

# 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.

The article "The Imperative of a Comprehensive One Health Approach for Mosquito-Borne Disease Control in Indonesia" by I Made Dwi Mertha Adnyana underscores the critical need for a holistic strategy in battling mosquito-borne diseases within Indonesia through the One Health approach. This approach highlights the intertwined nature of human, animal, and environmental health to navigate the complexities and hurdles these diseases present. Here's an evaluation based on the outlined criteria:

## **Evaluation of Content and Substance:**

- **Depth of Coverage:** The author comprehensively outlines the situation regarding mosquito-borne diseases in Indonesia, detailing ongoing challenges despite various control efforts. The argument for adopting a One Health approach, as a thorough framework for addressing these challenges effectively, connects human, animal, and environmental health strategies.
- **Current and Pertinent:** The focus on a comprehensive, integrated health strategy is current and pertinent, considering the continuous public health threats from mosquito-borne diseases in tropical regions like Indonesia. This strategy aligns with global health trends favouring cross-sectoral disease prevention and control collaboration.
- **Innovation:** The manuscript enhances the existing knowledge base by emphasising the need for an integrated One Health strategy in Indonesia, a context previously marked by disjointed efforts. Its recommendations for enhancing vector surveillance, vector control strategies, human health capacity, communication, collaboration, and infrastructure mark a significant academic and practical contribution.

## **Author Recommendations:**

- **Detailing Key Concepts:** Although the article effectively outlines the One Health approach's importance, adding clarification and examples of successful implementations from other contexts could bolster the argument.
- **Documenting Successes:** Including more specific examples or case studies that show the positive outcomes from integrated health approaches in controlling mosquito-borne diseases would enrich the manuscript.
- **Looking Forward:** Discussing potential challenges in adopting the One Health approach in Indonesia and ways to address these issues would be beneficial. Proposing areas for future research could guide further academic efforts.

## **Publication Feasibility Considerations:**

- **Novelty:** The manuscript offers fresh insights into applying the One Health approach in Indonesia, notably advocating for merging human, animal, and environmental health perspectives to control mosquito-borne diseases.
- **Approach:** As a review, the article doesn't present a new research methodology but effectively compiles and discusses relevant literature and practices, fitting the article's goals.
- **Practical Implications:** The suggestions considerably affect Indonesia's public health policy and practices. Their implementation could significantly enhance the control strategies for mosquito-borne diseases through improved coordination and integration across sectors.