

V. SIMPULAN DAN SARAN

A. Simpulan

Berdasarkan penelitian yang telah dilakukan maka dapat disimpulkan bahwa ekstrak larutan vermikompos cair dan larutan *vermileachate* mampu dijadikan atau berpotensi sebagai insektisida pada *Spodoptera litura* pada tanaman kubis. Daya bunuh efektif ditunjukkan pada ekstrak larutan vermikompos cair dengan konsentrasi 100% dan larutan *vermileachate* pada konsentrasi 100% menyebabkan kematian *S. litura* rata-rata 9.66 dan 10. LD 50/24 jam dari ekstrak vermikompos cair yaitu 48,729% dengan batas bawah 18,888% dan batas atas 59,126%. LD 50/24 jam dari *vermileachate* yaitu 46,843% dengan batas bawah 14,142% dan batas atas 57,298% dengan waktu paparan 48 jam.

B. Saran

Larutan insektisida nabati yang telah lama tidak digunakan sebaiknya dilakukan pengujian ulang untuk mengetahui perbedaan kandungan unsur hara dan efektivitasnya.

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LAMPIRAN

A. Tabel

Tabel 5. Hasil Analisa statistika

Perlakuan	N	Bagian dari alfa = 0.05			
		1 ^a	2 ^b	3 ^c	4 ^d
0 (Vermikompos)	3	,0000			
0 (Vermileachate)	3	,0000			
60(Vermikompos)	3		7,0000		
60(Vermileachate)	3		7,6667	7,6667	
80(Vermikompos)	3			8,6667	8,6667
80(Vermileachate)	3			8,6667	8,6667
Kontrol Positif	3			8,6667	8,6667
100(Vermikompos)	3				9,6667
100(Vermileachate)	3				10,0000
Sig.		1,000	,272	,135	,054

Tabel 6. Hasil Analisis Probit Ekstrak Vermikompos Cair

Probabilitas	Konfidensi hingga 95% pada Perlakuan			Konfidensi hingga 95% pada log (Perlakuan)		
	Estimasi	Batas Bawah	Batas Atas	Estimasi	Batas Bawah	Batas Atas
Probit ,010	18,745	,780	32,945	1,273	-,108	1,518
,020	20,965	1,135	35,216	1,321	,055	1,547
,030	22,508	1,440	36,741	1,352	,158	1,565
,040	23,744	1,723	37,933	1,376	,236	1,579
,050	24,798	1,993	38,933	1,394	,299	1,590
,060	25,733	2,256	39,807	1,410	,353	1,600
,070	26,581	2,514	40,589	1,425	,400	1,608
,080	27,365	2,771	41,304	1,437	,443	1,616
,090	28,097	3,027	41,966	1,449	,481	1,623
,100	28,788	3,283	42,586	1,459	,516	1,629
,150	31,837	4,597	45,260	1,503	,662	1,656
,200	34,489	6,004	47,522	1,538	,778	1,677
,250	36,939	7,548	49,568	1,567	,878	1,695
,300	39,288	9,267	51,498	1,594	,967	1,712
,350	41,597	11,202	53,374	1,619	1,049	1,727
,400	43,914	13,406	55,243	1,643	1,127	1,742
,450	46,278	15,940	57,145	1,665	1,202	1,757
,500	48,729	18,888	59,126	1,688	1,276	1,772
,550	51,309	22,357	61,239	1,710	1,349	1,787
,600	54,071	26,494	63,562	1,733	1,423	1,803
,650	57,083	31,496	66,223	1,757	1,498	1,821
,700	60,438	37,619	69,468	1,781	1,575	1,842
,750	64,280	45,135	73,851	1,808	1,655	1,868
,800	68,874	54,051	80,864	1,838	1,733	1,908
,850	74,582	63,377	94,580	1,873	1,802	1,976
,900	82,480	71,895	124,058	1,916	1,857	2,094
,910	84,510	73,583	133,424	1,927	1,867	2,125
,920	86,772	75,325	144,664	1,938	1,877	2,160
,930	89,329	77,159	158,381	1,951	1,887	2,200
,940	92,274	79,140	175,513	1,965	1,898	2,244
,950	95,751	81,343	197,611	1,981	1,910	2,296
,960	100,004	83,890	227,478	2,000	1,924	2,357
,970	105,493	87,003	270,850	2,023	1,940	2,433
,980	113,258	91,166	342,148	2,054	1,960	2,534
,990	126,674	97,898	495,696	2,103	1,991	2,695

Tabel 7. Hasil Analisis Probit *Vermileachate*

Probabilitas	Konfidensi hingga 95% pada Perlakuan			Konfidensi hingga 95% pada log (Perlakuan)		
	Estimasi	Batas Bawah	Batas Atas	Estimasi	Batas Bawah	Batas Atas
Probit ,010	19,616	,481	34,079	1,293	-,318	1,532
,020	21,722	,715	36,162	1,337	-,145	1,558
,030	23,174	,921	37,552	1,365	-,036	1,575
,040	24,330	1,113	38,635	1,386	-,047	1,587
,050	25,313	1,299	39,540	1,403	,114	1,597
,060	26,181	1,481	40,328	1,418	,171	1,606
,070	26,966	1,662	41,033	1,431	,221	1,613
,080	27,689	1,843	41,676	1,442	,265	1,620
,090	28,364	2,024	42,270	1,453	,306	1,626
,100	28,999	2,206	42,825	1,462	,344	1,632
,150	31,785	3,152	45,210	1,502	,499	1,655
,200	34,188	4,184	47,213	1,534	,622	1,674
,250	36,394	5,334	49,016	1,561	,727	1,690
,300	38,497	6,632	50,708	1,585	,822	1,705
,350	40,553	8,113	52,344	1,608	,909	1,719
,400	42,606	9,818	53,964	1,629	,992	1,732
,450	44,691	11,804	55,604	1,650	1,072	1,745
,500	46,843	14,142	57,298	1,671	1,151	1,758
,550	49,098	16,931	59,088	1,691	1,229	1,772
,600	51,500	20,307	61,031	1,712	1,308	1,786
,650	54,107	24,463	63,213	1,733	1,389	1,801
,700	56,998	29,679	65,789	1,756	1,472	1,818
,750	60,290	36,350	69,090	1,780	1,561	1,839
,800	64,181	44,931	73,979	1,807	1,653	1,869
,850	69,043	55,319	83,304	1,839	1,743	1,921
,900	75,666	65,478	106,164	1,879	1,816	2,026
,910	77,360	67,328	114,023	1,889	1,828	2,057
,920	79,245	69,155	123,653	1,899	1,840	2,092
,930	81,370	70,999	135,608	1,910	1,851	2,132
,940	83,810	72,912	150,753	1,923	1,863	2,178
,950	86,683	74,965	170,536	1,938	1,875	2,232
,960	90,185	77,265	197,593	1,955	1,888	2,296
,970	94,684	80,001	237,369	1,976	1,903	2,375
,980	101,014	83,572	303,686	2,004	1,922	2,482
,990	111,862	89,219	449,340	2,049	1,950	2,653

B. Gambar

Gamabr 10. Tanaman sebelum dimakan ulat grayak



Gambar 11. Ulat grayak sedang memakan tanaman kubis



Gambar 12. Tanaman kubis yang telah dimakan ulat grayak (*S. litura*)



Gambar 13. Tanaman kubis yang telah habis dimakan ulat grayak (*S. litura*)

