## PREFACE

Praise and gratitude the author prayed to God for all His grace so that this thesis can be completed well. This thesis is entitled **"The Effect of Problem-Based Learning (PBL) Models on Problem-Solving Ability on Science Material in Class VII" was prepared to acquire Sarjana Pendidikan (S1) in Natural Science Study Program, Faculty of Mathematics and Natural Science, Universitas Negeri Medan.** 

The author realized that it was very difficult for me to complete this thesis without the help and guidance of various parties from the lecture period to the process of preparing this thesis. Therefore, on this occasion, the author would like to say thanks to the chancellor of FMIPA of Universitas Negeri Medan, Mrs. Prof.Dr. Fauziah Harahap, M.Si. as dean of the FMIPA and staff, Mrs. Dr. Ely Djulia, M.Pd. as Bilingual Coordinator and staff.

The author would like to say thanks to Mrs. Dr. Mariati Purnama Simanjuntak, M.Pd. as my thesis supervisor who has given guidance, advice, motivation, and suggestions to the author from the beginning until the completion of this thesis. The author also would like to thank Mrs. Prof.Dr. Matina Restuati, M.Si. is my academic supervisor, who has guided, cared for, and supported the author during her education at Universitas Negeri Medan. The author also would like to thank Mrs. Dr. techn. Marini Damanik, M.Si. as my first examiner, ir Alkhafi Maas Siregar, M.Si. as my second examiner, and the third examiner Mrs. Dr. Lisnawaty Simatupang, M.Si, who have provided many constructive suggestions for writing a better thesis.

The author also would like to thank Sir Aristo Hardinata, S.Pd., M.Pd., and Sir Halim Simatupang, S.Pd., M.Pd. as my validators. Mrs. Farida Hanuma, S.Pd., and Mrs. Siti Sundari, S.Pd as a teacher who provided, helped, and guided the author in conducting research at SMPN 27 Medan, and also to all students VII SMPN 27 Medan as my research sample who gave the chance to do this research.

In particular, the author would like to express the deepest gratitude to the people whom the author loves especially my father Mr.Pesman Simbolon my mother Mrs. Berliana Sihombing, my sisters Reflina Simbolon, Yessika Simbolon, and my brothers Lismen Simbolon, Gilbert Simbolon and Vandyko Simbolon, my uncle Mikler Sihombing, my aunt Erniwati Simnjuntak, my cousin Rafael and Steven Sihombing who always provide support in terms of material, motivation, advice and especially for prayer so that the author can complete study at Universitas Negeri Medan.

The author also would like to thank my classmate NSESP'18 who has encouraged me, sharing knowledge and love with the author during my education at Universitas Negeri Medan, and KKN's friend who has supported me. Especially the author would like to my best sister Lely Grasela Mahulae, S.Pd., and Shinta Rap Sitinjak, S.Pd. who always provided support, and motivation and became a support system for the author and were always there for the author and gave unconditional love. All parties who have provided help, prayer, and support that the author simply can't name individually.

Last but not least, I would like to thank myself for all the effort and hard work that has been put into the process from the beginning to the end of this college. I wanna thank me, I wanna thank me for believing in me, I wanna thank me for having no days off, I wanna thank me for never quitting, I wanna thank me for being me at all times.

Finally, the author hopes that God will reward the kindness of all those who have helped. Hopefully, this thesis will be useful for readers and will benefit the development of science.

> Medan, July 2024 Author

Alenda \$imbolon IDN. 4183151032