

PREFACE

The greatest thankfulness is given to The Almighty God, my Lord Jesus Christ, for gives blessing, health, and wisdom to the author until the thesis entitled “The Increasing of Students’ Mathematical Communication Ability by Using Think-Talk-Write (TTW) Model in Quadrilateral of Grade VII at SMP Negeri 1 Onan Ganjang” was finish. This thesis was arranged to fulfill the requirement for Mathematics Education Bachelor’s Degree of Mathematics and Natural Science Faculty in State University of Medan.

In the completion of this thesis, the author was achieves so many helps and supports from various sides. For that, the author says thank you so much to Dr. Izwita Dewi, M.Pd as thesis supervisor who patiently guides the author by giving advice, input, and remarks. Also the author says thank you so much to Prof.Dr. Asmin,M.Pd, Dr. KMS. Amin Fauzi, M.Pd, and Prof. Dr. Bornok Sinaga, M.Pd as examiner lecturers for reviewing thesis by give input and great comments for this thesis perfection. Author say thank you so much to Dr. Syafari,M.Pd as academic supervisor who gives advices during lecturing process and also thank you so much for all FMIPA lecturers.

Big 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., Dr. Edy Surya, M.Si. as Chief of Mathematics Department, Dr. Zul Amry, M.Si., Ph.D as Chief of Mathematics Education Study Program, Drs. Yasifati Hia, M.Si as Secretary of Mathematics Education Department, and all of employee staff who have helped the author.

Especially the writer would like to express my gratitude to my belovedmother Oktarida Batubara, S.Pd and father Hisar Tampubolon (+) for their pray, advice, high motivate, endless love and financial support that have enable her to finish her thesis.

Special big thanks to Hotnida Tampubolon (beloved sister) and her husband B. Simanjuntak, S.E , Briptu Leonardo Tampubolon(+) (beloved brother),Bripka Rony Tampubolon (beloved brother) and Bintang Benyamin Simanjuntak (beloved nephew) who always gave supports and prays.

The author also says thank you so much to Hanifah Hasti Purba as school principle, Maya LumbanSiantar, S.Pd as mathematics teacher, all of teachers and staffs, and also VII-Bstudents in SMP Negeri 1Onan Ganjang who have helped the author during research action.

Special thanks to big family in Bilingual Mathematics Class 2010: Abdul (tam's), Anggi, Dian, Dwi, Elfan, Erlin, Kiki, Ana, Lia, Mila, Maria, Martin (tam's), Meiva, Melin (tam's), Nelly, Surya, Petra, Rully, Riny, Sela, Siti, Uli, Mimi. And all my friends at PPLT in SMA Negeri 2 Kisaran, Yasir, Nurul, Nia, Sheila, Uli, Kartika, Rofi, Eska, Tri, Selly, and also thanks for Bripda Miwarddo Sahpin Hutajulu, Afriyeni Hutajulu (Aju Yeni)who gave support and motivation during completion of thesis.

The author already gave the big effort to write this thesis, and about the weakness of thesis the author need some suggestions to make it better. For the last, the author hopes the contents of this paper would be useful in enriching the knowledge.

Medan, Februari 2015

Author,

THE
Character Building
UNIVERSITY

Sartika Tampubolon
ID. 4103312024