ACKNOWLEDGEMENT

First of all, the writer thank and praise God for His Love and mercy for blessing hence writer is able to finish this thesis with title "The Comparison Between POE (*Predict-Observe–Explain*) and TPS (*Think–Pair–Share*) Learning Model on Student's Learning Achievement, Activity, and Critical thinking Skill on Human Circulatory System Grade XI IA SMA Negeri 2 Balige Academic Year 2013/2014 to fulfill one of the requirement for the degree of Sarjana Pendidikan in Biology Department, FMIPA Unimed on time.

The writer would like to express appreciations to all people with whom she has been working with. First, she thanks to Dr. Ely Djulia as writer thesis supervisor who has generously spent precious time in giving the guidance, encouragement, comments and suggestions until this thesis comes to its present form. The enormous appreciation is addressed to Dra. Martina A. Napitupulu, M.Sc, Dra. Meida Nugrahalia, M.Sc, and Syarifuddin, M.Sc, Ph.D, as the examiners for their criticisms and valuable advices. The writer would also like to thank **Prof. Drs. Motlan, M.Sc, Ph.D.**, as a dean of the Faculty of Mathematics and Natural Science, Prof. Dr. Herbert Sipahutar, MS., M.Sc a first vice of dean, Prof. Dr.rer.nat. Binari Manurung, M.Si as coordinator of Bilingual, Drs. Tri Harsono, M.Si as the chairman of Biology Department, Mrs. Rice Aritonang for her administrative assistance, and all lecturers of Biology Bilingual Education Program. Special thanks are extended to the headmaster of SMA Negeri 2 Balige Aldon Samosir, S.Pd and Biology teacher Rohani Siburian, S.Pd, M.Si and all teachers and students (XIIA-5 and XIIA-6) of SMA Negeri 2 Balige who have help the writer during the research.

Special thanks to her beloved parents, the late A. Simarmata and Nurhaida br Manik, for the genes and her beloved grandmother Kastina br Sihaloho for her endless love, unfailing support, encouragement throughout the entire life, and also brothers and sister for their support and kindness (Kristian Simarmata, ST, Hernika Hutauruk, ST, Hermian Simarmata, S.Si, Jaksen Simarmata, Rino Pardede, SE, Togi Simarmata, Andri Manik, SE, Dwi

Indah Manik, S.Ked, David Manik, Ego, Tiur, Anggun, Lulu, Sony, Melky, Yovi etc), all nephew and nieces (Bonatua, Belicia, Rahmanda, Alessa, Nia, Weni, Joe etc) and my "SIMARMATA's Big Family and Aunt Lince Sianipar.

Lucky to have amazing friends in Biology Bilingual'09 for togetherness during the study. Especially Nella Sitinjak S.Pd, Rilly Andika, S.Pd, Siti Aini S.Pd, Devie Wani S.Pd, ViJe S.Pd, Asri Ivo S.Pd and Dwi Rahmanarsih S.Pd, Tresia Sihombing S.Pd and Agnes Pasaribu, S.Pd for their motivation, kindness, and encouragement. Thank to Ayah Idris Pasaribu, SH, M.Hum and Aunty Aishah Othman for their huge encouragement and prayer during finishing this thesis and all of my friends in KSI (Komunitas Sastra Indonesia) Medan. Thanks to Elna Sipayung and all sisters in Kos 139 Pardamean and all family and/or friends are also undeniable.

The writer has put all efforts and time to finish this thesis. She very aware about all things that are not acceptable for the readers. She welcomes all suggestions and advices to improve the quality of this thesis

Medan, April 2014 Writer.

Remli Nelmian Simarmata 409342027

