

Table 5 Log probit and regression analyses of larvicidal activity of chloroform: methanol (v/v 1:1) root extract of *Annona reticulata* against different larval instars of *Culex quinquefasciatus*

Early Instars	Period (h)	LC ₅₀ (ppm)	LC ₉₀ (ppm)	Regression equations	R ² - values
1 st	24	0.1660	0.0582	Y=70.66 +30.00X	0.95
	48	0.0149	0.0356	Y= 89.33 +11.67 X	0.89
	72	-	-	-	-
2 nd	24	0.0185	0.1191	Y=53.00 + 43.34 X	0.81
	48	0.0132	0.0820	Y= 65.00 +33.34 X	0.95
	72	0.0124	0.0510	Y= 77.00 +23.33 X	0.98
3 rd	24	0.2059	3.0439	Y=53.33 +25.01X	0.88
	48	0.2927	0.8146	Y= 48.67 +48.33X	0.94
	72	0.2907	0.6684	Y= 54.00 + 46.67X	0.98
4 th	24	0.5140	3.3923	Y=28.66 + 40.01 X	0.96
	48	0.3972	2.0555	Y= 34.66 + 43.34X	0.97
	72	0.3047	1.1084	Y= 44.00 + 46.67X	0.93

Note: LC = Lethal Concentration; R² = Co efficient of determination