.889
	Error	109.667	16	6.854[d]		
Varietas * Tanah	Hypothesis	66.931	2	33.465	4.882	.022
	Error	109.667	16	6.854[d]		
RegAir * Varietas * Tanah	Hypothesis	36.847	2	18.424	2.688	.099
	Error	109.667	16	6.854[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 23. Data hasil pengamatan dan analisis sidik ragam jumlah anakan pada 60 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok			Total Perlakuan
			1	2	3	
			---------- batang ----------			
Flooding	IR 64	Alfisol-25	18,00	18,00	21,50	57,50
		Inceptisol-15	21,00	15,00	24,00	60,00
		Vertisol-63	23,50	25,00	22,00	70,50
	Inpari 32	Alfisol-25	19,50	18,00	17,50	55,00
		Inceptisol-15	19,50	24,50	18,00	62,00
		Vertisol-63	21,00	21,50	23,00	65,50
Intermittent	IR 64	Alfisol-25	20,50	22,50	21,50	64,50
		Inceptisol-15	16,50	17,00	15,50	49,00
		Vertisol-63	21,50	23,00	22,50	67,00
	Inpari 32	Alfisol-25	19,00	20,00	17,00	56,00
		Inceptisol-15	24,50	20,50	16,50	61,50
		Vertisol-63	22,00	25,00	22,00	69,00
Total Kelompok			246,50	250,00	241,00	737,50

Tests of Between-Subjects Effects

Dependent Variable: JA7

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	15108.507	1	15108.507	8808.198	.000
	Error	3.431	2	1.715[a]		
Kelompok	Hypothesis	3.431	2	1.715	.265	.790
	Error	12.931	2	6.465[b]		
RegAir	Hypothesis	.340	1	.340	.053	.840
	Error	12.931	2	6.465[b]		
RegAir * Kelompok	Hypothesis	12.931	2	6.465	.886	.480
	Error	29.194	4	7.299[c]		
Varietas	Hypothesis	.007	1	.007	.001	.977
	Error	29.194	4	7.299[c]		
RegAir * Varietas	Hypothesis	3.674	1	3.674	.503	.517
	Error	29.194	4	7.299[c]		
RegAir * Varietas * Kelompok	Hypothesis	29.194	4	7.299	1.397	.280
	Error	83.611	16	5.226[d]		
Tanah	Hypothesis	85.597	2	42.799	8.190	.004
	Error	83.611	16	5.226[d]		
RegAir * Tanah	Hypothesis	16.014	2	8.007	1.532	.246
	Error	83.611	16	5.226[d]		
Varietas * Tanah	Hypothesis	28.347	2	14.174	2.712	.097
	Error	83.611	16	5.226[d]		
RegAir * Varietas * Tanah	Hypothesis	12.597	2	6.299	1.205	.325
	Error	83.611	16	5.226[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 24. Data hasil pengamatan dan analisis sidik ragam Anakan Produktif

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok			Total Perlakuan
			1	2	3	
			---------- batang ----------			
Flooding	IR 64	Alfisol-25	13,00	14,33	14,33	41,67
		Inceptisol-15	16,00	16,67	20,00	52,67
		Vertisol-63	15,33	21,33	15,00	51,67
	Inpari 32	Alfisol-25	12,67	13,33	12,67	38,67
		Inceptisol-15	10,67	10,33	10,00	31,00
		Vertisol-63	15,67	16,67	14,67	47,00
Intermittent	IR 64	Alfisol-25	11,00	14,33	15,33	40,67
		Inceptisol-15	14,33	15,00	13,00	42,33
		Vertisol-63	14,00	15,33	15,33	44,67
	Inpari 32	Alfisol-25	10,33	12,33	10,33	33,00
		Inceptisol-15	11,67	10,33	9,67	31,67
		Vertisol-63	15,33	13,00	14,33	42,67
Total Kelompok			160,00	173,00	164,67	497,67

Tests of Between-Subjects Effects

Dependent Variable: JAP

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	7482.250	1	7482.250	900.120	.001
	Error	16.625	2	8.313[a]		
Kelompok	Hypothesis	16.625	2	8.313	30.692	.032
	Error	.542	2	.271[b]		
RegAir	Hypothesis	16.000	1	16.000	59.077	.017
	Error	.542	2	.271[b]		
RegAir * Kelompok	Hypothesis	.542	2	.271	.039	.962
	Error	27.444	4	6.861[c]		
Varietas	Hypothesis	87.111	1	87.111	12.696	.024
	Error	27.444	4	6.861[c]		
RegAir * Varietas	Hypothesis	.028	1	.028	.004	.952
	Error	27.444	4	6.861[c]		
RegAir * Varietas * Kelompok	Hypothesis	27.444	4	6.861	1.590	.225
	Error	69.056	16	4.316[d]		
Tanah	Hypothesis	29.167	2	14.583	3.379	.060
	Error	69.056	16	4.316[d]		
RegAir * Tanah	Hypothesis	.500	2	.250	.058	.944
	Error	69.056	16	4.316[d]		
Varietas * Tanah	Hypothesis	18.722	2	9.361	2.169	.147
	Error	69.056	16	4.316[d]		
RegAir * Varietas * Tanah	Hypothesis	19.056	2	9.528	2.208	.142
	Error	69.056	16	4.316[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 25. Data hasil pengamatan dan analisis sidik ragam biomassa tanaman

Regim Air	Varietas	Tanah/Kand Liat (g 100g^{-1})	Kelompok			Total Perlakuan
			1	2	3	
			---------- g ----------			
Flooding	IR 64	Alfisol-25	76,38	91,65	88,08	256,10
		Inceptisol-15	34,20	66,14	72,93	173,26
		Vertisol-63	74,48	122,69	98,77	295,93
	Inpari 32	Alfisol-25	57,01	72,69	79,03	208,72
		Inceptisol-15	58,81	57,95	62,01	178,77
		Vertisol-63	86,74	125,93	96,49	309,15
Intermittent	IR 64	Alfisol-25	67,87	105,30	52,65	225,81
		Inceptisol-15	42,92	46,22	48,11	137,25
		Vertisol-63	77,58	107,71	95,94	281,23
	Inpari 32	Alfisol-25	75,36	64,91	41,97	182,23
		Inceptisol-15	71,48	52,96	50,76	175,19
		Vertisol-63	96,69	89,03	90,20	275,91
Total Kelompok			819,50	1003,13	876,90	2699,52

Tests of Between-Subjects Effects

Dependent Variable: BK_Biomassa

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	202446.004	1	202446.004	275.205	.004
	Error	1471.239	2	735.619[a]		
Kelompok	Hypothesis	1471.239	2	735.619	1.270	.440
	Error	1158.016	2	579.008[b]		
RegAir	Hypothesis	578.563	1	578.563	.999	.423
	Error	1158.016	2	579.008[b]		
RegAir * Kelompok	Hypothesis	1158.016	2	579.008	1.977	.253
	Error	1171.662	4	292.916[c]		
Varietas	Hypothesis	43.560	1	43.560	.149	.719
	Error	1171.662	4	292.916[c]		
RegAir * Varietas	Hypothesis	8.722	1	8.722	.030	.871
	Error	1171.662	4	292.916[c]		
RegAir * Varietas * Kelompok	Hypothesis	1171.662	4	292.916	2.071	.132
	Error	2262.637	16	141.415[d]		
Tanah	Hypothesis	10414.532	2	5207.266	36.823	.000
	Error	2262.637	16	141.415[d]		
RegAir * Tanah	Hypothesis	12.315	2	6.158	.044	.958
	Error	2262.637	16	141.415[d]		
Varietas * Tanah	Hypothesis	808.456	2	404.228	2.858	.087
	Error	2262.637	16	141.415[d]		
RegAir * Varietas * Tanah	Hypothesis	108.845	2	54.422	.385	.687
	Error	2262.637	16	141.415[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 26. Data hasil pengamatan dan analisis sidik ragam produksi gabah kering (KA 12%)

