PREFACE

Praise and gratitude to God Almighty, whose blessings and grace have enabled the author to successfully complete this thesis. This thesis was written to fulfill several requirements for a Bachelor of Education degree in the Biology Education Study Program, Faculty of Mathematics and Natural Sciences (FMIPA), State University of Medan (Unimed).

The preparation of this thesis has been a long and tedious process, encompassing various stages in accordance with standard procedures at FMIPA Unimed, including determining the research topic, developing a seminar proposal, conducting the research, writing the thesis, and defending the thesis. The selection of this research topic was based on the learning process, which lacks attention to the use of technology, particularly in the utilization of teaching materials, and specifically the challenges experienced by teachers and students.

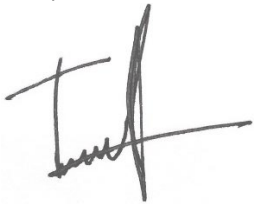
The author realizes that this thesis could not have been completed without the support of various parties, both directly and indirectly. I would like to take this opportunity to express my deepest gratitude to:

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Tiarma Ayu Lestari Matondang