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LAMPIRAN

Lampiran 1. Data survei lahan

Nama Petani	Hairuddin
Kondisi Lahan	
Luas kebun	±2 Hektar
Posisi kebun	<ul style="list-style-type: none"> - Bagian depan; Rumah warga - Samping kanan; kebun kelapa sawit - Samping kiri; kebun kakao (milik warga lain) - Belakang; kebun kakao milik warga lain
Jumlah pohon	-
Jenis klon	45
Tanaman naungan	Kelapa, durian
Tanaman selingan	Pisang, nanas
Mulsa	-
Jarak tanam	2 meter
Umur tanaman	±10 tahun
Pemupukan	
Jenis pupuk	Pelangi, Ponska
Waktu pemupukan	2 kali dalam setahun
Pemeliharaan	
Pemangkasan	Dikondisikan
Pemberian pestisida	Jenis; Alike, turgen Tiap 15/20 hari
Produktivitas tahun 2022	±1 ton
Panen	
Panen rutin	2 kali sebulan atau tiap 2 bulan
Panen raya	2 kali dalam satu tahun
Riwayat Serangan OPT	
Hama	PBK, Penggerek batang
Penyakit	Kanker batang



Lampiran 2. Pengamatan populasi kumbang ambrosia yang tertarik pada perangkap

Perlakuan	Ulangan	Trap	Pengamatan hari ke-														
			3	6	9	12	15	18	21	24	27	30	33	35	39	42	
Ekstrak daun kopi 10% + larutan sabun	1	1	2	0	0	0	0	0	1	1	0	0	1	0	1	0	0
		2	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		2	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	3	1	0	1	0	0	0	2	0	0	0	0	0	0	1	0	0
		2	2	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Ekstrak daun wortel 15% + larutan sabun	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
		2	0	0	0	0	1	0	1	1	0	0	0	1	0	0	
	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	3	0	0	0	1	0	0	0	0	0	0	0	0	0	
	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	0	1	0	0	5	1	0	0	0	1	0	0	0	0	
Minyak eukaliptus + larutan sabun	1	1	1	1	0	1	0	0	0	0	0	0	0	2	0	0	
		2	0	1	0	0	0	1	0	0	0	0	0	0	0	0	
	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	0	0	1	0	0	0	0	0	2	0	0	0	0	0	
Fermentasi	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	0	0	0	0	0	0	0	1	0	0	0	2	0	0	
	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
	3	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	
		2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	



Perlakuan	Ulangan	Trap	Pengamatan hari ke-													
			3	6	9	12	15	18	21	24	27	30	33	35	39	42
Ekstrak daun kopi 10% + alkohol	1	1	2	2	2	2	0	9	14	21	9	23	33	26	20	6
		2	8	10	18	24	14	16	26	15	14	12	32	54	23	22
	2	1	1	2	1	1	0	2	24	7	15	7	3	10	9	6
		2	5	1	8	4	1	3	5	1	7	19	13	24	18	15
	3	1	4	0	9	5	0	3	11	3	14	14	10	28	18	6
		2	11	3	11	4	3	8	12	11	16	21	20	18	17	15
Ekstrak daun wortel 15% + alkohol	1	1	2	2	1	8	0	32	44	25	29	42	58	58	22	3
		2	3	3	20	20	3	8	12	5	14	22	30	72	22	60
	2	1	1	2	1	1	0	7	5	3	6	6	16	17	12	5
		2	9	1	13	14	8	16	18	23	25	28	59	77	29	33
	3	1	1	2	5	2	2	8	7	4	3	6	16	21	10	28
		2	9	3	16	5	6	7	4	6	8	14	19	22	13	11
Minyak eukaliptus + alkohol	1	1	0	2	2	0	1	11	22	12	0	4	3	7	23	11
		2	3	1	3	0	4	7	14	20	3	2	17	36	14	26
	2	1	0	0	2	1	0	16	24	23	8	9	8	21	11	4
		2	2	5	12	25	13	52	31	35	1	3	25	60	79	65
	3	1	0	2	1	1	0	10	1	0	1	2	7	10	10	15
		2	3	4	11	15	8	8	6	19	0	4	5	16	22	27
Fermentasi kayu kakao	1	1	3	2	6	2	0	13	18	15	2	7	4	6	5	18
		2	1	6	29	10	6	11	4	10	1	7	17	30	15	6
	2	1	5	1	8	2	0	13	6	10	2	9	10	17	10	9
		2	11	12	12	6	3	5	8	19	7	14	15	63	43	34
	3	1	0	6	21	9	3	13	26	13	4	1	5	19	23	3
		2	14	29	39	29	6	34	41	33	24	29	34	35	38	40



