PREFACE

All praise and gratitude are given to God Almighty. Through His endless blessings, love, and guidance, the author has been able to finalize the thesis entitled "Development of Global Warming E-Booklet Based on Environmental Literacy as Learning Resource for Grade X Students of SMAN 1 Dolok Batu Nanggar". This thesis is composed as part of the fulfillment of the requirements to achieve a Bachelor of Education degree in the Bilingual Biology Education Study Program, Department of Biology, Faculty of Mathematics and Natural Sciences, Universitas Negeri Medan.

The preparation of this thesis followed standard academic procedures at the Faculty of Mathematics and Natural Sciences, Universitas Negeri Medan, including topic selection, proposal development, research implementation, thesis writing, and final defense. The research topic was selected based on current issues related to environmental literacy, whose classroom implementation still requires improvement to prepare senior high school graduates to face the challenges of global warming. Therefore, this study aims to contribute to the improvement of environmental literacy implementation in the learning process.

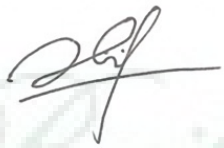
The author realizes that this thesis could not have been completed without the support of various parties, both directly and indirectly. On this occasion, the author would like to express her deepest gratitude to Prof. Dr. Ashar Hasairin, M.Si., as the thesis supervisor, for his guidance, motivation, and direction throughout the completion of this thesis. The author also extends sincere appreciation to Dra. Martina Asiati Napitupulu, M.Sc., Dr. Erlintan Sinaga, M.Kes., and Mr. Halim Simatupang, S.Pd., M.Pd., as the examiners, as well as Prof. Dr. rer. nat. Binari Manurung, M.Si., as the academic supervisor, for their valuable criticism and constructive suggestions from the proposal seminar to the thesis defense stage, which greatly contributed to the successful completion of this thesis. Furthermore, the author would like to express her deepest gratitude to Dr. Hasruddin, M.Pd., Ms. Nadia Mubarokah, M.Pd., Mr. Mustaqim, S.Pi., M.Si., and Mr. Rizal Mukra, M.Pd., as the validators of the e-booklet product and the research test instruments. The author would also like to express gratitude to the Principal of

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The author acknowledges that this thesis has certain limitations. Nevertheless, the author welcomes constructive criticism and suggestions and hopes that this thesis will be beneficial to relevant parties, especially in enhancing e-booklets for biology education. The author hopes that this research will encourage other researchers to undertake studies on e-booklets and environmental literacy.

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