

## PREFACE

Praise and thanks to Allah Subhanallahu Wata'ala Who has give for all the graces and blessings that provide health and wisdom to the author such that the author could finish this thesis well. This thesis which entitled "The Comparison of Students' Mathematical Problem Solving Ability taught by Cooperative Learning Model of Numbered Heads Together and Think Pair Share in Grade IX SMPN 13 Medan Academic Year 2016/2017" is submitted in order to get the academic title of Sarjana Pendidikan from Mathematics Department, FMIPA Unimed.

In this part, the author would like to thank for all supports which gained for completion of this thesis. Special thanks to Dr. Edy Surya, M.Si., as thesis supervisor who has provided guidance, direction and advice from the beginning until the finishing part of this thesis. Great thanks are also due to Prof. Dr. Mukhtar, M.Pd., Dr. KMS Amin Fauzi, M.Pd., and Denny Haris, S.Si, M.Pd., as thesis examiners who have provided builded suggestion and revision in the completion of this thesis. Thanks also extended for Dr.Izwita Dewi, M.Pd as academic supervisor and also for all lecturers in FMIPA Unimed.

The author also expressed sincerely thanks for Prof. Dr. Syawal Gultom, M.Si as Rector of Unimed, Dr. Asrin Lubis, M.Pd as Dean of Mathematics and Natural Sciences Faculty, Dr. Iis Siti Jahro, M.Si as Coordinator of Bilingual Program, Dr. Edy Surya, M.Si as Head of Mathematics Department, Drs. Yasifati Hia, M.Si as Secretary of Mathematics Education, and all staff employess which supported in helping author.

Appreciation also present to Drs. Jaya Ginting as Headmaster in SMP Negeri 13 Medan, Drs. Simaremare as Mathematics teacher who has provide guidance when the research was held and all teachers and staff employes who helped author conduction the research well. Another thanks expressed by the

author to all of students in SMP Negeri 13 Medan for cooperative and helping when the research.

Most special thanks especially would like to express for my beloved father Mr. Iklanuddin, SE., and my mother Mrs. Drs. Jetty B. Pardede also older brother Fajar Ferdian Nugraha S.Kom and older sister Fanny Fairinanadya Ningrum S.Kom and all family who have supported, material, prayed, and gave the author encouragement and funding to complete the study in Mathematics Department.

The author also thanks to Girls' Generation members Shinta Bella G.S, Rahima Azzakiya, Mutiara Naibaho, Windy Erlisa, Aisyah Tohar, Aida Syahfitri, Erika A. Simbolon, and who have made my life was happy, enjoyable and memorable. Also big thanks for second family of BilMath 2012: Adi, Desy, Friska Elvita, Friska Simbolon, Bowo, Rudi, Dillah, Rani, and Totok for all support, sadness, happiness and togetherness during first semester until eight semester. Thanks for author's bestfriends when author was in school until now angkatan Sepuluh, Derin P. Sianipar and Ririn Darianto then the oldest friend Riza Fadillah. For all of PPLT Unimed 2016 SMA Negeri Plus Matauli Pandan especially Anggi, Anis, Miyzan, Nida, Lia, Rosyadi and also all of my students when I was doing practice. Thanks for the supports and the motivation.

At last, the author has finished and maximally to complete this thesis. But certainly there are still some imperfection in this research. The author welcome any suggestions and constructive criticism from readers for this thesis perfectly. The author also hope the content of this research would be useful in enriching the reader's knowledge. Thank you.

Medan, January 2017  
Author,

Febby Faudina Nestia  
ID. 41233120008