

## REVIEWER'S REPORT

**Manuscript No.: IJAR-58417**

**Title: EFFECT OF MORINGA ON LARVAL DEVELOPMENT AND COCOON PARAMETERS OF MULBERRY SILKWORM, BOMBYX MORI (L.)**

### Recommendation:

Accept as it is .....

Accept after minor revision.....

**Accept after major revision .....**

Do not accept (*Reasons below*) .....

| Rating         | Excel. | Good | Fair | Poor |
|----------------|--------|------|------|------|
| Originality    |        | x    |      |      |
| Techn. Quality |        | x    |      |      |
| Clarity        |        |      | x    |      |
| Significance   |        | x    |      |      |

**Reviewer's ID: JPR-171**

## Detailed Reviewer's Report

### Overall Assessment

This manuscript presents an interesting and potentially valuable study on the use of moringa supplementation to enhance silkworm economic traits. The research addresses an important area of sericulture, offering a sustainable and cost-effective approach to improve silk production. However, the manuscript requires major revisions to meet publication standards.

The most critical issue is the lack of clear methodology regarding the number of replications and sample size for each treatment group. While the authors mention twenty larvae per group, it is unclear whether this represents a single replication or multiple replicates. Statistical analysis is mentioned but the results section lacks presentation of ANOVA outcomes, F-values, or degrees of freedom. The authors state significance at  $P < 0.001$  but do not specify which comparisons are significant or provide post-hoc test results.

The manuscript contains several formatting and typographical errors, including inconsistent use of "Bombyx mori" versus "Bombay mori," and "Bombay" throughout. The figures are referenced but not included in the submitted file, making it impossible to verify the graphical representation of data. The introduction and discussion sections are somewhat repetitive and would benefit from more critical analysis of the mechanisms underlying moringa's effects on silkworm physiology. The conclusion should more explicitly state practical recommendations for farmers regarding the optimal concentration (7.5%) and application method. Additionally, references require consistent formatting per journal guidelines, with some citations missing page numbers or DOIs. The authors should also consider including a clear statement on the limitations of their study and suggestions for future research. Upon addressing these concerns, this work will make a meaningful contribution to sustainable sericulture practices.