## **PREFACE**

First and foremost writer wanna deliver to Trinity Jesus Christ for all His uncountable grace, His blessings and guidance for giving us inspiration, health, peace, knowledge and strength to see that this thesis become a reality suitable with the time that has been determine.

This thesis entitled "The Development of Innovative Learning Material With Active Learning and Multimedia" arranged to acquire degree Sarjana Pendidikan Kimia, in Chemistry Department Faculty Mathematics and Natural Sciences in State University of Medan.

In this opportunity I would like to express my gratitude to my thesis supervisior Prof. Drs. Manihar Situmorang, M.Sc., Ph.D who has given guidance and many suggestion to writer since proposal research until finish this thesis. The writer also wanna say thanks to Drs. Marham Sitorus, M.Si as my Academic Councelor as long as writer in state university of Medan. I don't forget to say thanks to Prof. Dr. Ramlan Silaban, M.Si, Dr. Simson Tarigan, (alm) Drs. Rahmat Nauli, M.Si and Mom Nora Susanti S.Si, Apt., M.Sc, as my thesis examiner who give suggestion, comment, and improvement to compile this thesis. Gratitude also deliver to sir Agus Kembaren, S.Si, M.Si as head of Chemistry department who give chance to writer did this research. Special gratitude will be deliver to strong beloved parents my father K. Silaban and my mother M.Simanullang for your unconditional love to support me in every situation of my life for financial support, strengthen me and thank you for your perspiration in my life, thank you have been best parents in my life. I don't forget to express my gratitude to my brothers, Saut, Saprin, Sardes, Salam, Mujur, to my only one sister Samsinar Silaban who always support me to finish this thesis. Likewise with my Coordination team UKMKP-UP FMIPA 2016 and all of member of secretariat UKMKP-UP FMIPA ministry and all of component of ministry UKMKP UNIMED who also give support and motivation to writer. I don't forget to the leader of Boanerges small group sister Jelita Purba my bestfriend Lady Ofina, Saut Siregar, my sisters in Jesus Debora Sormin, Melisa Tambunan, Ernita

Panjaitan, Elenra Fitry Malau, Aspatita Panjaitan, Bunga Gustiana Napitupulu, thank you for teach me to lead you to be patient, my best friend who have same thesis supervisior Ernita Silaban, Arif Wardiman Lase thank you so much for a story that has been created in this thesis journey. And to all of member of Chemistry Education Study Program 2012, thank you for four years with you all fill my diary every single moment is impressed and all of motivation and pray. To all of respondents Student of SMA N 1 Sidikkalang, SMA N 1 Berastagi, SMA N 1 Perbaungan. And the last one and special one for my only one Sado thank you for write diary of my life, support, pray that has been answerd thanks for teach me to live effectively hope blessing in future be ours.

The writer has given all effort to finish this thesis, nevertheless writer realize there's still lack from content and grammar, therefore writer will appreciate all of constructive suggestion to enrich education insight.

Medan, June 2016 Writer

Marianna Silaban NIM. 4123131055