

Table 6 Log probit and regression analyses of larvicidal activity of acetone leaf extract of *Annona reticulata* against different larval instars forms of *Culex quinquefasciatus*

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	1.4163	8.0535	Y=12.3515+13.9431X	0.9729
	48	1.2400	4.8218	Y=25.5868+13.2382X	0.9613
	72	1.0712	3.2595	Y=28.6980+13.8147X	0.8868
2 <sup>nd</sup>	24	2.5854	12.1734	Y=6.5589+13.1255X	0.9678
	48	1.7418	7.6683	Y=14.61337+13.8460X	0.9881
	72	1.3332	5.3660	Y=23.3307+13.3338X	0.9765
3 <sup>rd</sup>	24	2.8586	12.5373	Y=7.2397+10.8978X	0.9836
	48	2.0296	8.4226	Y=9.4412+14.2795X	0.9657
	72	1.5174	5.7704	Y=17.8349+14.1344X	0.9873
4 <sup>th</sup>	24	4.9419	17.4287	Y=-3.9373+10.5930X	0.9945
	48	3.8053	15.3884	Y=1.1028+11.4426X	0.9604
	72	2.4518	14.7582	Y=13.3541+11.3251X	0.9594

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