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LAMPIRAN

Lampiran 1. Titik Pengamatan



(Lokasi pengamatan Kakao 1)



(Lokasi pengamatan Kakao 2)



(Lokasi pengamatan Kakao 3)

Lampiran 2. Vegetasi yang Terdapat pada Titik Pengamatan



(Lokasi pengamatan Kakao 1)



(Lokasi pengamatan Kakao 2)



(Lokasi pengamatan Kakao 3)

Lampiran 3. Agregat Permukaan Tanah di Titik Pengamatan



(Lokasi Kakao 1)

(Lokasi Kakao 2)

(Lokasi Kakao 3)

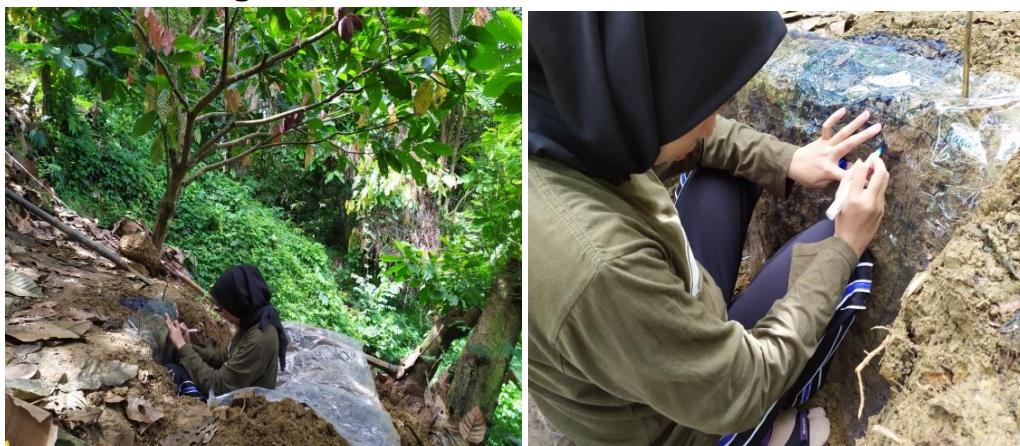
Lampiran 4. Pengaplikasian Larutan Methylen Blue



Lampiran 5. Pembuatan profil tanah



Lampiran 6. Proses Pengamatan Pori Makro Tanah



Lampiran 7. Proses Pengamatan Sebaran Akar Tanaman Kakao



Lampiran 8. Pengambilan Sampel Akar Kakao



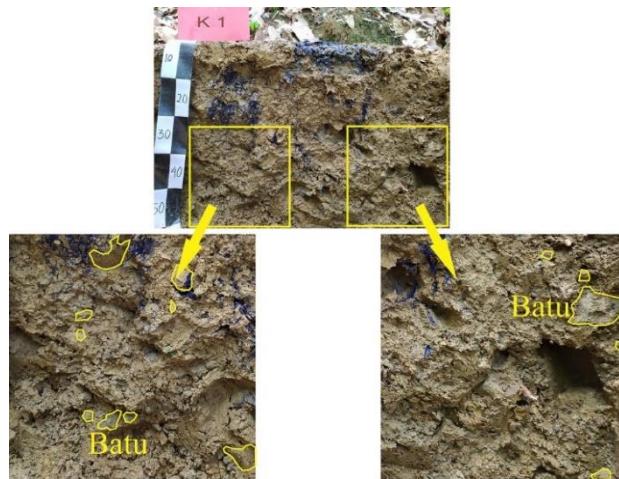
Lampiran 9. Proses Analisis Tanah di Laboratorium



Lampiran 10. Hasil Analisis Sampel Tanah Di Laboratorium

Pertanaman kakao	Kedalaman tanah (cm)	Bulk density (g cm ⁻³)	Fraksi partikel			Kelas tekstur	C-Organik (%)
			Pasir	Debu	Liat		
Kakao 1	0-20	1.11	49.4	575.085	375.5	Lempung Liat Berdebu	1.24
	20-40		39.8	596.4	363.8	Lempung Liat Berdebu	0.92
Kakao 2	0-20	1.34	386.81	421.3	192.5	Lempung	1.5
	20-40	1.37	392.2	266.1	341.7	Lempung Berliat	1.45
Kakao 3	0-20	1.4	42.3	470.5	487.2	Liat Berdebu	1.71
	20-40		86	413.5	500.5	Liat Berdebu	1.37