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok			Total Perlakuan
			1	2	3	
			---------- ton ha^{-1} ----------			
Flooding	IR 64	Alfisol-25	7,45	6,57	6,80	20,82
		Inceptisol-15	3,61	5,45	6,19	15,24
		Vertisol-63	8,27	7,67	6,14	22,09
	Inpari 32	Alfisol-25	6,57	5,67	5,66	17,91
		Inceptisol-15	8,26	6,48	3,26	17,99
		Vertisol-63	12,25	6,66	6,55	25,47
Intermittent	IR 64	Alfisol-25	3,26	7,66	6,86	17,78
		Inceptisol-15	4,87	6,55	5,36	16,77
		Vertisol-63	9,38	7,73	10,09	27,20
	Inpari 32	Alfisol-25	5,94	5,99	5,15	17,09
		Inceptisol-15	8,39	7,03	6,46	21,88
		Vertisol-63	9,16	8,72	8,75	26,64
Total Kelompok			87,42	82,18	77,28	246,88

Tests of Between-Subjects Effects

Dependent Variable: Produksi

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	1692.774	1	1692.774	789.987	.001
	Error	4.286	2	2.143[a]		
Kelompok	Hypothesis	4.286	2	2.143	.511	.662
	Error	8.395	2	4.197[b]		
RegAir	Hypothesis	1.707	1	1.707	.407	.589
	Error	8.395	2	4.197[b]		
RegAir * Kelompok	Hypothesis	8.395	2	4.197	.955	.458
	Error	17.585	4	4.396[c]		
Varietas	Hypothesis	1.377	1	1.377	.313	.606
	Error	17.585	4	4.396[c]		
RegAir * Varietas	Hypothesis	.011	1	.011	.002	.963
	Error	17.585	4	4.396[c]		
RegAir * Varietas * Kelompok	Hypothesis	17.585	4	4.396	2.453	.088
	Error	28.678	16	1.792[d]		
Tanah	Hypothesis	45.638	2	22.819	12.731	.000
	Error	28.678	16	1.792[d]		
Varietas * Tanah	Hypothesis	5.509	2	2.754	1.537	.245
	Error	28.678	16	1.792[d]		
RegAir * Varietas * Tanah	Hypothesis	7.431	4	1.858	1.036	.419
	Error	28.678	16	1.792[d]		

a. MS(Kelompok)

b. MS(RegAir * Kelompok)

c. MS(RegAir * Varietas * Kelompok)

d. MS(Error)

Lampiran 27. *Layout* percobaan 3

Keterangan: Layout Percobaan III, dimana percobaan didesain berdasarkan rancangan petak-petak terpisah; dengan petak utama adalah varietas padi, yaitu: IR 64 (V1) dan Inpari 32 (V2); anak petak adalah regim air, yaitu: penggenangan secara terus menerus setinggi 2 cm (A1) dan pemberian air secara berselang, *Intermittent* (A2); sedangkan sebagai anak petak adalah varietas padi, yaitu:, sedangkan anak-anak petak adalah pemberian bahan organik, yaitu: tanpa bahan organik (B0), ampas tebu (B1), dan blotong (B2), sehingga diperoleh 12 kombinasi perlakukan yang diulang sebanyak 3 kali.

Lampiran 28. Data hasil pengamatan dan analisis sidik ragam emisi CH_4 pada 30 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok		Total Perlakuan
			1	2	
IR 64	*Flooding*	Tanpa BO	0,9558	0,4001	1,3559
		Ampas Tebu	1,0059	1,2653	2,2712
		Blotong	1,5287	5,1073	6,6360
	Intermittent	Tanpa BO	0,1066	0,0534	0,1600
		Ampas Tebu	0,3034	0,7681	1,0715
		Blotong	0,8204	0,1608	0,9812
Inpari 32	*Flooding*	Tanpa BO	4,0997	4,6313	8,7310
		Ampas Tebu	5,3193	4,7561	10,0754
		Blotong	0,8027	0,7716	1,5743
	Intermittent	Tanpa BO	0,2278	0,2272	0,4550
		Ampas Tebu	0,6481	0,5067	1,1548
		Blotong	0,0350	0,2271	0,2621
Total Kelompok			15,8534	18,8750	34,7284

Tests of Between-Subjects Effects

Dependent Variable: Methana30

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	50.253	1	50.253	132.098	.055
	Error	.380	1	.380[a]		
Kelompok	Hypothesis	.380	1	.380	.984	.503
	Error	.387	1	.387[b]		
Varietas	Hypothesis	3.983	1	3.983	10.297	.192
	Error	.387	1	.387[b]		
Varietas * Kelompok	Hypothesis	.387	1	.387	.744	.479
	Error	1.040	2	.520[c]		
RegimAir	Hypothesis	29.391	1	29.391	56.538	.017
	Error	1.040	2	.520[c]		
Varietas * RegimAir	Hypothesis	4.557	1	4.557	8.767	.098
	Error	1.040	2	.520[c]		
Varietas * RegimAir * Kelompok	Hypothesis	1.040	2	.520	.764	.497
	Error	5.440	8	.680[d]		
BhnOrg	Hypothesis	1.781	2	.891	1.310	.322
	Error	5.440	8	.680[d]		
Varietas * BhnOrg	Hypothesis	15.325	2	7.662	11.268	.005
	Error	5.440	8	.680[d]		
RegimAir * BhnOrg	Hypothesis	.693	2	.347	.510	.619
	Error	5.440	8	.680[d]		
Varietas * RegimAir * BhnOrg	Hypothesis	11.517	2	5.759	8.469	.011
	Error	5.440	8	.680[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * RegimAir * Kelompok)

d. MS(Error)

Lampiran 29. Data hasil pengamatan dan analisis sidik ragam emisi CH_4 pada 60 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok		Total Perlakuan
			1	2	
IR 64	*Flooding*	Tanpa BO	2,9354	3,4224	6,3578
		Ampas Tebu	3,9993	6,5476	10,5469
		Blotong	11,7162	12,2181	23,9343
	Intermittent	Tanpa BO	0,3972	2,3836	2,7808
		Ampas Tebu	1,7771	1,3006	3,0777
		Blotong	0,2716	0,7768	1,0484
Inpari 32	*Flooding*	Tanpa BO	5,1208	4,2902	9,4110
		Ampas Tebu	5,7808	7,8996	13,6804
		Blotong	4,3681	2,9605	7,3286
	Intermittent	Tanpa BO	0,1754	0,2162	0,3916
		Ampas Tebu	1,1426	3,2790	4,4216
		Blotong	1,3080	2,2089	3,5169
Total Kelompok			38,9925	47,5035	86,4960

Tests of Between-Subjects Effects

Dependent Variable: Methana60

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	311.732	1	311.732	103.283	.062
	Error	3.018	1	3.018[a]		
Kelompok	Hypothesis	3.018	1	3.018	10.768	.188
	Error	.280	1	.280[b]		
Varietas	Hypothesis	3.372	1	3.372	12.030	.179
	Error	.280	1	.280[b]		
Varietas * Kelompok	Hypothesis	.280	1	.280	.536	.540
	Error	1.045	2	.523[c]		
RegimAir	Hypothesis	130.769	1	130.769	250.260	.004
	Error	1.045	2	.523[c]		
Varietas * RegimAir	Hypothesis	5.843	1	5.843	11.183	.079
	Error	1.045	2	.523[c]		
Varietas * RegimAir * Kelompok	Hypothesis	1.045	2	.523	.548	.598
	Error	7.631	8	.954[d]		
BhnOrg	Hypothesis	19.394	2	9.697	10.166	.006
	Error	7.631	8	.954[d]		
Varietas * BhnOrg	Hypothesis	24.172	2	12.086	12.670	.003
	Error	7.631	8	.954[d]		
RegimAir * BhnOrg	Hypothesis	13.138	2	6.569	6.887	.018
	Error	7.631	8	.954[d]		
Varietas * RegimAir * BhnOrg	Hypothesis	43.738	2	21.869	22.926	.000
	Error	7.631	8	.954[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * RegimAir * Kelompok)

d. MS(Error)

Lampiran 30. Data hasil pengamatan dan analisis sidik ragam emisi CH_4 pada 90 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok		Total Perlakuan
			1	2	
IR 64	*Flooding*	Tanpa BO	27,9340	10,2713	38,2053
		Ampas Tebu	5,1467	13,9932	19,1399
		Blotong	19,8816	19,5812	39,4628
	Intermittent	Tanpa BO	2,5823	0,1984	2,7807
		Ampas Tebu	0,5997	1,7314	2,3311
		Blotong	0,1944	0,5400	0,7344
Inpari 32	*Flooding*	Tanpa BO	2,7209	5,9387	8,6596
		Ampas Tebu	19,9270	22,4915	42,4185
		Blotong	19,4979	3,4335	22,9314
	Intermittent	Tanpa BO	0,0526	0,8064	0,8590
		Ampas Tebu	18,4041	0,4383	18,8424
		Blotong	0,0878	7,1336	7,2214
Total Kelompok			117,0290	86,5575	203,5865

