

Table 4 Log probit and regression analyses of larvicidal activity of acetone leaf extract of *Annona reticulata* against different larval instars of *Aedes aegypti*

Larval instars	Period of bioassay (h)	LC <sub>50</sub> (ppm)	LC <sub>90</sub> (ppm)	Regression equation	R <sup>2</sup> value
1 <sup>st</sup>	24	5.8956	38.7187	Y=11.5850+5.1851X	0.8571
	48	3.7411	24.0306	Y=17.9706+5.8219X	0.8474
	72	2.3258	11.1869	Y=25.0902+6.5991X	0.8153
2 <sup>nd</sup>	24	5.2542	27.2403	Y=10.8082+5.7291X	0.8340
	48	4.0231	22.8818	Y=17.1579+5.6967X	0.7593
	72	2.4418	10.1035	Y=23.0911+6.9088X	0.7839
3 <sup>rd</sup>	24	5.5886	22.3232	Y= 2.7724+6.8763X	0.9629
	48	3.889	13.192	Y= 6.4984+7.9563X	0.9579
	72	2.9335	10.3285	Y=14.3616+7.8104X	0.9075
4 <sup>th</sup>	24	16.6865	39.1984	Y=-4.6730+2.5905X	0.9195
	48	14.5535	36.7641	Y=-5.0720+3.3476X	0.9151
	72	12.092	27.3781	Y=-6.6701+4.2516X	0.9248

Note: LC: Lethal Concentration, R<sup>2</sup>= Coefficient of determination, X= Concentration Y= Mortality