

Peer Review

Review of: "Aedes Distribution and Meteorological Effect on Ovitrap Index in Coastal Area of Besut, Terengganu: An Entomological Study"

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The author's effort in studying the relationship between climate and mosquito density will contribute valuable knowledge to the existing gap, especially in Besut, Terengganu. The weekly ovitrap data collected over the course of one year provides precious data for further exploration.

Major Suggestions:

1. The author could explain in detail the methods used for setting up the ovitraps. For example, were the ovitraps placed weekly, and were outdoor locations considered as areas outside of the house, or were semi-outdoor areas near the house corridor included?
2. There might be a time lag between the correlation of the ovitrap index and climate factors such as temperature and rainfall. The author could mention this in the study's limitations and explore how this delay could impact the observed results. This would be particularly relevant for rainfall, as its effects on mosquito density may not be immediate.
3. In addition to the ovitrap index, the author could consider analyzing the mean number of larvae per trap. This would provide further insight into mosquito density and help strengthen the findings.
4. The author could describe the surroundings of the placement of ovitraps that attract *Aedes aegypti* and *Aedes albopictus*. This would offer more information about the density of mosquitoes.
5. It would be beneficial for the author to include graphs showing the Ovitrap Index (OI) for *Aedes aegypti* and *Aedes albopictus* in comparison with rainfall and temperature. This visual representation would help demonstrate the relationship between climate and mosquito density.

6. The author could also consider describing the dengue case data in the study area to provide a broader context for the mosquito density findings.

7. The author could add the map of the study site.

8. In conclusion, what specific details about ovitrap placement could enhance understanding of mosquito attraction?

9. What additional information about the premises' structure or environment would be most helpful for understanding mosquito density? Additionally, it would be useful to describe the structure of the premises (e.g., landed single-storey houses or village houses). Are the premises connected or located at certain distances apart?

Minor Suggestion:

There is a spelling error in the word "collectedd." It should be "collected."

Declarations

Potential competing interests: No potential competing interests to declare.