Tests of Between-Subjects Effects

Dependent Variable: Methana90

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	1726.978	1	1726.978	79.922	.012
	Error	43.216	2	21.608[a]		
Varietas	Hypothesis	.124	1	.124	.006	.947
	Error	43.216	2	21.608[a]		
Varietas * Kelompok	Hypothesis	43.216	2	21.608	7.692	.115
	Error	5.618	2	2.809[b]		
RegimAir	Hypothesis	794.058	1	794.058	282.677	.004
	Error	5.618	2	2.809[b]		
Varietas * RegimAir	Hypothesis	80.209	1	80.209	28.554	.033
	Error	5.618	2	2.809[b]		
Varietas * RegimAir * Kelompok	Hypothesis	5.618	2	2.809	.047	.954
	Error	473.857	8	59.232[c]		
BhnOrg	Hypothesis	66.073	2	33.036	.558	.593
	Error	473.857	8	59.232[c]		
Varietas * BhnOrg	Hypothesis	334.167	2	167.083	2.821	.118
	Error	473.857	8	59.232[c]		
RegimAir * BhnOrg	Hypothesis	13.804	2	6.902	.117	.891
	Error	473.857	8	59.232[c]		
Varietas * RegimAir * BhnOrg	Hypothesis	87.132	2	43.566	.736	.509
	Error	473.857	8	59.232[c]		

a. MS(Varietas * Kelompok)

b. MS(Varietas * RegimAir * Kelompok)

c. MS(Error)

Lampiran 31. Data hasil perhitungan dan analisis sidik ragam total emisi CH_4 per musim

Varietas	Regim Air	Bahan Organik (BO)	Kelompok		Total Perlakuan
			1	2	
IR 64	*Flooding*	Tanpa BO	280,06	124,03	404,09
		Ampas Tebu	89,34	191,89	281,23
		Blotong	291,51	324,78	616,29
	Intermittent	Tanpa BO	27,16	23,19	50,35
		Ampas Tebu	23,59	33,44	57,03
		Blotong	11,32	13,00	24,32
Inpari 32	*Flooding*	Tanpa BO	105,08	130,77	235,85
		Ampas Tebu	273,04	309,30	582,33
		Blotong	217,08	63,06	280,14
	Intermittent	Tanpa BO	4,01	11,00	15,01
		Ampas Tebu	177,71	37,17	214,89
		Blotong	12,59	84,21	96,80
Total Kelompok			1512,50	1345,84	2858,34

Tests of Between-Subjects Effects

Dependent Variable: Tomet

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	340418.766	1	340418.766	294.181	.037
	Error	1157.176	1	1157.176[a]		
Kelompok	Hypothesis	1157.176	1	1157.176	1.390	.448
	Error	832.493	1	832.493[b]		
Varietas	Hypothesis	2.864	1	2.864	.003	.963
	Error	832.493	1	832.493[b]		
Varietas * Kelompok	Hypothesis	832.493	1	832.493	11.896	.075
	Error	139.966	2	69.983[c]		
RegimAir	Hypothesis	157067.350	1	157067.350	2244.364	.000
	Error	139.966	2	69.983[c]		
Varietas * RegimAir	Hypothesis	6609.125	1	6609.125	94.439	.010
	Error	139.966	2	69.983[c]		
Varietas * RegimAir * Kelompok	Hypothesis	139.966	2	69.983	.014	.987
	Error	41225.897	8	5153.237[d]		
BhnOrg	Hypothesis	12352.599	2	6176.300	1.199	.351
	Error	41225.897	8	5153.237[d]		
Varietas * BhnOrg	Hypothesis	40198.507	2	20099.254	3.900	.066
	Error	41225.897	8	5153.237[d]		
RegimAir * BhnOrg	Hypothesis	3096.316	2	1548.158	.300	.749
	Error	41225.897	8	5153.237[d]		
Varietas * RegimAir * BhnOrg	Hypothesis	19036.415	2	9518.207	1.847	.219
	Error	41225.897	8	5153.237[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * RegimAir * Kelompok)

d. MS(Error)

Lampiran 32. Data hasil pengamatan dan analisis sidik ragam emisi N_2O pada 30 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok		Total Perlakuan
			1	2	
IR 64	*Flooding*	Tanpa BO	2,4104	1,7211	4,1315
		Ampas Tebu	6,4204	4,6233	11,0437
		Blotong	2,8455	2,6203	5,4658
	Intermittent	Tanpa BO	1,4102	1,3459	2,7561
		Ampas Tebu	3,1456	4,4543	7,5999
		Blotong	1,1132	1,7964	2,9096
Inpari 32	*Flooding*	Tanpa BO	2,6355	2,9055	5,5410
		Ampas Tebu	2,1782	2,6634	4,8416
		Blotong	1,6537	1,8730	3,5267
	Intermittent	Tanpa BO	1,8873	1,9065	3,7938
		Ampas Tebu	1,9410	1,9759	3,9169
		Blotong	1,2687	2,1204	3,3891
Total Kelompok			28,9097	30,0060	58,9157

Tests of Between-Subjects Effects

Dependent Variable: N2O30

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	144.627	1	144.627	2888.040	.012
	Error	.050	1	.050[a]		
Kelompok	Hypothesis	.050	1	.050	.169	.751
	Error	.296	1	.296[b]		
Varietas	Hypothesis	3.299	1	3.299	11.152	.185
	Error	.296	1	.296[b]		
Varietas * Kelompok	Hypothesis	.296	1	.296	.330	.624
	Error	1.794	2	.897[c]		
RegimAir	Hypothesis	4.322	1	4.322	4.819	.159
	Error	1.794	2	.897[c]		
Varietas * RegimAir	Hypothesis	.869	1	.869	.968	.429
	Error	1.794	2	.897[c]		
Varietas * RegimAir * Kelompok	Hypothesis	1.794	2	.897	5.232	.035
	Error	1.371	8	.171[d]		
BhnOrg	Hypothesis	11.355	2	5.678	33.119	.000
	Error	1.371	8	.171[d]		
Varietas * BhnOrg	Hypothesis	9.931	2	4.965	28.964	.000
	Error	1.371	8	.171[d]		
RegimAir * BhnOrg	Hypothesis	.189	2	.095	.552	.596
	Error	1.371	8	.171[d]		
Varietas * RegimAir * BhnOrg	Hypothesis	.673	2	.337	1.963	.202
	Error	1.371	8	.171[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * RegimAir * Kelompok)

d. MS(Error)

Lampiran 33. Data hasil pengamatan dan analisis sidik ragam emisi N_2O pada 60 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok		Total Perlakuan
			1	2	
IR 64	*Flooding*	Tanpa BO	1,9394	3,1581	5,0975
		Ampas Tebu	2,7552	1,2477	4,0029
		Blotong	0,3063	0,1162	0,4225
	Intermittent	Tanpa BO	4,6839	9,0504	13,7343
		Ampas Tebu	4,8897	7,2025	12,0922
		Blotong	5,4479	2,7661	8,2140
Inpari 32	*Flooding*	Tanpa BO	2,4180	3,1096	5,5276
		Ampas Tebu	1,0807	1,5879	2,6686
		Blotong	5,6377	4,5382	10,1759
	Intermittent	Tanpa BO	2,9228	2,1221	5,0449
		Ampas Tebu	3,3837	4,8227	8,2064
		Blotong	1,9006	0,2609	2,1615
Total Kelompok			37,3659	39,9824	77,3483