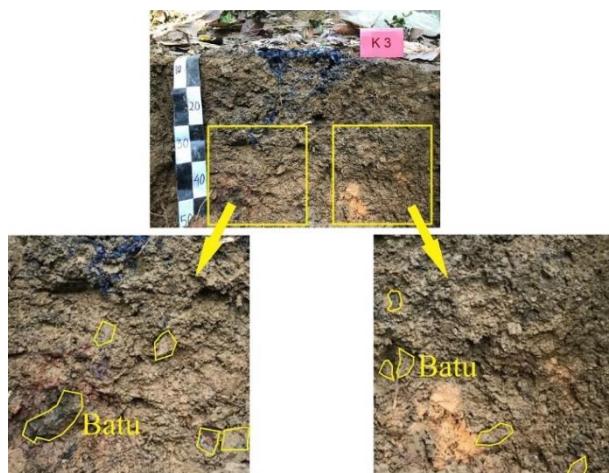
Lampiran 11. Kenampakan Sebaran Pori Makro (warna biru) pada Penampang Profil Tanah



(Lokasi pengamatan Kakao 1)

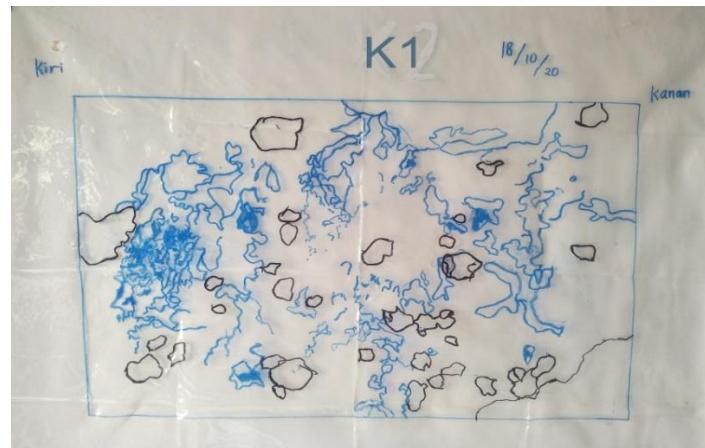


(Lokasi pengamatan Kakao 2)

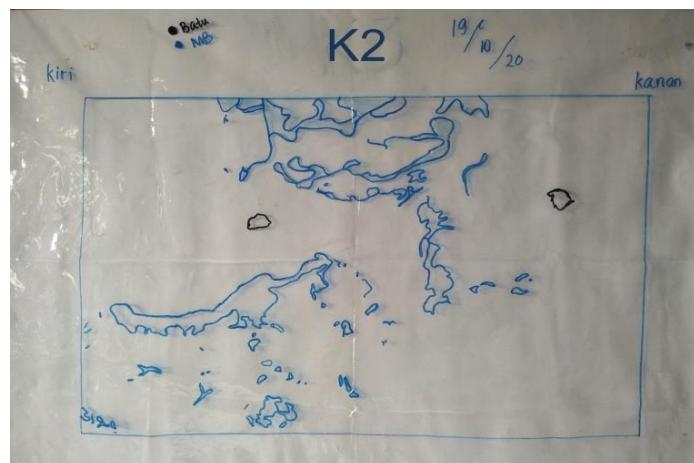


(Lokasi pengamatan Kakao 3)

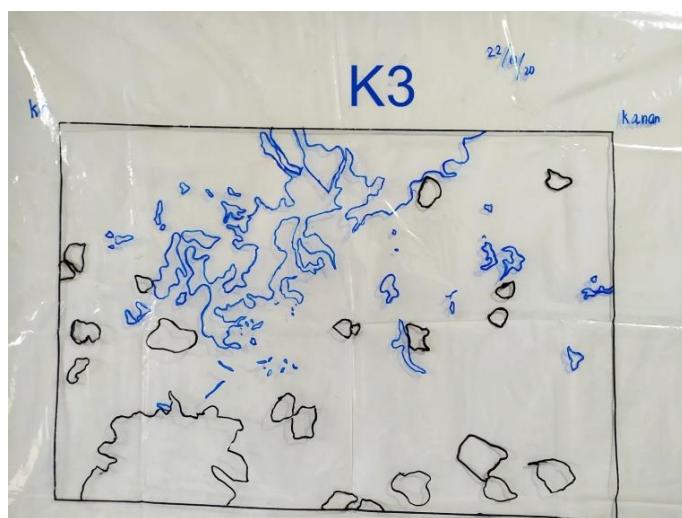
Lampiran 12. Hasil Overlay Pori Makro (warna biru) dan Batu (warna hitam) dari Lokasi Pengamatan



