

Table 2: Some biological parameters of *H. littoralis* treated as 1st nymphal instars with the LC₅₀ values of the tested extracts.

Biological parameters	Plant extracts Mean ± S.E				F-value
	<i>Epulchrrima</i>	<i>Ecotimfibia</i>	<i>D.vescosa</i>	Control (Artificial diet)	
1 st instar nymph	8.40±0.51a	8.60±0.40a	8.20±0.37a	7.20±0.37a	2.210 ^{NS}
2 nd instar nymph	8.80 ±0.58 a	9.00±0.32 a	8.80±0.37a	8.00 ±0.32a	1.157 ^{NS}
3 rd instar nymph	9.20±0.74a	9.60±0.40a	9.00±0.55a	8.20±0.37a	1.216 ^{NS}
4 th instar nymph	9.80±0.86a	10.20±0.49a	9.40±0.68a	8.80±0.37a	0.903 ^{NS}
5 th instar nymph	10.40±0.93a	11.00±0.78a	10.20±0.74a	9.00±0.45a	1.279 ^{NS}
Total nymphal period (in days)	46.60±3.50a	48.40±2.18a	45.60±2.48a	41.20±1.32a	1.504 ^{NS}
Pre-Oviposition period (in days)	20.40±0.93a	00.00±0.00b	20.60±1.08a	19.00±0.71a	159.534 **
Oviposition period (in days)	15.20±0.86 b	00.00±0.00 c	14.20±1.56b	34.80±1.86a	123.527 **
Post-Oviposition period (in days)	29.00±3.49b	00.00±0.00c	28.40±0.75b	37.00±2.10a	61.284 **
No. of deposited eggs/female	58.60±9.33b	00.00±00.00c	54.00±8.72b	151.00±9.32a	62.860 **
Percentage of Egg hatchability	46.60±3.25b	00.00±00.00c	52.20±5.28b	93.80±1.36a	146.493 **
Longevity (in days)	64.60±3.96b	63.00±5.21b	63.20±2.22b	90.80±2.40a	13.882 **
Total mortality percentage	54.00±10.77b	65.00±10.30b	46.00±16.31b	00.00±00.00a	5.694 **
Malformation percentage	42.00±9.17b	54.00±8.12b	46.00±10.30b	00.00±00.00a	9.141 **
Life span (in days)	129.80±5.47b	111.40±3.49c	128.00±4.16b	148.60±2.48a	14.130 **

**= Highly significant * = Significant NS= not significant at $P < 0.05$

Same letters within the horizontal column were not significantly different $P < 0.05$