Tests of Between-Subjects Effects

Dependent Variable: N2O60

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	194.643	1	194.643	114.621	.059
	Error	1.698	1	1.698[a]		
Kelompok	Hypothesis	1.698	1	1.698	1.944	.396
	Error	.874	1	.874[b]		
Varietas	Hypothesis	.025	1	.025	.029	.893
	Error	.874	1	.874[b]		
Varietas * Kelompok	Hypothesis	.874	1	.874	.967	.429
	Error	1.806	2	.903[c]		
RegimAir	Hypothesis	6.572	1	6.572	7.277	.114
	Error	1.806	2	.903[c]		
Varietas * RegimAir	Hypothesis	14.224	1	14.224	15.751	.058
	Error	1.806	2	.903[c]		
Varietas * RegimAir * Kelompok	Hypothesis	1.806	2	.903	.397	.685
	Error	18.196	8	2.275[d]		
BhnOrg	Hypothesis	3.308	2	1.654	.727	.513
	Error	18.196	8	2.275[d]		
Varietas * BhnOrg	Hypothesis	5.161	2	2.581	1.135	.368
	Error	18.196	8	2.275[d]		
RegimAir * BhnOrg	Hypothesis	16.736	2	8.368	3.679	.074
	Error	18.196	8	2.275[d]		
Varietas * RegimAir * BhnOrg	Hypothesis	17.820	2	8.910	3.917	.065
	Error	18.196	8	2.275[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * RegimAir * Kelompok)

d. MS(Error)

Lampiran 34. Data hasil pengamatan dan analisis sidik ragam emisi N_2O pada 90 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok		Total Perlakuan
			1	2	
IR 64	*Flooding*	Tanpa BO	1,3567	2,6263	3,9830
		Ampas Tebu	2,6444	2,2813	4,9257
		Blotong	2,8579	2,3439	5,2018
	Intermittent	Tanpa BO	1,9462	3,7417	5,6879
		Ampas Tebu	7,2018	1,7539	8,9557
		Blotong	4,8285	9,2761	14,1046
Inpari 32	*Flooding*	Tanpa BO	8,4947	5,2791	13,7738
		Ampas Tebu	4,6242	5,2340	9,8582
		Blotong	6,0876	2,1884	8,2760
	Intermittent	Tanpa BO	4,6195	6,6423	11,2618
		Ampas Tebu	3,3473	4,9023	8,2496
		Blotong	4,6995	6,2829	10,9824
Total Kelompok			52,7083	52,5522	105,2605

Tests of Between-Subjects Effects

Dependent Variable: N2O90

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	461.657	1	461.657	3444.743	.000
	Error	.268	2	.134[a]		
Varietas	Hypothesis	15.914	1	15.914	118.744	.008
	Error	.268	2	.134[a]		
Varietas * Kelompok	Hypothesis	.268	2	.134	.024	.977
	Error	11.355	2	5.678[b]		
RegimAir	Hypothesis	7.286	1	7.286	1.283	.375
	Error	11.355	2	5.678[b]		
Varietas * RegimAir	Hypothesis	10.736	1	10.736	1.891	.303
	Error	11.355	2	5.678[b]		
Varietas * RegimAir * Kelompok	Hypothesis	11.355	2	5.678	1.369	.308
	Error	33.189	8	4.149[c]		
BhnOrg	Hypothesis	2.730	2	1.365	.329	.729
	Error	33.189	8	4.149[c]		
Varietas * BhnOrg	Hypothesis	15.828	2	7.914	1.908	.210
	Error	33.189	8	4.149[c]		
RegimAir * BhnOrg	Hypothesis	10.375	2	5.188	1.250	.337
	Error	33.189	8	4.149[c]		
Varietas * RegimAir * BhnOrg	Hypothesis	.260	2	.130	.031	.969
	Error	33.189	8	4.149[c]		

a. MS(Varietas * Kelompok)

b. MS(Varietas * RegimAir * Kelompok)

c. MS(Error)

Lampiran 35. Data hasil perhitungan dan analisis sidik ragam total emisi N_2O per musim

Varietas	Regim Air	Bahan Organik (BO)	Kelompok		Total Perlakuan
			1	2	
IR 64	*Flooding*	Tanpa BO	70,75	71,74	142,49
		Ampas Tebu	134,09	66,05	200,13
		Blotong	100,23	44,71	144,94
	Intermittent	Tanpa BO	52,89	124,41	177,30
		Ampas Tebu	50,22	121,78	172,00
		Blotong	104,02	118,01	222,03
Inpari 32	*Flooding*	Tanpa BO	76,31	93,90	170,22
		Ampas Tebu	82,98	76,24	159,23
		Blotong	69,25	102,97	172,21
	Intermittent	Tanpa BO	119,22	83,47	202,69
		Ampas Tebu	69,37	75,68	145,05
		Blotong	117,74	99,39	217,12
Total Kelompok			1047,06	1078,36	2125,42

Tests of Between-Subjects Effects

Dependent Variable: Tonoks

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	188225.424	1	188225.424	4616.959	.009
	Error	40.768	1	40.768[a]		
Kelompok	Hypothesis	40.768	1	40.768	.688	.559
	Error	59.283	1	59.283[b]		
Varietas	Hypothesis	2.419	1	2.419	.041	.873
	Error	59.283	1	59.283[b]		
Varietas * Kelompok	Hypothesis	59.283	1	59.283	.016	.910
	Error	7227.408	2	3613.704[c]		
RegimAir	Hypothesis	900.130	1	900.130	.249	.667
	Error	7227.408	2	3613.704[c]		
Varietas * RegimAir	Hypothesis	17.579	1	17.579	.005	.951
	Error	7227.408	2	3613.704[c]		
Varietas * RegimAir * Kelompok	Hypothesis	7227.408	2	3613.704	8.713	.010
	Error	3318.056	8	414.757[d]		
BhnOrg	Hypothesis	445.809	2	222.905	.537	.604
	Error	3318.056	8	414.757[d]		
Varietas * BhnOrg	Hypothesis	988.565	2	494.282	1.192	.352
	Error	3318.056	8	414.757[d]		
RegimAir * BhnOrg	Hypothesis	1750.130	2	875.065	2.110	.184
	Error	3318.056	8	414.757[d]		
Varietas * RegimAir * BhnOrg	Hypothesis	136.939	2	68.469	.165	.851
	Error	3318.056	8	414.757[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * RegimAir * Kelompok)

d. MS(Error)

Lampiran 36. Data hasil pengamatan dan analisis sidik ragam potensial oksidasi reduksi pada 30 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- mV ----------		
Flooding	IR 64	Alfisol-25	-48	-65	-113
		Inceptisol-15	-39	-63	-102
		Vertisol-63	-39	-36	-75
	Inpari 32	Alfisol-25	243	285	528
		Inceptisol-15	263	277	540
		Vertisol-63	249	274	523
Intermittent	IR 64	Alfisol-25	-42	-43	-85
		Inceptisol-15	-68	-87	-155
		Vertisol-63	-20	-34	-54
	Inpari 32	Alfisol-25	267	226	493
		Inceptisol-15	259	226	485
		Vertisol-63	275	263	538
	Total Kelompok		1300	1223	2523

Tests of Between-Subjects Effects

Dependent Variable: ORP1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	265230.375	1	265230.375	1073.626	.019
	Error	247.042	1	247.042[a]		
Kelompok	Hypothesis	247.042	1	247.042	.223	.719
	Error	1107.042	1	1107.042[b]		
Varietas	Hypothesis	260.042	1	260.042	.235	.713
	Error	1107.042	1	1107.042[b]		
Varietas * Kelompok	Hypothesis	1107.042	1	1107.042	1.575	.336
	Error	1405.417	2	702.708[c]		
RegimAir	Hypothesis	567645.042	1	567645.042	807.796	.001
	Error	1405.417	2	702.708[c]		
Varietas * RegimAir	Hypothesis	210.042	1	210.042	.299	.639
	Error	1405.417	2	702.708[c]		
Varietas * RegimAir * Kelompok	Hypothesis	1405.417	2	702.708	7.963	.013
	Error	706.000	8	88.250[d]		
BhnOrg	Hypothesis	1741.750	2	870.875	9.868	.007
	Error	706.000	8	88.250[d]		
Varietas * BhnOrg	Hypothesis	1366.083	2	683.042	7.740	.013
	Error	706.000	8	88.250[d]		
RegimAir * BhnOrg	Hypothesis	553.083	2	276.542	3.134	.099
	Error	706.000	8	88.250[d]		
Varietas * RegimAir * BhnOrg	Hypothesis	291.083	2	145.542	1.649	.251
	Error	706.000	8	88.250[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * RegimAir * Kelompok)

d. MS(Error)

