

Peer Review

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

Catalina Alfonso-Parra¹

1. Instituto Colombiano de Medicina Tropical, Sabaneta, Colombia

The manuscript by Awang et al. examines the abundance of *Aedes* mosquitoes and their correlation with temperature, rainfall distribution, and the ovitrap index. The authors placed 3,120 ovitraps in the Besut district of Terengganu, Malaysia, over a 52-week period. The results suggest a correlation between the ovitrap index and temperature but no correlation with rainfall distribution. However, I have some concerns about the paper, which I have outlined below:

1. The paper requires better citations. For example, citation 6 does not provide any information about pathogen incubation periods or biting rates but instead discusses larval development. Similarly, citation 7 does not mention virus amplification at the end of the rainy season. Additionally, there are more appropriate references available for some other claims, such as in the case of citation 3.
2. Figure 1 is unnecessary.
3. The methodology section lacks clarity and detail. It should be presented in paragraph form rather than as a numbered list. Additionally, the term "identifying process" is vague and should be clarified.
4. How is the data from the Besut Meteorological Department Database structured? There should be a description of how frequently the data is collected and the methods the authors used for its analysis.
5. The legend for Figure 3 and Table 1 is unclear and potentially misleading.
6. Is there any information on differences in *Aedes albopictus* and *Aedes aegypti* presence in relation to temperature and rainfall? Does Figure 3 represent data for both species combined? Additionally, is there any information available on the number of mosquitoes recorded per week?

Declarations

Potential competing interests: No potential competing interests to declare.