

Review of: "The Imperative of a Comprehensive One Health Approach for Mosquito-Borne Disease Control in Indonesia"

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Potential competing interests: No potential competing interests to declare.

In the review of the work "The Imperative of a Comprehensive One Health Approach for Mosquito-Borne Disease Control in Indonesia," the author very clearly addresses the guidelines of the One Health approach that are explained in great detail throughout the manuscript. Throughout the work, the imperative importance of addressing the problem of mosquito-borne diseases from a comprehensive perspective becomes clear, articulating the different links of the epidemiological chain comprehensively.

The strength of this article lies in emphasizing joint intersectoral actions and the need to redistribute resources and implement policies that include the community to improve the response system and then the epidemiological situation in Indonesia. The health problems regarding mosquito-borne diseases are a very important issue at a global level, so new comprehensive approaches to be applied are welcome.

However, this research approach lacks the necessary local vision to recommend actions for Indonesia in particular. The current reality of the country needs to be described concerning the human population, vector population, and health situation, among others. Although the strengths of the One Health approach are detailed, they are mentioned in such a holistic way that they seem to describe the epidemiological situation anywhere in the world.

The article seems a good summary of the One Health approach in general, without giving clear specifications on how to implement it in Indonesia particularly. The heterogeneity of the country in terms of the epidemiological situation in the sectors that are more problematic than others is not mentioned; only "hotspots" are mentioned superficially. Vector control measures must be precise for each particular case, and specific actions should be recommended and detailed, which do not appear in this review.

"Mosquito-borne disease" is also mentioned in general terms, when the control actions are not uniform for all mosquitoes or for the pathogens that they vehiculize. Studies carried out in the country for different vectors and pathologies could be mentioned to clarify the local epidemiological situation, the strategies implemented for each one, and how this approach could improve them.

Furthermore, there are numerous self-references without mentioning sources from local health systems or detailing the methodology and criteria for selecting the information provided. For example, when briefly mentioning the increase in cases, morbidity, and mortality, the author is auto-cited, when the national health system should be cited really, among others.

The manuscript can be reviewed for editing.

- It is clear that the One Health approach recognizes the interconnection between human health, animal health, and the environment, and seeks their integration. This is repeated several times throughout the manuscript, which should be avoided.

- “Finally, infrastructure capacity building and resource allocation are considered. Strong infrastructure and adequate resource allocation are necessary for the effective implementation of the One Health strategy” It should be reformulated because it is repetitive.

- “Currently, there is still a gap between institutions that have not jointly carried out vector control efforts, which is one of the triggers for the increase in cases, deaths, and predictive rates related to mosquito-borne disease sources throughout Indonesia” the author should contribute to local data and case studies that reinforce this sentence.

Although this paper proposes a valuable contribution that describes the need for a comprehensive paradigm shift, there are no substantial contributions to improving the local health situation. This could be improved by describing the health situation in Indonesia and making specific local recommendations that could help improve it through the implementation of the One Health approach.