Perlakuan	Ulangan	Trap	Pengamatan hari ke-													
			3	6	9	12	15	18	21	24	27	30	33	35	39	42
Alkohol	1	1	5	10	9	4	4	14	30	22	12	8	13	13	13	10
		2	6	7	12	7	7	3	6	5	2	10	15	24	22	14
	2	1	2	5	5	5	0	20	36	50	29	44	51	60	63	29
		2	2	11	17	16	19	25	9	18	6	12	13	31	59	50
	3	1	3	2	7	1	1	6	16	10	7	11	10	6	6	11
		2	1	4	7	14	10	6	22	13	31	27	41	55	62	7
Kontrol / larutan sabun	1	1	0	1	0	0	1	0	1	0	0	0	2	0	0	0
		2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	0	1	1	0	0	0	0	1	0	1	0	0	0	0
	3	1	0	0	0	0	0	0	0	1	0	0	1	0	0	0
		2	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Lampiran 3. Jumlah kumbang ambrosia yang tertarik pada perangkap

Perlakuan	Pengamatan hari ke-														Jumlah
	3	6	9	12	15	18	21	24	27	30	33	35	39	42	
Ekstrak daun kopi 10% + larutan sabun	4	1	0	0	3	1	3	1	1	2	0	2	0	0	18
Ekstrak daun wortel 15% + larutan sabun	4	1	0	0	7	1	1	1	0	2	0	1	0	0	18
Minyak Eukaliptus + larutan	1	2	1	1	0	1	0	0	2	0	0	2	0	0	10
Kao + 0% +	2	0	2	0	0	0	0	1	0	1	0	3	0	0	9
15% +	31	18	49	40	18	41	92	58	75	96	111	160	105	70	964
	25	13	56	50	19	78	90	66	85	118	198	267	108	140	1313



Perlakuan	Pengamatan hari ke-														Jumlah
	3	6	9	12	15	18	21	24	27	30	33	35	39	42	
Minyak Eukaliptus + alkohol	8	14	31	42	26	104	98	109	13	24	65	150	159	148	991
Fermentasi kayu kakao + alkohol	34	56	115	58	18	89	103	100	40	67	85	170	134	110	1179
Alkohol	19	39	57	47	41	74	119	118	87	112	143	189	225	121	1391
Kontrol larutan sabun	0	2	1	1	1	0	1	2	0	1	3	0	1	0	13
Jumlah	128	146	312	239	133	389	507	456	303	423	605	944	732	589	5906