(Lokasi pengamatan Kakao 1)



(Lokasi pengamatan Kakao 2)

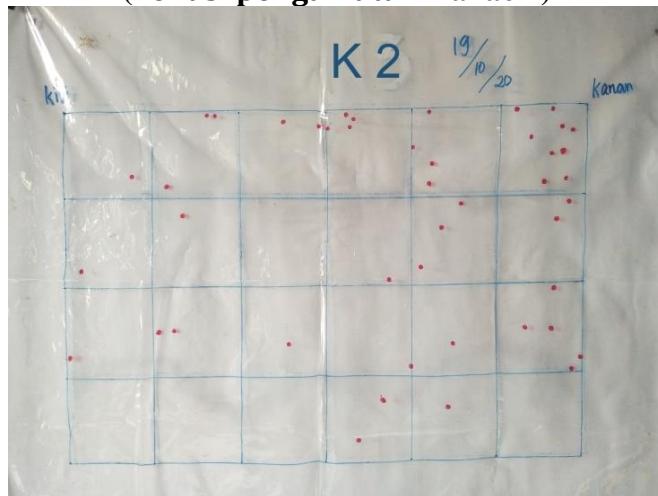


(Lokasi pengamatan Kakao 3)

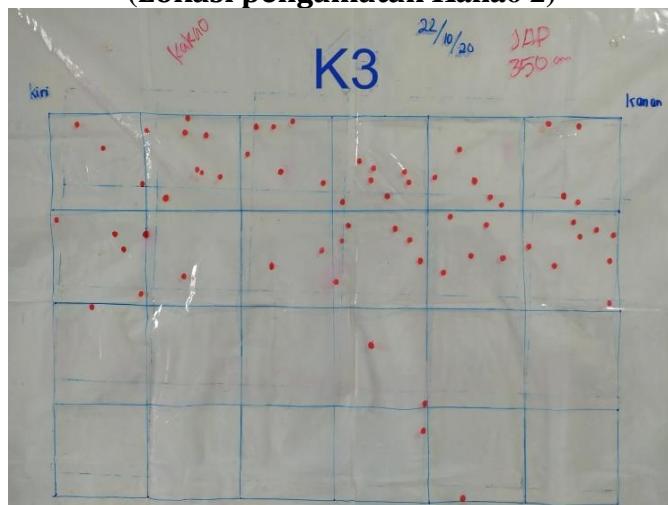
Lampiran 13. Hasil Overlay Sebaran Akar Tanaman Kakao dari Lokasi Pengamatan



(Lokasi pengamatan Kakao 1)

