## ACKNOWLEDGEMENT

First i thank to Allah SWT and Prophet Muhammad SAW for giving me healthy, strength, and peacefull. I would like to express my sincere appreciation to my Thesis Supervisor Prof. Dr. Ramlan Silaban, M.Si for his professional expertise, invaluable guidance, persistant, encouragement, patience, enthusiasm and generous contribution of his valuable time in supervising this thesis as well as conducting of this research. I would also like to thank my Thesis Examiner Prof. Drs. Manihar Situmorang, M.Sc, Ph.D, Drs. Jamalum Purba, M.Si and Dr. Ir. Nurfajriani, M.Si for their patience, guidance, assistance and comments in the development of my thesis. Apperication is also directed to my academic supervisor Drs. Eddyanto, Ph.D. Gratitude and sincere appreciation are extended to all of lecture and staff in Chemistry Department of State University of Medan (Unimed).

Gratitude and sincere appreciation are also extended to principal and chemistry teachers of SMAN 1 Binjai, SMAN 2 Binjai, and SMAN 5 Binjai for giving the permission to conduct my research in the schools and also for students. And i am grateful to my lecturers Drs. Marudut Sinaga, M.Si, Dr. Zainuddin M, M.Si and Dra. Ani Sutiani, M.Si for assessing and standardization the Innovative Experiment Module on Learning of Salt Hydrolysis Topic.

My sincere thanks are also extended to my beloved father Mr. Armen and my beloved mom Mrs. Hamidah for their love, support and encouragement during my study. I am also grateful for both of my younger but big brothers, Dimas Agung Prasetya and Dennis Ade Firmansyah. And for my best friends ever Mutia Dwi Ramadhani, Ipak Purnamasari, Lita Anindia Sari, Dhea Agie Wilya, Dhian Citra Prajasari, Tubagus Mardika, and for him Thyyo Siddiq Rahmana. And for my beloved girls Fatma Harian Dini, Cholida Ziah Lubis, Liesa Afridhila, Yuni Delniza, Juliani Aswita, and Intan Permata Sari. And also for bilingual chemistry class, Angela, Angeline, Anggun, Bayu, Deby, Evina, Haposan, Hesti Vera,

Juwita, Jori, Lanita, Mariani, Nova, Poppy, Rhone, Ricky, Riris, Rusdy, Ruth, Sinta, Sity, and Yolanda and also biology girls Fiza and Kanop.

The writer realized that it is still have a weakness in arrangement this thesis. But the writer has given maximum effort to finish this thesis. Therefore, the writer receivers cricism and suggestion to make this thesis be better. Hopefully, this thesis can be useful for the education development.

Medan, J

June 2015

Writer,

Dessy Ratna Sari

