ACKNOWLEDGEMENT

First of all I would like to devote my greatest thanks to the Almighty God, Jesus Christ who always give blessing and provide health, wisdom, strength, knowledge and material for writer in composing this thesis accordance with the planned time.

The title of thesis is “The Effectiveness of Guided Inquiry Learning Model with Macromedia Flash to Increase Student’s Achievement on the Teaching Colloidal System in Senior High School” that arranged to obtain the degree of Sarjana Pendidikan in Chemistry Department, Faculty of Mathematics and Natural Science, State University of Medan (Unimed).

In this opportunity, the writer would like to express the thanks and great appreciation to Prof. Dr. Albinus Silalahi, M.S as my thesis supervisor for his valuable time spent in giving guidance, advices, motivation, and suggestion during completing this thesis and also thanks to Dr. Zainuddin Muchtar, M.Si., as Academic Supervisor for his support and advice when learning in college. The writer also thanks to Prof. Dr. Retno Dwi Suyanti, M.Si., Drs. Bajoka Nainggolan, M.S., and Agus Kembaren, S.Si, M.Si., as examiner for this thesis that giving me advices, suggestion, guidance, and constructive comments for this thesis’s completeness.

The writer also says thanks to Prof. Drs. Motlan Sirait, M.Sc, Ph.D., as the Dean of Mathematics and Natural Science Faculty, State University of Medan, Prof. Dr.rer.nat. Binari Manurung, M.Si., as the Coordinator of Bilingual Program, Dr. Iis Siti Jahro, M.Si., as Secretary of Bilingual Program, Agus Kembaren, S.Si, M.Si., as the head of Chemistry Department and Mr.Syamsudin as administrator of Bilingual Office for their advices and other necessary administrative business. The writer also says thanks to Prof. Dr. Retno Dwi Suyanti, M.Si., as instrument’s validator in this research.

The author appreciation’s also given to Drs. Darwin Siregar, M.Pd as Principal of SMA Negeri 15 Medan and chemistry teacher of SMA Negeri 15 Medan Dra. Lisnawati Ginting who gave me chance to done the research there.
A deepest love, appreciation and thanks also goes to my parents, Alm. Drs. Darwin Bangun and Dra. Rosida Meliala, also my brother Hiskia Andika Putra Bangun, my sister Clara Sri Menda Bangun, my cousin Filya Dina Sari Bangun for their motivation, prayers, strength, and financial support to me during my university lecture process. They are the most important people in my world and I dedicated this thesis to them especially to my best daddy.

Special thanks are given to all my crazy classmate that I can’t mention one by one in Bilingual Chemistry Education 2011 that always give me the best moment in my education process, especially for my best ever Angela Sinambela and Anggun Pardosi that always give me support and spirit and always patient to hear and answer my many question. I also thanks to my PPL friends SMAN 2 Lintongnihuta Nova, Nancy, Tari, Aprita, Ricky, Ucok, Jasmen, Doni, Joni, Roni, and Togi for all great experience. The writer also would like to say thanks to every one whose names cannot be mentioned one by one for your support and helping in my thesis process.

Finally, writer hopes this thesis can be used for those who would like to explore more about learning model in colloidal system. The writer realize that this thesis is still far from being perfect therefore critique and suggestion are needed for further improvement of this thesis.

Medan, June 2015
The Writer,

Yolanda Octa Putri Bangun
IDN. 4113131081