

## ACKNOWLEDGEMENT

In the Name Of Jesus Christ, the Most Gracious and Merciful

Praise the Lord, all praises be to my Savior, Jesus Christ for His blessing, strength, health, guidance and favor to me so that I could go with this life and finish this thesis especially. This thesis appears in its current due to the assistance and guidance of several people. I would like to offer my sincere thanks to all of them.

- Foremost, I would like to express my sincere gratitude to my supervisor, Dr. Zainuddin Muchtar, M.Si for his patience, motivation, enthusiasm, and immense knowledge. His guidance helped me in all the time of research and writing of this thesis. I could not have imagined having a better supervisor and mentor for my undergraduate study.
- Not forgotten, my appreciation to my examiners, Prof. Drs. Manihar Situmorang, M.Sc, Ph.D, Dr. Marham Sitorus, M.Si, and Drs. Bajoka Nainggolan, MS for their advices, guidances, suggestions, and constructive critics in completing this thesis.
- I am also hugely gratitude to Prof. Albinus Silalahi, MS as my academic supervisor who has given great advices and motivations for my study in this university.
- I would like to express my appreciation to Prof. Dr. Retno Dwi Suyanti, M.Si as the validator of the content, instrument, and questionnaire.
- I would like to express my appreciation to the Dean of Faculty of Mathematics and Natural Science, Prof. Drs. Motlan, M.Sc, Ph.D, to the Head of Chemistry Department, Agus Kembaren, S.Si, M.Si, to the Head of Chemistry Education Department, Dra. Ani Sutiani, M.Si, to Coordinator of Bilingual Program, Prof. Dr. rer. nat. Binari Manurung, M.Si, to Secretary of Bilingual Program, Dr. Iis Siti Jahro, M.Si, to Office Staff of Bilingual Program, Mr. Sam for their support and help towards my undergraduate affairs.

- My Sincere appreciation to Headmaster of SMA Negeri 2 Medan, Drs. Sutrisno, M.Pd, and Dr. Manarsar S.Pd as a Chemistry teacher and staff which assist in this implementation of this research.
- My Sincere appreciation to Headmaster of SMA Negeri 3 Medan, Drs. Sahlan Daulay, M.Pd and Drs. Simon Manurung, M.Pd as a Chemistry teacher and staff which assist in this implementation of this research.
- My Sincere appreciation to Headmaster of SMA Swasta Raksana, Drs. Hotman Situmorang, and Sarma Evi Simanjuntak, S.Pd as Chemistry teacher and staff which assist in this implementation of this research.
- My hugely appreciative to Alberto Colia, M.Pd as Headmaster of SMA Negeri 1 Berastagi, Drs. Simon Patar Siagian, Deni Tarigan, M.Pd, M. Ginting, S.Pd and Ms. Ami Rizky for their help, advice, and motivation in this research, especially in Validation process.
- My greatest gratitude goes to my wonderful doctor, Dr. Gino Tann. Ph.D. SpPK (Haematologist) for kindness, honest, prayer, encouragement to me since from first diagnosed until now, so I can complete this thesis on time.
- I would like to thank Cici Sofie, and Mrs. Evi Andriani, my Lupus Survivor Friends, for prayer, advice and motivation in completing this thesis.
- My sincere to Angela Natalia Sinambela, my thesis' partner, for her kindness, motivation and help in completing thesis.
- For Vidy Lasmarina Purba, SE, Santa Mayretta, ST and Monica Gracia my best friends, thanks to you for help, kindness, and motivation in completing this thesis.
- For Batak.com, Poppy, Riris, Debby, Nova and Haposan. I will love you forever, thanks for unlimited laugh, craziness, folly, madness, and experience that make me more confidence and brave in my life. Thanks for that friendship but feeling more than family And also Evina, Ruth, Ricky, Cholida, Rhone, Mariani and Fatma thanks for every help I get, and Jorry as our beloved chairman.

- For CESP'11 the most crazy and enjoyable class ever, full of ambition but full of fun, Jori, Angela, Poppy, Anggun, Cholida, Debby, Desi, Evina, Fatma, Hesti, Intan, Juliani, Juwita, Lanita, Liesa, Mariani, Nova, Ricky, Rhone, Riris, Rusdi, Ruth, Haposan, Sintia, Siti, Yolanda, Bayu and Yuni. Thanks for this 4 years guys and let's go to the next ambition.
- For my friends in Field Experience (PPL) who always be my part, Samantha, Poppy, Kris, Asri, Nurul, and Sonya. Thanks for our friendship and everything that we passed together.
- For my Senior in FMIPA, Wika Prayogi, S.Pd and Dimas F. Simatupang, S.Pd thanks for your helping, suggestion, and motivation
- Finally, but no means least, My deepest gratitude goes to my beloved parents; my Papa L.P. Panjaitan, SE and my Mama H. Siahaan, S.Kep, My Opung L. Tambunan, My Aunty Nora Panjaitan, S.Farm and also to my sister Kiki Dwi Anggi Mariska for their endless love, prayers, encouragement, patience, and I am thankful for the blessing of such a wonderful and truly amazing family.

Medan, July 2015

Angeline Viska Ayu Rosalia

IDN. 4113131004

THE  
*Character Building*  
UNIVERSITY