

Table 1 Log probit analysis and regression analysis of larvicidal activity of leaf crude extract against different larval instars of *Culex vishnui* group

Larval instar	Period of bioassay (h)	LC ₅₀ (% of extract)	LC ₉₀ (% of extract)	Regression equation	R ² Value
1 st	24	0.1456	0.3943	Y=146.660x + 29.338	0.9398
	48	0.116	0.3022	Y=130.00x + 41.00	0.8544
	72	0.0924	0.2746	Y= 103.330x +53.003	0.8998
2 nd	24	0.1268	0.5388	Y= 116.650x +36.337	0.9943
	48	0.0964	0.4024	Y= 83.350x + 46.327	0.9890
	72	0.0524	0.3321	Y= 70.00x + 63.66	0.9344
3 rd	24	0.0977	0.5441	Y= 96.660x + 45.668	0.9870
	48	0.0699	0.4405	Y= 80.020x + 55.994	0.9931
	72	0.066	0.215	Y= 73.330x + 67.335	0.8832
4 th	24	0.3874	0.6987	Y= 70.010x + 22.331	0.9586
	48	0.2374	0.6641	Y= 63.330x + 32.330	0.9704
	72	0.1313	0.5078	Y= 53.320x + 43.338	0.9552
Pupa	24	0.7588	1.632	Y=76.680 + 50.00x	0.9525
	48	0.7034	1.556	Y=39.980 x + 6.6640	0.9149
	72	0.6515	0.9472	Y=29.3990x + 5.66	0.8215