

PREFACE

Praise and gratitude to God Almighty who has given His mercy and grace, so that the writing of this thesis can be completed properly. This thesis was written to fulfill some of the requirements needed to achieve a Bachelor of Education degree in the Bilingual Chemistry Education Study Program, Faculty of Mathematics and Natural Sciences (FMIPA), Universitas Negeri Medan (UNIMED).

The preparation of this thesis has gone through a long and tiring process and various stages in accordance with standard procedures in force at FMIPA Unimed, starting from the stages of determining research topics, preparation and seminar proposals, conducting research, preparing thesis, and defending the thesis examination. The selection of research topics is based on current problems related to the implementation of the 2013 Curriculum. The implementation of this curriculum in the classroom still requires improvement in order to produce high school graduates who have cognitive, psychomotor abilities and a balanced attitude and are ready to face the industrial revolution 4.0.

The author realizes that the preparation of this thesis would not have been completed without the support of various parties, either directly or indirectly. Through this opportunity, the author would like to express his gratitude to all those who have helped in the preparation of the thesis. A big thank you goes to the honorable:

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The author realizes that this thesis still has shortcomings and limitations, however, while expecting constructive criticism and suggestions, the author hopes that this thesis can be useful for related parties, especially in improving the implementation of the 2013 Curriculum in the classroom.

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