

Table 6 Log probit and regression analyses of larvicidal activity of ethyl acetate root extract of *Annona reticulata* against different larval instars of *Culex quinquefasciatus*

Instars	Period (h)	LC ₅₀ (ppm)	LC ₉₀ (ppm)	Regression equations	R ² - values
1 st	24	0.5716	1.6832	Y=81.02+2.84X	0.63
	48	-	-	-	-
	72	-	-	-	-
2 nd	24	0.8246	2.1360	Y=69.71+4.52X	0.65
	48	0.4585	1.2690	Y=89.85+1.59X	0.35
	72	-	-	-	-
3 rd	24	0.8566	2.7904	Y=64.20+5.10X	0.69
	48	0.5397	1.3747	Y=87.83+1.91X	0.35
	72	0.3656	1.1339	Y=91.88+1.28X	0.59
4 th	24	2.3631	17.9815	Y=31.88+5.94X	0.68
	48	1.1935	16.9890	Y=48.69+5.01X	0.72
	72	0.3344	6.5305	Y=73.05+2.52X	0.98

LC = Lethal Concentration, R2 = Co efficient of determination