

Acknowledgement

Praise and gratitude to God Almighty who has given mercy and grace to author, so that the author can complete this thesis well. This thesis was compiled to fulfill part of the requirements to achieve a Bachelor of Education in Strata 1 (S1) Education at the Science Education Study Program, Faculty of Mathematics and Natural Sciences (FMIPA), Medan State University (Unimed). The preparation of this thesis has gone through various stages in accordance with standard procedures that apply at FMIPA Unimed, starting from the stage of determining the research topic, drafting and seminar proposals, conducting research, compiling a thesis, and defending a thesis. The selection of research topics is based on current problems related to less innovative learning models and approaches in educational institutions, causing low learning outcomes and student learning activities.

The author realizes that the preparation of this thesis could not be completed without the support of various parties. Through this opportunity, the author would like to express her gratitude to all those who have helped in the preparation of this thesis. The author would like to express my gratitude and love to my parents who always support the writer. The authors thank Prof. Dr. Herbert Sipahutar, M.S., M.Sc as the author's academic supervisor. A big thank you is also conveyed to Mrs. Nora Susanti, S.Si., M.Sc, Apt. as a Thesis Advisory Lecturer, for his extraordinary guidance, motivation, and direction so that all stages in the preparation of this thesis can be passed well. To Mr. Dr. Wawan Bunawan, M.Pd., M.Sc., Mr. Halim Simatupang M.Pd, and Dr. Lisnawaty Simatupang, M.Sc. as Examiner Lecturer, who has given many criticisms and suggestions for improvement, starting from the proposal seminar to the thesis defense examination stage. The authors also thank the Principal of SMP Negeri 35 Medan and Mrs. Sri Mulyani as a science teacher at SMP Negeri 35 Medan for their assistance in the research phase. The author said thanks to her best friends, Kartini, Rika, Fidya, Masyitah, Fauziah for their support and thanks to her dear classmates who always support her. To the Ministry of Research and Technology, the author also thanks very much for the Bidikmisi scholarship assistance given to her while she was studying at Unimed. Without the scholarship, she would not be able to complete this study properly.

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.

Medan, June 2022

Writer,

Siti Aisyah Hapsari



THE
Character Building
UNIVERSITY