

PREFACE

Give thanks to Jesus Christ should give me more spirit to finish my thesis. The title of this thesis is “Analysis Difference in Creative thinking of Student Through the application of Problem Based Learning Model and Cooperative Learning Model Jigsaw Type”. This thesis was arranged to satisfy the law to get the Sarjana Pendidikan of Mathematics and Science Faculty in State University of Medan.

For this chance writer want to say thank you so much for my lovely father Mr. Drs. Bonaraja Purba, M.Si. and my lovely mother Ms. Romlah Sinaga, S.Pd. which always give me motivation, pray and all of my needs until finishing this thesis. And then, thank you so much for my brothers Agung, Adrian and my lovely sister, Lestari, Eki, Dewi, Deasy, Yoyo and Angely.

Writer says thank you for the Rector of State University of Medan, Mr. Prof. Dr. Ibnu Hajar, M.Si and his staff, Mr. Prof. Drs. Motlan, M.Sc., Ph.D for a dean of FMIPA UNIMED and his college assistant of Dean I, II, and III in UNIMED, Mr. Prof. Dr. Mukhtar, M.Pd for a Leader of Mathematics Department, Mr. Drs. Syafari, M.Pd for a leader of mathematics education study program and then Mr. Drs. Yasifati Hia, M.Si for a secretary of Mathematics Department.

Special Thanks for Mr. Prof. Dr. Bornok Sinaga, M.Pd, because he should be guide me to prepare this thesis. And then thanks a lot for Mr. Prof. Dian Armanto, M.Pd., M.A., M.Sc., Ph.D, Mr. Prof. Dr. Mukhtar, M.Pd and Mr. Drs. Yasifati Hia, M.Si, who's the persons responsible for my thesis from the beginning until end. Thanks to Mr. Prof. Dr. Sahat Saragih, M.Pd for my

academic supervisor and then thank you so much for all my lecturer, and staff in FMIPA.

Writer also say thank you to Mr. Drs. Jontar Sitohang, the principal of SMA Budi Murni 2 Medan, and then say thank you to for mathematics teacher which help the writer in the research activities.

Thank you so much for my lovely friend in Bilingual Class Mathematics Education 2008.

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

Medan, September , 2012

Writer

Pratiwi B Purba
408111088