

## PREFACE

There are no beautiful words other than praise and gratitude for His blessings, the writer is given health so that the writer can complete the final assignment in the form of a thesis entitled "Analysis of Student's Mathematical Communication Ability in the Implementation of the Jigsaw Type Cooperative Learning Model in SMP Negeri 35 Medan". This thesis was created to fulfill one of the Bachelor of Education (S.Pd) requirements in the Bilingual Mathematics Education Study Program, Faculty of Mathematics and Natural Sciences, Medan State University.

The author realizes that this thesis was only complete with the help, support, guidance, and advice from various parties during the preparation of this thesis. On this occasion, the author sincerely conveys to:

1. Dr. Syamsul Gultom, S.KM., M.Kes as a rector Universitas Negeri Medan
2. Prof. Dr. Fauziyah Harahap, M.Si as a dean of faculty mathematics and natural science Universitas Negeri Medan
3. Dr. Pardomuan Sitompul, M.Si as a head of mathematics department of faculty mathematics and natural science Universitas Negeri Medan
4. Nurhasanah Siregar, S.Pd., M.Pd as a head of mathematics education program, faculty mathematics and natural science Universitas Negeri Medan
5. Dr. Ely Djulia, M.Pd as a coordinator of mathematics education program, faculty mathematics and natural science Universitas Negeri Medan
6. Prof. Dr. Bornok Sinaga, S.Pd., M.Pd as a thesis supervisor who has guided me loving, provided motivation, direction so that this thesis could be completed
7. Dr. Kms. Muhammad Amin Fauzi, M.Pd as an academic supervisor who has guided me, provided motivation, direction as long as I in Universitas Negeri Medan
8. Prof. Zul Amry, M.Si., Ph.D, as a first examiner, Mangaratua M. Simanjorang, M.Pd., Ph.D as a second examiner and Nurhasanah Siregar, M.Pd as a third examiner who has given many suggestions and criticisms that help me finish this final project well.

9. Rosmayani Harahap, S.Pd, as headmaster of SMPN 35 Medan, and Friyenti Asni, S.Pd., as homeroom of VIII-6 class and students of VIII-6 class who allow and help me in finishing my research in SMPN 35 Medan.
10. A special thank you to my parents, who the author really admire. My father Kasianus Simanjuntak and My mother Tia Maret Marlina Hutabarat have inspired me to complete my studies at UNIMED. Through the course of their lives, they have lovedly cared for, raised, and educated me.
11. Special for my best friend KAMI CANTIK, Anestasya Sirait, Dinda Apriani Hia, Grace Margareth Stevany Sinurat, Tasya Natali Sihombing who always supports me and who helped in writing this thesis.
12. Special thank to all my classmates BILMATH 19 who have participated in helping me work on my thesis
13. Thank to anyone who has helped, supported and been involved in the work on this thesis, your name is not on this list but my sincere prayers will always be with you
14. *Last but not least*, thanks for myself. Thank you for fighting together through all of this. Thank you for never giving up and always believing that we are capable. Thank you for being myself with the best version we have.

Medan, July 28<sup>th</sup> 2023

Sincerely,



T. Asima Sulys Simanjuntak  
IDN. 4193111054