

PREFACE

Give thankfulness to Allah SWT that gives the God's mercy and spirit so that writer can finish this thesis. The title of this thesis is "The Implementation of Group Investigation Learning Model to Improve the Students' Mathematical Communication Ability of Eight Grade SMP N 4 Pematangsiantar Academic Year 2014/2015". This thesis was arranged to satisfy the requirement to obtain the Degree of Sarjana Pendidikan from Faculty Mathematics and Natural Science in State University of Medan

In the completion of this thesis, the writer received support from various parties, therefore it was appropriate writer big thanks to Mr. Prof. Dr. Sahat Saragih, M.Pd as my thesis supervisor who has provided guidance, direction, and advice to the perfection of this thesis. Thanks are also due to Prof. Dr Asmin, M.Pd and Drs. Banjarnahor, M.Pd and Dra. Nerli Khairani, M.Si as my examiners who have provided input and suggestion from the planning to the completion of the preparation of the research of this thesis. Thanks are also extended to Drs. Sahat Siahaan, M.Pd as academic supervisor and then thank you so much for all my lecturer in FMIPA.

My thanks are extended to Prof. Dr. Ibnu Hajar, M. Si. as rector of State University of Medan and employee staff in office of university head, Prof. Drs. Motlan, M.Sc., Ph.D as Dean Faculty of Mathematics and Natural Sciences and to coordinator of bilingual Prof. Dr. rer.nat. Binari Manurung, M.Si., Drs. Syafari, M. Pd. as Chief of Mathematics Department, Zul Amry, M. Si. as Chief of Mathematics Education Study Program, Drs. Yasifati Hia, M. Si as Secretary of Mathematics Education, and all of employee staff who have helped the author.

Thanks to Mr. Riduan, S.Pd. MM as principle of SMP N 4 Pematangsiantar who has given permission to writer do research, Mrs. Marningot Parhusip S.Pd as mathematics teacher and all teacher, staffs and also the students in grade VIII-5 SMP N 4 Pematangsiantar who have helped writer conducting the research.

Especially the witer would like to express my gratitude to my dear father Mr.Lukman Purba that always give me motivation and my dear mother Mrs. Jumiati continues to provide motivation and prayers for the success of the writter completed this thesis. Special big thanks to my beloved sister Laila Afriani Purba, my uncle Mr.Maniso, my brother Mr.Imam Sukoco and his wife Mrs. Herawati and Halim Pratama that always give me support even moril or material and all my family for all pray, motivation, and support until the end of writer's study.

Writter wants to say thanks to my best friends in Bilingual Mathematics Class 2010, Abdul, Anggi, Dian, Dwi, Elfan, Erlin, Kiki, Falni, , Mila, Maria, Meiva, Martyanne, Melin, Nelly, Surya, Petra, Riny, Rully, Sartika, Shela, Siti, Uli, Mimi for the valuable support and motivation.

The writer should give a big effort to prepare this thesis, and the writer know that this thesis have so many weakness. So that, the writer needs some suggestions to make it this be better. And big wishes, it can be improve our knowledge.

Medan, September 02th 2014

Author,

Lia Novi Utami Purba

ID. 4103312017