

Table 3 Log probit and regression analyses of larvicidal activity of ethanol leaf extract of *A. reticulata* against different larval instars of *A. aegypti*

Larval instar	Exposure period (h)	LC <sub>50</sub> (ppm)	LC <sub>90</sub> (ppm)	Regression equation	R <sup>2</sup> value
1 <sup>st</sup>	24	6.8839	23.3961	Y= 6.6104 +4.1911 X	0.9256
	48	3.0721	11.7153	Y= 39.8459 + 2.9598 X	0.8442
	72	2.3550	8.3395	Y= 50.6641 + 2.5219 X	0.7409
2 <sup>nd</sup>	24	5.9929	24.4299	Y= 17.6836 +3.5229 X	0.9271
	48	4.2606	19.7103	Y= 29.6945 +3.1290 X	0.8944
	72	2.9057	13.5762	Y= 42.4162 + 2.7207X	0.8348
3 <sup>rd</sup>	24	14.5745	106.0827	Y= 7.9499 +2.5676 X	0.9865
	48	6.5972	55.2839	Y= 25.4283 +2.4923 X	0.8511
	72	4.1226	33.5766	Y= 34.9844 + 2.4818 X	0.8565
4 <sup>th</sup>	24	19.8836	28.8044	Y= -14.2149 + 3.1310 X	0.8342
	48	19.4130	27.7418	Y= -14.9512 + 3.3029X	0.8332
	72	18.3592	25.0146	Y= -17.0594 + 3.7575 X	0.8343

Note LC =Lethal Concentration, X= Concentration, Y= mortality, R2 = Coefficient of determination