

TABLE OF CONTENTS

PAGE OF RATIFICATION.....	ii
ASSERTION.....	iv
ACKNOWLEDGEMENT.....	vi
TABLE OF CONTENTS.....	ix
LIST OF TABLES.....	xi
LIST OF FIGURES.....	xii
ABSTRACT.....	xiii
INTISARI.....	xiv
INTRODUCTION.....	1
A. Background.....	1
B. Problem statement.....	3
C. Objectives.....	4
D. Benefits of Review.....	4
LITERATURE REVIEW.....	5
A. Mosquito-borne disease.....	5
B. Dengue and Malaria.....	7
C. Vector Control.....	17
D. Deployment of <i>Wolbachia</i> -infected in Dengue and Malaria	22
E. Theoretical Framework.....	27
METHOD OF REVIEW.....	28
A. Study Design	28
B. Literature Search Strategy.....	28
C. Eligibility of Criteria	29
D. Data Collection and Analysis.....	29
RESULTS AND DISCUSSION.....	33
1. Good impacts of Deployment of <i>Wolbachia</i> -infected mosquitoes in reducing Dengue and Malaria disease burden.....	55
A. Impacts of Deployment of <i>Wolbachia</i> -infected mosquitoes in reducing Dengue disease burden	55
B. Impacts of Deployment of <i>Wolbachia</i> -infected mosquitoes in reducing Malaria disease burden	58



UNIVERSITAS
GADJAH MADA

**A REVIEW ON THE IMPACTS OF THE DEPLOYMENT OF WOLBACHIA-INFECTED MOSQUITOES IN
REDUCING DENGUE AND
MALARIA DISEASE BURDEN**

BARATH, Prof. dr. Tri Baskoro T. Satoto, M.Sc., Ph.D. ;dr. Ajib Diptyanusa, DTM&H., MCTM. ;dr. Tridjoko Hadie
Universitas Gadjah Mada, 2022 | Diunduh dari <http://etd.repository.ugm.ac.id/>

2. Challenges faced by the Deployment of Wolbachia-infected mosquitoes in reducing Dengue and Malaria disease burden.....	61
A. Sustainability	61
B. Goals.....	62
C. Surveillance and Assessment	62
D. Host population ecology.....	63
E. Community acceptance	64
CONCLUSION AND SUGGESTIONS	66
A. Conclusion	66
B. Suggestions	67
REFERENCES	68
APPENDICES.....	75