Lampiran 4. Rata-rata kumbang ambrosia yang tertarik pada perangkap

Perlakuan	Pengamatan hari ke-													
	3	6	9	12	15	18	21	24	27	30	33	35	39	42
P1	0,7 ^{ab}	0,2 ^a	0,0 ^a	0,0	0,5 ^a	0,2	0,5	0,2 ^a	0,2 ^a	0,3 ^a	0,0 ^a	0,3 ^a	0,0 ^a	0,0 ^a
P2	0,7 ^{ab}	0,2 ^a	0,0 ^a	0,0	1,2 ^a	0,2	0,2	0,2 ^a	0,0 ^a	0,3 ^a	0,0 ^a	0,2 ^a	0,0 ^a	0,0 ^a
P3	0,2 ^a	0,3 ^a	0,2 ^a	0,2	0,0 ^a	0,2	0,0	0,0 ^a	0,3 ^{ab}	0,0 ^a	0,0 ^a	0,3 ^a	0,0 ^a	0,0 ^a
P4	0,3 ^a	0,0 ^a	0,3 ^a	0,0	0,0 ^a	0,0	0,0	0,2 ^a	0,0 ^a	0,2 ^a	0,0 ^a	0,5 ^a	0,0 ^a	0,0 ^a
P5	5,2 ^{bc}	3,0 ^{ab}	8,2 ^a	6,7	3,0 ^{ab}	6,8	15,3	9,7 ^{ab}	12,5 ^{bd}	16,0 ^{bc}	18,5 ^{ac}	26,7 ^{ab}	17,5 ^{ab}	11,7 ^{ab}
P6	4,2 ^{ac}	2,2 ^{ab}	9,3 ^{ab}	8,3	3,2 ^{ab}	13,0	15,0	11,0 ^{ab}	14,2 ^{cd}	19,7 ^c	33,0 ^c	44,5 ^b	18,0 ^{ab}	23,3 ^b
P7	1,3 ^{ac}	2,3 ^{ab}	5,2 ^a	7,0	4,3 ^{ab}	17,3	16,3	18,2 ^b	2,2 ^{ac}	4,0 ^{ab}	10,8 ^{ab}	25,0 ^{ab}	26,5 ^{ab}	24,7 ^b
		9,3 ^b	19,2 ^b	9,7	3,0 ^{ab}	14,8	17,2	16,7 ^{ab}	6,7 ^{ad}	11,2 ^{ac}	14,2 ^{ac}	28,3 ^{ab}	22,3 ^{ab}	18,3 ^{ab}
	6,5 ^{ab}	9,5 ^{ab}	7,8	6,8 ^b	12,3	19,8	19,7 ^b	14,5 ^d	18,7 ^{bc}	23,8 ^{bc}	31,5 ^b	37,5 ^b	20,2 ^b	
	0,3 ^a	0,2 ^a	0,2	0,2 ^a	0,0	0,2	0,3 ^a	0,0 ^a	0,2 ^a	0,5 ^a	0,0 ^a	0,2 ^a	0,0 ^a	0,0 ^a



Lampiran 5. Hasil sidik ragam populasi kumbang ambrosia yang tertarik pada perangkap

Pengamatan 1

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	521,87	57,99	6,03	2,46	3,60	**
Kelompok	2	8,87	4,43	0,46	3,55	6,01	tn
Galat/Sisa	18	173,13	9,62				
Total	29	703,87					

Pengamatan 2

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	1074,80	119,42	3,98	2,46	3,60	**
Kelompok	2	12,87	6,43	0,21	3,55	6,01	tn
Galat/Sisa	18	539,80	29,99				
Total	29	1627,47					

Pengamatan 3

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	4414,53	490,50	9,82	2,46	3,60	**
Kelompok	2	115,80	57,90	1,16	3,55	6,01	tn
Galat/Sisa	18	898,87	49,94				
Total	29	5429,20					

Pengamatan 4

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	1908,97	212,11	2,74	2,46	3,60	*
Kelompok	2	6,47	3,23	0,04	3,55	6,01	tn
Galat/Sisa	18	1393,53	77,42				
Total	29	3308,97					



Pengamatan 5

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	552,03	61,34	5,03	2,46	3,60	**
Kelompok	2	1,67	0,83	0,07	3,55	6,01	tn
Galat/Sisa	18	219,67	12,20				
Total	29	773,37					

Pengamatan 6

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	5616,30	624,03	3,56	2,46	3,60	*
Kelompok	2	153,27	76,63	0,44	3,55	6,01	tn
Galat/Sisa	18	3153,40	175,19				
Total	29	8922,97					

Pengamatan 7

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	8414,70	934,97	4,23	2,46	3,60	**
Kelompok	2	106,40	53,20	0,24	3,55	6,01	tn
Galat/Sisa	18	3975,60	220,87				
Total	29	12496,70					

Pengamatan 8

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	7579,47	842,16	5,74	2,46	3,60	**
Kelompok	2	296,60	148,30	1,01	3,55	6,01	tn
Galat/Sisa	18	2642,73	146,82				
Total	29	10518,80					