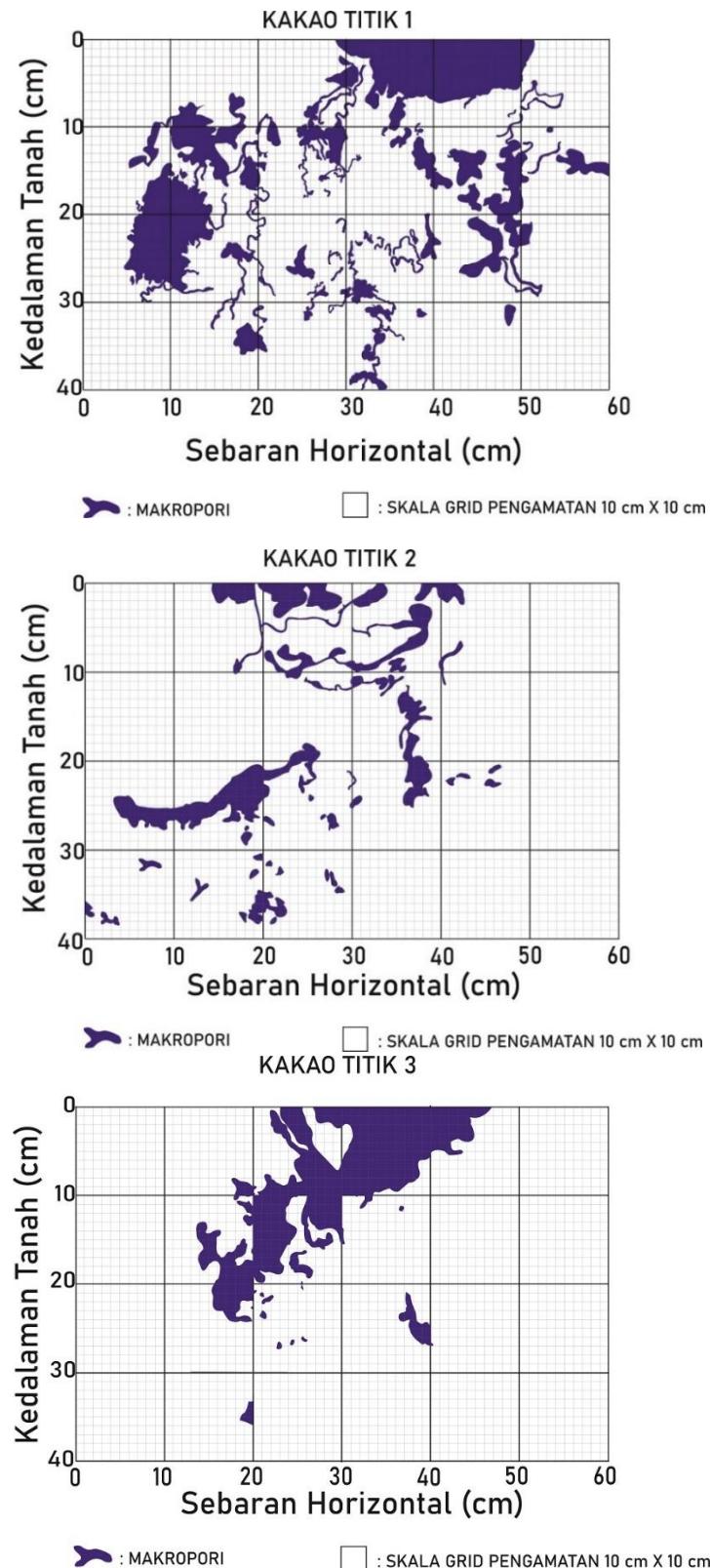


(Lokasi pengamatan Kakao 2)



(Lokasi pengamatan Kakao 3)

Lampiran 14. Hasil Digitasi Pori Makro Tanah dari Lokasi Pengamatan



Lampiran 15. Hasil Pengukuran Pori Makro dan Akar Tanaman Kakao dari Lokasi Pengamatan

Pori makro			LRV				DRV				JUMLAH AKAR				
K1	K2	K3	RATA-RATA	k2	k3	k4	RATA-RATA	K2	K3	K4	RATA-RATA	K2	K3	K4	RATA-RATA
0.27	0.29	0.6	0.3867	0.43	0.16	0.09	0.2293	0.16	0.24	0.02	0.14	14	5	5	8
0.36	0.72	0.71	0.5967	0.27	0.34	0.28	0.2974	0.15	0.35	0.76	0.42	7	12	5	8
0.76	0.16	0.31	0.41	0.39	0.08	0.22	0.2319	0.44	0.27	0.12	0.27	9	14	11	11.333
0.27	0.4	0.08	0.25	0.23	0.18	0.29	0.2353	0.31	0.07	0.19	0.19	4	3	12	6.3333
0.7	0.02	0	0.24	0.15	0.31	0.05	0.1707	0.16	0.02	0.02	0.068	4	7	1	4
0.49	0.24	0	0.2433	0	0.04	0	0.0155	0	0.03	0	0.01	0	2	0	0.6667
0.66	0.55	0.23	0.48	0	0.28	0	0.0945	0	0.02	0	0	0	5	0	1.6667
0.2	0.15	0	0.1167	0	0	0	0	0	0	0	0	0	0	0	0
0.27	0.23	0	0.1667	0	0.01	0	0.0047	0	0	0	0.0	0	0	0	0
0.18	0.24	0	0.14	0.06	0.03	0	0.0317	0.0083	0.06	0	0.02	2	0	0	0.6667
0.5	0	0	0.1667	0	0	0	0	0	0	0	0	0	0	0	0

Lampiran 16. Kriteria Penilaian Hasil Analisis C-Organik

Parameter tanah	Sangat rendah	Rendah	Sedang	Tinggi	Sangat Tinggi
C (%)	<1	1 – 2	2 – 3	3 – 5	>5

(Sumber : Pusat Penelitian Tanah, 1995)

Lampiran 17. Klasifikasi Permeabilitas Tanah menurut Uhland And O'neal (1951) dalam (Dariah Et Al., 2004)

Kelas	Permeabilitas (cm jam-1)
Sangat lambat	<0,125
Lambat	0,125-0,50
Agak lambat	0,50-2,00
Sedang	2,00-6,25
Agak cepat	6,25-12,5
Cepat	12,5-25,00
Sangat cepat	>25,00