ACKNOWLEDGEMENT

The greatest thankfulness is given to Almighty God, Jesus Christ who always give blessing and provide health, wisdom, strength, spirit, knowledge and material for writer in composing this thesis accordance with the planned time.

The title of thesis is “The Implementation of Problem Based Learning with Multimendia Based on Computer to Foster the Student’s Creativity and Increase the Student’s Achievement in Salt Hydrolysis Topic” 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 the late Prof. Dr. Suharta, M.Si. and Prof. Dr. Ramlan Silaban, M.Si. as my thesis supervisor for his valuable time spent in giving guidance, advices, motivation and suggestions during completing this thesis. The writer also thanks to Prof. Drs. Manihar Situmorang, M.Sc., Ph.D., Dr. Ajat Sudrajat, M.Si., and Drs. Jamalum Purba, M.Si. as reviewer conselor for this thesis that giving me advices, suggestion, guidance and constructive comments for this thesis’s completeness.

The writer also say thanks to Prof. Motlan, M.Sc., 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 Department, Dr. Iis Siti Jahro, M.Si., and Mr. Syamsudin as administrator of Bilingual Office for their advices and other necessary administrative business. The great thanks are also given to Eddiyanto, Ph.D., as my academic supervisor for his guidance during my academic process in this University. The writer also say thanks to Dr. Retno Dwi Suyanti, M.Si., and Drs. Ani Sutiani, M.Si. as instrument’s validator in this research.

The author appreciation also given to Principal of SMA Negeri 1 Padangsidimpuan, Drs. H. M. Irsyad Hasibuan; Principal of SMA Negeri 3 Padangsidimpuan, Drs. Hasbullah Sani Nasution; Principal of SMA YP HKBP Padangsidimpuan, Rohida, S.Pd., and also all teachers who gave me chance to do
the research there. It is also given to principle of SMA Negeri 5 Medan who gave place for writer in examining the instrument test.

A deepest love, appreciation and thanks also goes to my dearest parents, the late J. Lumbantoruan and M. Situmorang, also my dearest brothers Frizt Yongly and Frans Swandi Yahya for their motivation, prayers and financial support to me during my university lecture process. Unvaluable thanks also given to my boyfriend Andre Anusta Barus, that always become inspiration, motivation, and strength during this process.

Special thanks are given to all my classmate in Bilingual Chemistry Education 2010 that always gives me the best memory in my education process, especially for Sheila and Anggi (my thesis team), Dewi, Bernike, Sinitta, Fredika, and Santhy for their kindness in my academic process from the first semester, also Lina, Yogi, Yasir, Rudi, Debbby, Melisa, Rabiah and others for spending quality time in many times of our limited time. The writer also would like to say thanks to Resianna and everyone whose names cannot be mentioned one by one for your support and helping in my thesis process.

Finally, writer hope this thesis can be used for those who would like to explore more about learning model in salt hydrolysis topic. 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, July 17th, 2014
The writer,

Fenny Rizky Amelia
NIM. 410 333 2015