Lampiran 37. Data hasil pengamatan dan analisis sidik ragam potensial oksidasi reduksi pada 60 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- mV ----------		
Flooding	IR 64	Alfisol-25	-48	-65	-113
		Inceptisol-15	-39	-63	-102
		Vertisol-63	-39	-36	-75
	Inpari 32	Alfisol-25	243	285	528
		Inceptisol-15	263	277	540
		Vertisol-63	249	274	523
Intermittent	IR 64	Alfisol-25	-42	-43	-85
		Inceptisol-15	-68	-87	-155
		Vertisol-63	-20	-34	-54
	Inpari 32	Alfisol-25	267	226	493
		Inceptisol-15	259	226	485
		Vertisol-63	275	263	538
	Total Kelompok		1300	1223	2523

Tests of Between-Subjects Effects

Dependent Variable: ORP2

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	287547.042	1	287547.042	955.174	.021
	Error	301.042	1	301.042[a]		
Kelompok	Hypothesis	301.042	1	301.042	.057	.850
	Error	5251.042	1	5251.042[b]		
Varietas	Hypothesis	1305.375	1	1305.375	.249	.706
	Error	5251.042	1	5251.042[b]		
Varietas * Kelompok	Hypothesis	5251.042	1	5251.042	10.346	.085
	Error	1015.083	2	507.542[c]		
RegimAir	Hypothesis	728365.042	1	728365.042	1435.084	.001
	Error	1015.083	2	507.542[c]		
Varietas * RegimAir	Hypothesis	495.042	1	495.042	.975	.427
	Error	1015.083	2	507.542[c]		
Varietas * RegimAir * Kelompok	Hypothesis	1015.083	2	507.542	.670	.538
	Error	6061.333	8	757.667[d]		
BhnOrg	Hypothesis	183.083	2	91.542	.121	.888
	Error	6061.333	8	757.667[d]		
Varietas * BhnOrg	Hypothesis	2566.750	2	1283.375	1.694	.244
	Error	6061.333	8	757.667[d]		
RegimAir * BhnOrg	Hypothesis	2282.583	2	1141.292	1.506	.278
	Error	6061.333	8	757.667[d]		
Varietas * RegimAir * BhnOrg	Hypothesis	1003.583	2	501.792	.662	.542
	Error	6061.333	8	757.667[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * RegimAir * Kelompok)

d. MS(Error)

Lampiran 38. Data hasil pengamatan dan analisis sidik ragam potensial oksidasi reduksi pada 90 HST

Regim Air	Varietas	Tanah/Kand Liat (g $100g^{-1}$)	Kelompok		Total Perlakuan
			1	2	
			---------- mV ----------		
Flooding	IR 64	Alfisol-25	-48	-65	-113
		Inceptisol-15	-39	-63	-102
		Vertisol-63	-39	-36	-75
	Inpari 32	Alfisol-25	243	285	528
		Inceptisol-15	263	277	540
		Vertisol-63	249	274	523
Intermittent	IR 64	Alfisol-25	-42	-43	-85
		Inceptisol-15	-68	-87	-155
		Vertisol-63	-20	-34	-54
	Inpari 32	Alfisol-25	267	226	493
		Inceptisol-15	259	226	485
		Vertisol-63	275	263	538
	Total Kelompok		1300	1223	2523

Tests of Between-Subjects Effects

Dependent Variable: ORP3

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	266915.042	1	266915.042	280.951	.038
	Error	950.042	1	950.042[a]		
Kelompok	Hypothesis	950.042	1	950.042	.484	.613
	Error	1962.042	1	1962.042[b]		
Varietas	Hypothesis	63.375	1	63.375	.032	.887
	Error	1962.042	1	1962.042[b]		
Varietas * Kelompok	Hypothesis	1962.042	1	1962.042	1.082	.408
	Error	3627.083	2	1813.542[c]		
RegimAir	Hypothesis	525400.042	1	525400.042	289.709	.003
	Error	3627.083	2	1813.542[c]		
Varietas * RegimAir	Hypothesis	459.375	1	459.375	.253	.665
	Error	3627.083	2	1813.542[c]		
Varietas * RegimAir * Kelompok	Hypothesis	3627.083	2	1813.542	4.370	.052
	Error	3320.333	8	415.042[d]		
BhnOrg	Hypothesis	720.583	2	360.292	.868	.456
	Error	3320.333	8	415.042[d]		
Varietas * BhnOrg	Hypothesis	691.750	2	345.875	.833	.469
	Error	3320.333	8	415.042[d]		
RegimAir * BhnOrg	Hypothesis	280.583	2	140.292	.338	.723
	Error	3320.333	8	415.042[d]		
Varietas * RegimAir * BhnOrg	Hypothesis	216.750	2	108.375	.261	.777
	Error	3320.333	8	415.042[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * RegimAir * Kelompok)

d. MS(Error)

Lampiran 39. Data hasil pengamatan dan analisis sidik ragam kelimpahan mikroba pada 60 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok		Total Perlakuan
			1	2	
IR 64	*Flooding*	Tanpa BO	16,00	3,18	19,18
		Ampas Tebu	27500,00	3,00	27503,00
		Blotong	850000,00	32,64	850032,64
	Intermittent	Tanpa BO	13,55	14,36	27,91
		Ampas Tebu	1,09	6,64	7,73
		Blotong	16,09	24,36	40,45
Inpari 32	*Flooding*	Tanpa BO	32,10	168,18	200,28
		Ampas Tebu	27,00	15,40	42,40
		Blotong	15,18	10,27	25,45
	Intermittent	Tanpa BO	2150,00	10,27	2160,27
		Ampas Tebu	4,00	29,09	33,09
		Blotong	4,00	6,90	10,90
Total Kelompok			879779,01	324,29	880103,30

Tests of Between-Subjects Effects

Dependent Variable: Mikro60

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	32274242445	1	32274242445	1.006	.421
	Error	64162041283	2	3.208E+10[a]		
Varietas	Hypothesis	31912601464	1	31912601464	.995	.424
	Error	64162041283	2	3.208E+10[a]		
Varietas * Kelompok	Hypothesis	64162041283	2	32081020641	1.000	.500
	Error	64166404613	2	3.208E+10[b]		
RegimAir	Hypothesis	31940618517	1	31940618517	.996	.424
	Error	64166404613	2	3.208E+10[b]		
Varietas * RegimAir	Hypothesis	32223770666	1	32223770666	1.004	.422
	Error	64166404613	2	3.208E+10[b]		
Varietas * RegimAir * Kelompok	Hypothesis	64166404613	2	32083202307	1.100	.378
	Error	2.333E+11	8	2.916E+10[c]		
BhnOrg	Hypothesis	58157364586	2	29078682293	.997	.411
	Error	2.333E+11	8	2.916E+10[c]		
Varietas * BhnOrg	Hypothesis	58502461516	2	29251230758	1.003	.409
	Error	2.333E+11	8	2.916E+10[c]		
RegimAir * BhnOrg	Hypothesis	58468360961	2	29234180480	1.003	.409
	Error	2.333E+11	8	2.916E+10[c]		
Varietas * RegimAir * BhnOrg	Hypothesis	58178888573	2	29089444286	.998	.410
	Error	2.333E+11	8	2.916E+10[c]		

a. MS(Varietas * Kelompok)

b. MS(Varietas * RegimAir * Kelompok)

c. MS(Error)

Lampiran 40. Data hasil pengamatan dan analisis sidik ragam kelimpahan mikroba pada 90 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok		Total Perlakuan
			1	2	
IR 64	*Flooding*	Tanpa BO	430,00	12,00	442,00
		Ampas Tebu	5,00	16,00	21,00
		Blotong	12,00	6,00	18,00
	Intermittent	Tanpa BO	37,00	9,00	46,00
		Ampas Tebu	16,00	13,00	29,00
		Blotong	110,00	11,00	121,00
Inpari 32	*Flooding*	Tanpa BO	150,00	139,09	289,09
		Ampas Tebu	81,82	20,00	101,82
		Blotong	50,00	54,00	104,00
	Intermittent	Tanpa BO	100,00	16,00	116,00
		Ampas Tebu	440,00	20,00	460,00
		Blotong	46,00	600,00	646,00
Total Kelompok			1477,82	916,09	2393,91

