PREFACE

Firstly, writer would like to thanks to Allah SWT for His mercy and blessing to writer thus because of His love the writer is able to finish this thesis.

In this chance, writer wants to extend gratitude to Mr. Drs. Syafari, M.Pd as thesis advisor who has made his time for giving brief and guidance from beginning until the end of writing process of this thesis. Gratitude also writer delivers to Mr. Prof. Dr. Mukhtar, M.Pd, Mr. Dr. E. Elvis Napitupulu, MS, Mr. Dr. Edi Syahputra, M.Pd as thesis examiner who has given advice and suggestions from beginning of research planning until the compiling of this thesis finished.

Thanks a lot also to Mr. Prof. Dr. Sahat Saragih. M.Pd as academic advisor who has given guidance and suggestion along the study in State University of Medan. Thanks a lot also to Mr. Prof. Dr. Ibnu Hajar, M.Si as head of State University of Medan, Mr. Prof. Drs. Motlan, M.Sc., Ph.D as dean of mathematics and natural sciences faculty, Mr. Drs. Syafari, M.Pd as head of department, Mr. Drs. Yasifati Hia, M.Si as secretary of mathematics department, Mr. Drs. Zul Amry, M.Si as head of mathematics education program, Mr. Prof. Dr. ret. nat. Binari Manurung, M.Si as coordinator of bilingual program and also for all lecturer and staff of mathematics department who has helped and facilitation during compiling process of this thesis.

Thanks to Mr. Hanafiah. I. S.Pd. M.M as principle of SMP Negeri 1 Binjai who has given permission to writer to do the research, Mrs. Hanida Bangun, S.Pd as mathematics teacher and all teacher and students in grade VIII-3 of SMP Negeri 1 Binjai who has helped writer in conducting the research.

The special gratitude, writer wants deliver to dear loving father Alm. Drs. Sukimin Pranoto and the dearest mother Dra. Suriani who have given a lot of love, pray, motivation and spirit who help writer to finish the study. Special thanks also to my brother Diki Pradinata S.Pd and also to my beloved sisters Rika Pratiwi and Karlina Maha Rani and all family for all pray, motivation and support until the end of writer study.
Thanks also to every member of UMMAT for all spirit, support and experience that has been shared to writer. Writer is indebted to bilingual mathematics education 2009 big family for helping along the study in State University of Medan. They are Rizky, Siska, Eni, Qory, Noya, Evi, Epril, Dila, Joy, Siti, Nurhabibah, Iin, Dini, Retni, Iwan and Widia. And also thanks to all partner in PPLT Unimed 2012 in SMA Negeri 1 Tebing who always gave support and shared experience with writer.

Writer realized that there are still weakness in contents and grammar of this thesis, so writer receives critics and advices from the reader that can make this thesis be better. Hopefully, this thesis can be useful for education world.

Medan, 9 December 2013
Writer,

Rini Prautami
ID. 409312024