PREFACE

Praise and gratitude to God Almighty for His abudance of grace, and guidance that gives health and wisdom to the author so that he can finish writing the thesis properly. The thesis entitled "The Effect of Discovery Learning Model Assisted by Multimedia to Student Learning Outcomes on Static Fluids Material in Class XI Semester I SMAN 7 Medan A.Y 2019/2020" was prepared to obtain a Sarjana Pendidikan (S1) in the Department of Physics, Faculty of Mathematics and Natural Sciences.

On this occasion the author would like to thank the Chancellor of the Universitas Negeri Medan, Mr. Dr. Syamsul Gultom, S.KM, M.Kes, Mrs. Martina Restuati, M.Si as Dean of FMIPA, Mr. Dr. Wawan Bunawan, M.Pd., M.Si, as the head of the Physics Department of FMIPA Unimed, Dr. Dewi Wulandari, S.Si, M.Si as chairman of the department of Department of Physical Education, and thanks to Mr. Sabani, S.Pd., M.Si as secretary Department of Physics and the Prof.Motlan, M.Sc., Ph.D as the thesis supervisor who has provided a lot of guidance, direction, and suggestions to the author, from the beginning until the completion of thesis writing.

The author also expresses his gratitude to Prof. Dr. Sahyar, MS., MM, Mrs. Dr. Mariati Purnama Simanjuntak, S.Pd., M.Si. Mr. Dr. Ridwan Abdul Sani, M.Si as examiners who have provided input and suggestions constructive to the writer so he can compile this thesis properly. The author also thanks Dr. Rita Juliani M.Si as the academic supervisor who has guided the author from the beginning of his study until now. The author would also like to express his gratitude to all the lecturers of the Department of Physics and the staff

The author would like to thank the head of the SMAN 7 Medan, who has given the author's permission to carry out research at the school he leads, and thanks to Mrs. Sitanggang, S.Si, as a physics teacher who has helped, guided and directing the author during research at SMAN 7 Medan, as well as gratitude to

teachers and administrative staff of SMAN 7 Medan who have provided opportunities and assistance to the author during conducting research.

The author would especially like to thank the two beloved parents, who always provide prayers, support, encouragement, and material to the author so that thanks to the love and prayers of the authors' parents, they were able to complete their undergraduate education studies at the Universitas Negeri Medan. Thanks also to my brothers and my g arandparents well as other families who have cared about my studies and asked about my studies.

I would also like to thank and especially to Meliana E Manurung, who always gave motivation, prayers, enthusiasm, and time and became a place to share the joys and sorrows of the author during his undergraduate education. As well as thanks to my comrades in private, Lest Go private and also IKBKF who always support and pray for me to finish my studies.

My thanks go to my friend Yohanes Simbolon and my classmates, Bilingual Physics 2016, although some have graduated and some have not.

And thank you to fellow soldiers of KKN Bonan Dolok and Kost Jl.rela No104A who have remained faithful to accompany and provide support to me that I cannot say one by one.

The author has tried his best in completing this thesis, but the author realizes that there are still many weaknesses in both the content and grammar of the thesis writing, for that the writer expects suggestions and criticism from the readers for the perfection of the thesis. Hopefully this thesis can be useful in enriching education knowledge.

Medan, March 2021 Author

Melki Waddy Silalahi NIM. 4151121029