Tests of Between-Subjects Effects

Dependent Variable: Mikro90

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	238783.545	1	238783.545	19.413	.048
	Error	24599.984	2	12299.992[a]		
Varietas	Hypothesis	45058.867	1	45058.867	3.663	.196
	Error	24599.984	2	12299.992[a]		
Varietas * Kelompok	Hypothesis	24599.984	2	12299.992	3.134	.242
	Error	7848.818	2	3924.409[b]		
RegimAir	Hypothesis	8143.482	1	8143.482	2.075	.286
	Error	7848.818	2	3924.409[b]		
Varietas * RegimAir	Hypothesis	42680.257	1	42680.257	10.876	.081
	Error	7848.818	2	3924.409[b]		
Varietas * RegimAir * Kelompok	Hypothesis	7848.818	2	3924.409	.102	.904
	Error	307453.068	8	38431.634[c]		
BhnOrg	Hypothesis	6498.262	2	3249.131	.085	.920
	Error	307453.068	8	38431.634[c]		
Varietas * BhnOrg	Hypothesis	35210.481	2	17605.240	.458	.648
	Error	307453.068	8	38431.634[c]		
RegimAir * BhnOrg	Hypothesis	101103.546	2	50551.773	1.315	.321
	Error	307453.068	8	38431.634[c]		
Varietas * RegimAir * BhnOrg	Hypothesis	2949.231	2	1474.615	.038	.963
	Error	307453.068	8	38431.634[c]		

a. MS(Varietas * Kelompok)

b. MS(Varietas * RegimAir * Kelompok)

c. MS(Error)

Lampiran 41. Data hasil pengamatan dan analisis sidik ragam volume akar

Varietas	Regim Air	Bahan Organik (BO)	Kelompok			Total Perlakuan
			1	2	3	
IR 64	*Flooding*	Tanpa BO	77,67	78,33	71,00	227,00
		Ampas Tebu	63,00	50,00	60,67	173,67
		Blotong	64,67	63,67	42,50	170,84
	Intermittent	Tanpa BO	54,00	53,33	75,33	182,66
		Ampas Tebu	52,00	63,33	48,63	163,96
		Blotong	83,33	80,33	100,00	263,67
Inpari 32	*Flooding*	Tanpa BO	105,00	78,33	61,33	244,67
		Ampas Tebu	68,33	46,83	69,93	185,10
		Blotong	66,63	63,67	80,33	210,63
	Intermittent	Tanpa BO	115,67	58,33	72,27	246,27
		Ampas Tebu	61,00	72,33	78,33	211,67
		Blotong	89,97	63,33	57,00	210,30
Total Kelompok			901,27	771,83	817,33	2490,43

Tests of Between-Subjects Effects

Dependent Variable: Vol_Akar

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	184865.602	1	184865.602	349.088	.003
	Error	1059.135	2	529.568[a]		
Kelompok	Hypothesis	1059.135	2	529.568	3.344	.230
	Error	316.703	2	158.351[b]		
Varietas	Hypothesis	287.077	1	287.077	1.813	.310
	Error	316.703	2	158.351[b]		
Varietas * Kelompok	Hypothesis	316.703	2	158.351	.861	.489
	Error	735.699	4	183.925[c]		
Regim_Air	Hypothesis	228.111	1	228.111	1.240	.328
	Error	735.699	4	183.925[c]		
Varietas * Regim_Air	Hypothesis	61.675	1	61.675	.335	.594
	Error	735.699	4	183.925[c]		
Varietas * Regim_Air * Kelompok	Hypothesis	735.699	4	183.925	.934	.469
	Error	3149.395	16	196.837[d]		
Bahan_Org	Hypothesis	1719.159	2	859.580	4.367	.031
	Error	3149.395	16	196.837[d]		
Varietas * Bahan_Org	Hypothesis	541.879	2	270.939	1.376	.281
	Error	3149.395	16	196.837[d]		
Regim_Air * Bahan_Org	Hypothesis	2283.085	2	1141.543	5.799	.013
	Error	3149.395	16	196.837[d]		
Varietas * Regim_Air * Bahan_Org	Hypothesis	1470.482	2	735.241	3.735	.047
	Error	3149.395	16	196.837[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * Regim_Air * Kelompok)

d. MS(Error)

Lampiran 42. Data hasil pengamatan dan analisis sidik ragam tinggi tanaman pada 30 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok			Total Perlakuan
			1	2	3	
IR 64	*Flooding*	Tanpa BO	57,00	55,75	57,65	170,40
		Ampas Tebu	53,40	49,75	52,25	155,40
		Blotong	57,75	56,00	55,25	169,00
	Intermittent	Tanpa BO	59,33	55,25	53,75	168,33
		Ampas Tebu	49,00	49,75	55,50	154,25
		Blotong	58,50	56,00	57,50	172,00
Inpari 32	*Flooding*	Tanpa BO	56,00	54,50	54,25	164,75
		Ampas Tebu	48,00	32,00	49,00	129,00
		Blotong	47,75	56,50	49,50	153,75
	Intermittent	Tanpa BO	55,50	52,50	54,90	162,90
		Ampas Tebu	46,50	48,00	55,00	149,50
		Blotong	55,25	56,00	53,50	164,75
Total Kelompok			643,98	622,00	648,05	1914,03

Tests of Between-Subjects Effects

Dependent Variable: TT4

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	101764.190	1	101764.190	6218.363	.000
	Error	32.730	2	16.365[a]		
Kelompok	Hypothesis	32.730	2	16.365	7.094	.124
	Error	4.614	2	2.307[b]		
Varietas	Hypothesis	116.388	1	116.388	50.452	.019
	Error	4.614	2	2.307[b]		
Varietas * Kelompok	Hypothesis	4.614	2	2.307	1.480	.330
	Error	6.236	4	1.559[c]		
Regim_Air	Hypothesis	24.059	1	24.059	15.432	.017
	Error	6.236	4	1.559[c]		
Varietas * Regim_Air	Hypothesis	24.784	1	24.784	15.896	.016
	Error	6.236	4	1.559[c]		
Varietas * Regim_Air * Kelompok	Hypothesis	6.236	4	1.559	.086	.986
	Error	289.842	16	18.115[d]		
Bahan_Org	Hypothesis	312.725	2	156.362	8.632	.003
	Error	289.842	16	18.115[d]		
Varietas * Bahan_Org	Hypothesis	16.890	2	8.445	.466	.636
	Error	289.842	16	18.115[d]		
Regim_Air * Bahan_Org	Hypothesis	24.757	2	12.378	.683	.519
	Error	289.842	16	18.115[d]		
Varietas * Regim_Air * Bahan_Org	Hypothesis	19.614	2	9.807	.541	.592
	Error	289.842	16	18.115[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * Regim_Air * Kelompok)

d. MS(Error)

Lampiran 43. Data hasil pengamatan dan analisis sidik ragam tinggi tanaman pada 60 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok			Total Perlakuan
			1	2	3	
IR 64	*Flooding*	Tanpa BO	98,00	91,50	92,00	281,50
		Ampas Tebu	92,50	88,00	86,00	266,50
		Blotong	101,00	90,50	85,50	277,00
	Intermittent	Tanpa BO	93,50	95,00	93,50	282,00
		Ampas Tebu	79,75	89,00	90,50	259,25
		Blotong	98,00	92,50	91,50	282,00
Inpari 32	*Flooding*	Tanpa BO	91,00	89,50	88,50	269,00
		Ampas Tebu	83,50	68,50	83,50	235,50
		Blotong	88,00	83,00	86,50	257,50
	Intermittent	Tanpa BO	90,00	88,00	89,50	267,50
		Ampas Tebu	85,00	79,00	87,50	251,50
		Blotong	89,00	89,50	90,00	268,50
Total Kelompok			1089,25	1044,00	1064,50	3197,75

Tests of Between-Subjects Effects

Dependent Variable: TT8

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	284044.585	1	284044.585	6639.195	.000
	Error	85.566	2	42.783[a]		
Kelompok	Hypothesis	85.566	2	42.783	1.588	.386
	Error	53.899	2	26.950[b]		
Varietas	Hypothesis	270.877	1	270.877	10.051	.087
	Error	53.899	2	26.950[b]		
Varietas * Kelompok	Hypothesis	53.899	2	26.950	.933	.465
	Error	115.549	4	28.887[c]		
Regim_Air	Hypothesis	15.668	1	15.668	.542	.502
	Error	115.549	4	28.887[c]		
Varietas * Regim_Air	Hypothesis	20.627	1	20.627	.714	.446
	Error	115.549	4	28.887[c]		
Varietas * Regim_Air * Kelompok	Hypothesis	115.549	4	28.887	2.106	.127
	Error	219.444	16	13.715[d]		
Bahan_Org	Hypothesis	362.712	2	181.356	13.223	.000
	Error	219.444	16	13.715[d]		
Varietas * Bahan_Org	Hypothesis	5.753	2	2.877	.210	.813
	Error	219.444	16	13.715[d]		
Regim_Air * Bahan_Org	Hypothesis	12.128	2	6.064	.442	.650
	Error	219.444	16	13.715[d]		
Varietas * Regim_Air * Bahan_Org	Hypothesis	27.753	2	13.877	1.012	.386
	Error	219.444	16	13.715[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * Regim_Air * Kelompok)

d. MS(Error)

