

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

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The article "The Imperative of a Comprehensive One Health Approach for Mosquito-Borne Disease Control in Indonesia" presents a detailed review of the importance of adopting the One Health paradigm in Indonesia for the control of mosquito-borne diseases. It argues that despite existing efforts, Indonesia continues to face significant public health challenges due to the complexity and interconnections between human, animal, and environmental health. It proposes the implementation of comprehensive strategies, emphasizing vector surveillance and monitoring, strengthening vector control strategies, improving human health and behavioral capacity, effective communication and collaboration, and increasing infrastructure capacity and resource allocation.

Scientific evaluation and constructive criticism.

Strengths:

- **Holistic Approach:** The article highlights the importance of the One Health approach, which is crucial to understanding and mitigating mosquito-borne diseases more effectively by integrating human, animal, and environmental health.
- **Strategy Breakdown:** Offers a detailed set of practical recommendations for implementation, covering surveillance, vector control, health education, and infrastructure, which is beneficial for formulating public policy.

Areas for improvement and/or suggestions:

- **Empirical Evidence and Case Studies:** The article could be enriched with more case studies and empirical evidence demonstrating the effectiveness of the proposed strategies in similar contexts. This would help strengthen the argument in favor of the One Health approach.
- **Cost-benefit analysis:** It would be useful to include a cost-benefit analysis of the recommended strategies. This could help policymakers better understand the potential return on public health investments and facilitate resource allocation.
- **Focus on Innovation and Technology:** Although it mentions the use of advanced technologies, the article could explore in more depth how specific innovations and emerging technologies (such as Artificial Intelligence and Big Data) can be integrated into control and prevention strategies.
- **Community Participation:** Reinforce the importance of community participation in mosquito-borne disease control and how this can be effectively achieved. Strategies for engaging communities more effectively could be more detailed.

In summary, the article makes a valuable contribution by highlighting the need for an integrated One Health approach to mosquito-borne disease control in Indonesia. Incorporating the suggestions mentioned could broaden its applicability and effectiveness, helping to shape more robust and sustainable public health policies.