Pengamatan 9

	JK	KT	F Hitung	F Tabel		Ket.
				0,05	0,01	
	4337,37	481,93	6,96	2,46	3,60	**
	34,20	17,10	0,25	3,55	6,01	tn
	1247,13	69,29				
	5618,70					



Pengamatan 10

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	7622,03	846,89	7,93	2,46	3,60	**
Kelompok	2	22,20	11,10	0,10	3,55	6,01	tn
Galat/Sisa	18	1922,47	106,80				
Total	29	9566,70					

Pengamatan 11

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	15610,17	1734,46	8,45	2,46	3,60	**
Kelompok	2	176,07	88,03	0,43	3,55	6,01	tn
Galat/Sisa	18	3693,93	205,22				
Total	29	19480,17					

Pengamatan 12

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	31638,13	3515,35	8,06	2,46	3,60	**
Kelompok	2	1140,27	570,13	1,31	3,55	6,01	tn
Galat/Sisa	18	7855,07	436,39				
Total	29	40633,47					

Pengamatan 13

SK	DB	JK	KT	F Hitung	F Tabel		Ket.
					0,05	0,01	
Perlakuan	9	20989,87	2332,21	7,01	2,46	3,60	**
Kelompok	2	1264,20	632,10	1,90	3,55	6,01	tn
Galat/Sisa	18	5991,13	332,84				
Total	29	28245,20					

Pengamatan 14

	JK	KT	F Hitung	F Tabel		Ket.
				0,05	0,01	
	12817,63	1424,18	8,30	2,46	3,60	**
	440,47	220,23	1,28	3,55	6,01	tn
	3086,87	171,49				
	16344,97					



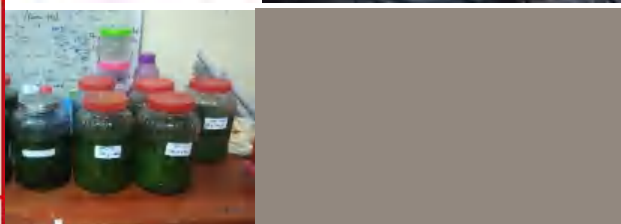
Lampiran 6. Persentase ketertarikan kumbang ambrosia pada atraktan

Perlakuan	Populasi kumbang ambrosia	Persentase Ketertarikan (%)
Kontrol / larutan sabun	13	
Ekstrak kopi 10% + larutan sabun	18	27,78
Ekstrak wortel 15% + larutan sabun	18	27,78
Minyak Eukaliptus + larutan sabun	10	-30,00
Fermentasi kayu kakao + larutan sabun	9	-44,44
Ekstrak kopi 10% + alkohol	964	98,65
Ekstrak wortel 15% + alkohol	1313	99,01
Minyak Eukaliptus + alkohol	991	98,69
Fermentasi kayu kakao + alkohol	1179	98,90
Alkohol	1391	99,07

Lampiran 7. Masa pendedahan atraktan

Perlakuan	Pergantian	Hari	Masa Pendedahan	Rata-rata Pendedahan
Ekstrak kopi 10%	I	12	42	21
	II	30		
Ekstrak wortel 15%	I	12	42	21
	II	30		
Minyak eukaliptus	I	24	42	21
	II	18		
Fermentasi kayu kakao	I	12	42	14
	II	12		
	III	18		

Lampiran 8. Proses pembuatan ekstrak daun kopi dan daun wortel

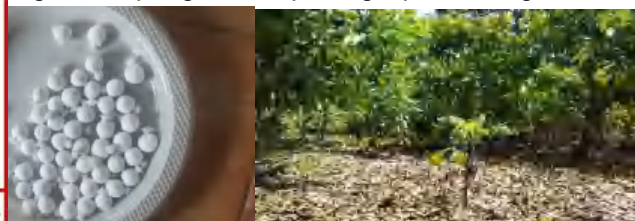




Lampiran 9. Proses pembuatan fermentasi kayu kakao



Lampiran 10. Pemasangan dan pengamatan perangkat kumbang ambrosia





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