Lampiran 44. Data hasil pengamatan dan analisis sidik ragam jumlah anakan pada 30 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok			Total Perlakuan
			1	2	3	
IR 64	*Flooding*	Tanpa BO	28,00	20,00	18,00	66,00
		Ampas Tebu	16,50	15,00	13,50	45,00
		Blotong	17,00	22,00	14,00	53,00
	Intermittent	Tanpa BO	15,00	26,00	17,50	58,50
		Ampas Tebu	11,00	14,00	14,50	39,50
		Blotong	22,50	21,00	26,00	69,50
Inpari 32	*Flooding*	Tanpa BO	21,50	15,50	20,00	57,00
		Ampas Tebu	17,00	6,00	19,00	42,00
		Blotong	13,50	22,00	17,50	53,00
	Intermittent	Tanpa BO	21,00	15,00	22,50	58,50
		Ampas Tebu	13,00	13,50	21,00	47,50
		Blotong	21,00	28,00	18,50	67,50
Total Kelompok			217,00	218,00	222,00	657,00

Tests of Between-Subjects Effects

Dependent Variable: JA3

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	11990.250	1	11990.250	20554.714	.000
	Error	1.167	2	.583[a]		
Kelompok	Hypothesis	1.167	2	.583	.026	.975
	Error	45.500	2	22.750[b]		
Varietas	Hypothesis	1.000	1	1.000	.044	.853
	Error	45.500	2	22.750[b]		
Varietas * Kelompok	Hypothesis	45.500	2	22.750	1.395	.347
	Error	65.222	4	16.306[c]		
Regim_Air	Hypothesis	17.361	1	17.361	1.065	.360
	Error	65.222	4	16.306[c]		
Varietas * Regim_Air	Hypothesis	9.000	1	9.000	.552	.499
	Error	65.222	4	16.306[c]		
Varietas * Regim_Air * Kelompok	Hypothesis	65.222	4	16.306	.763	.565
	Error	341.944	16	21.372[d]		
Bahan_Org	Hypothesis	253.500	2	126.750	5.931	.012
	Error	341.944	16	21.372[d]		
Varietas * Bahan_Org	Hypothesis	8.167	2	4.083	.191	.828
	Error	341.944	16	21.372[d]		
Regim_Air * Bahan_Org	Hypothesis	65.722	2	32.861	1.538	.245
	Error	341.944	16	21.372[d]		
Varietas * Regim_Air * Bahan_Org	Hypothesis	8.167	2	4.083	.191	.828
	Error	341.944	16	21.372[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * Regim_Air * Kelompok)

d. MS(Error)

Lampiran 45. Data hasil pengamatan dan analisis sidik ragam jumlah anakan pada 60 HST

Varietas	Regim Air	Bahan Organik (BO)	Kelompok			Total Perlakuan
			1	2	3	
IR 64	*Flooding*	Tanpa BO	28,00	18,50	22,00	68,50
		Ampas Tebu	35,00	22,50	16,00	73,50
		Blotong	28,00	18,50	15,00	61,50
	Intermittent	Tanpa BO	25,50	25,00	20,00	70,50
		Ampas Tebu	23,50	20,00	17,50	61,00
		Blotong	27,00	29,50	30,00	86,50
Inpari 32	*Flooding*	Tanpa BO	23,50	28,00	25,00	76,50
		Ampas Tebu	19,50	21,00	22,00	62,50
		Blotong	18,00	24,50	18,50	61,00
	Intermittent	Tanpa BO	20,50	24,50	22,50	67,50
		Ampas Tebu	20,50	20,50	23,00	64,00
		Blotong	24,00	25,00	18,50	67,50
Total Kelompok			293,00	277,50	250,00	820,50

Tests of Between-Subjects Effects

Dependent Variable: JA7

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	18883.340	1	18883.340	587.681	.002
	Error	64.264	2	32.132[a]		
Kelompok	Hypothesis	64.264	2	32.132	.422	.703
	Error	152.181	2	76.090[b]		
Varietas	Hypothesis	9.507	1	9.507	.125	.758
	Error	152.181	2	76.090[b]		
Varietas * Kelompok	Hypothesis	152.181	2	76.090	2.852	.170
	Error	106.722	4	26.681[c]		
Regim_Air	Hypothesis	2.507	1	2.507	.094	.774
	Error	106.722	4	26.681[c]		
Varietas * Regim_Air	Hypothesis	10.563	1	10.563	.396	.563
	Error	106.722	4	26.681[c]		
Varietas * Regim_Air * Kelompok	Hypothesis	106.722	4	26.681	3.734	.025
	Error	114.333	16	7.146[d]		
Bahan_Org	Hypothesis	24.181	2	12.090	1.692	.215
	Error	114.333	16	7.146[d]		
Varietas * Bahan_Org	Hypothesis	17.931	2	8.965	1.255	.312
	Error	114.333	16	7.146[d]		
Regim_Air * Bahan_Org	Hypothesis	74.681	2	37.340	5.225	.018
	Error	114.333	16	7.146[d]		
Varietas * Regim_Air * Bahan_Org	Hypothesis	58.042	2	29.021	4.061	.037
	Error	114.333	16	7.146[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * Regim_Air * Kelompok)

d. MS(Error)

Lampiran 46. Data hasil pengamatan dan analisis sidik ragam jumlah anakan produktif

Varietas	Regim Air	Bahan Organik (BO)	Kelompok			Total Perlakuan
			1	2	3	
IR 64	*Flooding*	Tanpa BO	17,67	13,67	12,33	43,67
		Ampas Tebu	22,00	23,00	13,00	58,00
		Blotong	17,00	15,67	11,00	43,67
	Intermittent	Tanpa BO	14,33	13,67	12,00	40,00
		Ampas Tebu	10,33	12,67	12,33	35,33
		Blotong	16,33	16,00	14,00	46,33
Inpari 32	*Flooding*	Tanpa BO	14,00	11,00	12,67	37,67
		Ampas Tebu	11,33	9,67	13,00	34,00
		Blotong	10,00	10,00	10,33	30,33
	Intermittent	Tanpa BO	12,00	12,33	14,67	39,00
		Ampas Tebu	11,00	10,00	15,00	36,00
		Blotong	12,33	14,67	13,00	40,00
Total Kelompok			168,33	162,33	153,33	484,00

Tests of Between-Subjects Effects

Dependent Variable: JAP

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	7014.063	1	7014.063	835.422	.001
	Error	16.792	2	8.396[a]		
Kelompok	Hypothesis	16.792	2	8.396	.206	.829
	Error	81.542	2	40.771[b]		
Varietas	Hypothesis	105.063	1	105.063	2.577	.250
	Error	81.542	2	40.771[b]		
Varietas * Kelompok	Hypothesis	81.542	2	40.771	3.802	.119
	Error	42.889	4	10.722[c]		
Regim_Air	Hypothesis	1.174	1	1.174	.109	.757
	Error	42.889	4	10.722[c]		
Varietas * Regim_Air	Hypothesis	39.063	1	39.063	3.643	.129
	Error	42.889	4	10.722[c]		
Varietas * Regim_Air * Kelompok	Hypothesis	42.889	4	10.722	2.413	.092
	Error	71.111	16	4.444[d]		
Bahan_Org	Hypothesis	.667	2	.333	.075	.928
	Error	71.111	16	4.444[d]		
Varietas * Bahan_Org	Hypothesis	12.167	2	6.083	1.369	.283
	Error	71.111	16	4.444[d]		
Regim_Air * Bahan_Org	Hypothesis	67.556	2	33.778	7.600	.005
	Error	71.111	16	4.444[d]		
Varietas * Regim_Air * Bahan_Org	Hypothesis	41.167	2	20.583	4.631	.026
	Error	71.111	16	4.444[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * Regim_Air * Kelompok)

d. MS(Error)

