

Table 6 Log probit and regression analyses of larvicidal activity of chloroform: methanol (v/ v 1:1) stem bark 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	0.3308	0.7917	Y=42.00 +56.67X	0.98
	48	0.3348	0.6092	Y=49.00 +55.00X	0.99
	72	0.3153	0.5614	Y= 57.33 +46.67X	0.89
2 nd	24	0.3750	1.102	Y=31.34 +59.99 X	0.90
	48	0.3580	0.8094	Y= 35.66 +63.34X	0.98
	72	0.3070	0.6550	Y= 51.66 + 50.0X	0.90
3 rd	24	0.3803	2.0463	Y=34.34+44.99 X	0.85
	48	0.2883	1.5035	Y= 45.12 +40.18X	0.96
	72	0.3308	0.7917	Y= 42.00 + 56.67X	0.98
4 th	24	0.5874	3.5164	Y= 23.00 +43.34X	0.99
	48	0.4421	2.3984	Y= 31.34 +43.33X	0.97
	72	0.3724	1.4175	Y= 35.00 +50.00 X	0.98

Note: LC = Lethal Concentration; R² = Coefficient of determination