Lampiran 47. Data hasil pengamatan dan analisis sidik ragam biomassa tanaman

Varietas	Regim Air	Bahan Organik (BO)	Kelompok			Total Perlakuan
			1	2	3	
IR 64	*Flooding*	Tanpa BO	139,63	116,58	101,02	357,22
		Ampas Tebu	108,27	111,81	69,63	289,71
		Blotong	114,41	96,01	52,47	262,88
	Intermittent	Tanpa BO	87,55	90,32	81,02	258,89
		Ampas Tebu	65,08	85,58	80,43	231,10
		Blotong	129,12	76,40	111,75	317,27
Inpari 32	*Flooding*	Tanpa BO	82,33	108,54	83,18	274,05
		Ampas Tebu	78,75	65,08	69,57	213,41
		Blotong	42,68	73,74	87,33	203,76
	Intermittent	Tanpa BO	117,00	91,85	117,94	326,79
		Ampas Tebu	89,78	68,37	123,41	281,56
		Blotong	107,80	73,06	72,71	253,58
Total Kelompok			1162,43	1057,33	1050,46	3270,22

Tests of Between-Subjects Effects

Dependent Variable: Biomassa

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	330297.331	1	330297.331	441.057	.002
	Error	1497.755	2	748.878[a]		
Kelompok	Hypothesis	1497.755	2	748.878	.361	.735
	Error	4153.771	2	2076.886[b]		
Varietas	Hypothesis	3085.988	1	3085.988	1.486	.347
	Error	4153.771	2	2076.886[b]		
Varietas * Kelompok	Hypothesis	4153.771	2	2076.886	1.910	.262
	Error	4350.326	4	1087.582[c]		
Regim_Air	Hypothesis	316.188	1	316.188	.291	.618
	Error	4350.326	4	1087.582[c]		
Varietas * Regim_Air	Hypothesis	4104.751	1	4104.751	3.774	.124
	Error	4350.326	4	1087.582[c]		
Varietas * Regim_Air * Kelompok	Hypothesis	4350.326	4	1087.582	1.881	.163
	Error	9252.584	16	578.286[d]		
Bahan_Org	Hypothesis	2240.811	2	1120.406	1.937	.176
	Error	9252.584	16	578.286[d]		
Varietas * Bahan_Org	Hypothesis	276.302	2	138.151	.239	.790
	Error	9252.584	16	578.286[d]		
Regim_Air * Bahan_Org	Hypothesis	2288.524	2	1144.262	1.979	.171
	Error	9252.584	16	578.286[d]		
Varietas * Regim_Air * Bahan_Org	Hypothesis	1646.596	2	823.298	1.424	.270
	Error	9252.584	16	578.286[d]		

a. MS(Kelompok)

b. MS(Varietas * Kelompok)

c. MS(Varietas * Regim_Air * Kelompok)

d. MS(Error)

Lampiran 48. Data hasil pengamatan dan analisis sidik ragam produksi gabah kering (KA 12%)

Varietas	Regim Air	Bahan Organik (BO)	Kelompok			Total Perlakuan
			1	2	3	
IR 64	*Flooding*	Tanpa BO	8,09	9,93	9,57	27,59
		Ampas Tebu	8,23	9,67	7,12	25,03
		Blotong	6,86	8,21	4,74	19,81
	Intermittent	Tanpa BO	8,52	8,99	7,18	24,69
		Ampas Tebu	5,05	7,24	5,92	18,21
		Blotong	10,70	9,23	10,37	30,30
Inpari 32	*Flooding*	Tanpa BO	8,29	9,76	11,40	29,45
		Ampas Tebu	6,71	4,26	8,80	19,77
		Blotong	6,43	8,37	6,79	21,59
	Intermittent	Tanpa BO	8,19	9,49	11,44	29,12
		Ampas Tebu	6,58	5,71	11,81	24,10
		Blotong	10,56	8,85	9,73	29,14
Total Kelompok			94,21	99,71	104,87	298,80

Tests of Between-Subjects Effects

Dependent Variable: Produksi

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	Hypothesis	2479.874	1	2479.874	381.438	.000
	Error	26.006	4	6.501[a]		
Varietas	Hypothesis	1.583	1	1.583	.244	.648
	Error	26.006	4	6.501[a]		
Varietas * Kelompok	Hypothesis	26.006	4	6.501	7.783	.036
	Error	3.341	4	.835[b]		
Regim_Air	Hypothesis	4.223	1	4.223	5.056	.088
	Error	3.341	4	.835[b]		
Varietas * Regim_Air	Hypothesis	3.222	1	3.222	3.857	.121
	Error	3.341	4	.835[b]		
Varietas * Regim_Air * Kelompok	Hypothesis	3.341	4	.835	.402	.804
	Error	33.215	16	2.076[c]		
Bahan_Org	Hypothesis	23.696	2	11.848	5.707	.013
	Error	33.215	16	2.076[c]		
Varietas * Bahan_Org	Hypothesis	1.780	2	.890	.429	.659
	Error	33.215	16	2.076[c]		
Regim_Air * Bahan_Org	Hypothesis	24.279	2	12.140	5.848	.012
	Error	33.215	16	2.076[c]		
Varietas * Regim_Air * Bahan_Org	Hypothesis	8.390	2	4.195	2.021	.165
	Error	33.215	16	2.076[c]		

a. MS(Varietas * Kelompok)

b. MS(Varietas * Regim_Air * Kelompok)

c. MS(Error)

Lampiran 49. Data hasil analisis sampel tanah yang digunakan dalam penelitian

LABORATORIUM KIMIA DAN KESUBURAN TANAH
DEPARTEMEN ILMU TANAH FAKULTAS PERTANIAN
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HASIL ANALISIS CONTOH TANAH

Nomor : 045.T.LKKT/2022
Permintaan : Kaharuddin
Asal Contoh/Lokasi : STPP Gowa
O b j e k : Penelitian
Tgl.Penerimaan : 24 Februari 2022
Tgl.Pengujian : 7 Maret 2022
J u m l a h : 5 Contoh Tanah

Nomor Contoh			Tekstur (pipet)				Ekstrak 1:2,5		Terhadap Contoh Kering 105 °C										
							pH		Bahan Organik				Nilai Tukar Kation (NH_4-Acetat 1N, pH7)						
Urut	Laboratorium	Pengirim	Pasir	Debu	Liat	Klas Tekstur	H_2O	KCl	Walkley & Black C	Kjeldahl N	C/N	Olsen P_2O_5	Ca	Mg	K	Na	Jumlah	KTK	KB
			-------- % --------						------- % ------			- ppm -	---------- (cmol (+)kg-1) ----------						%
1	K1	Inceptisol	11	74	15	Lempung berdebu	5,58	-	-	0,17	-	7,72	5,85	0,12	0,21	0,17	6	24,39	26
2	K2	Vertisol 1	46	39	15	Lempung	6,65	-	-	0,22	-	13,73	7,07	0,79	0,43	0,15	8	26,71	32
3	K3	Vertisol 2	27	39	34	Lempung berliat	6,45	-	-	0,28	-	11,28	5,92	1,11	0,33	0,27	8	21,42	36
4	K4	Vertisol 3	6	30	63	Liat	6,55	-	-	0,26	-	12,50	6,24	1,65	0,40	0,33	9	27,07	32
5	K5	Alfisol	41	35	25	Lempung	6,58	-	-	0,23	-	9,88	11,43	3,01	0,44	0,23	15	29,10	52

Catatan :
Hasil pengujian ini hanya berlaku bagi contoh yang diuji dan tidak untuk diperbanyak

Makassar, 18 Maret 2022
Kepala Laboratorium

Dr. Ir. H. Muh. Jayadi, MP
Nip. 19599926 198601 1 001

Keterangan: sampel tanah yang diberi warna kuning digunakan dalam penelitian

Lampiran 49. Peralatan pengambilan gas rumah kaca

a)  b) 

Keterangan: Peralatan pengambilan gas rumah kaca berupa: a) sungkup gas N_2O yang terbuat dari pipa paralon berukuran tinggi 25 cm dan diameter 15,24 cm, syringe, termometer, dan botol vial, dan b) sungkup gas CH_4 yang terbuat dari pipa paralon berukuran tinggi 100 cm dan diameter 15,24 cm, syringe, termometer, dan botol vial.