

ACKNOWLEDGEMENT

The greatest praise and thankfulness to the almighty God, Jesus Christ for His gracious and blessing who always provide health, spirit, strength, and everything to the writer in finishing this thesis well and accordance to the planning time.

This thesis title “The implementation of contextual teaching and learning using concept map on the teaching acid base topic” has been arranged to obtain of Sarjana Pendidikan in Department of Chemistry, Faculty of Mathematic and Natural Science, State University of Medan.

In this opportunity, I would like to express the great appreciation for Prof.Dr.Albinus Silalahi,M.S as my thesis supervisor that gives so many guidance and suggestion to prepare this thesis and Prof.Dr.Retno Dwi Suyanti,M.Si , Dr.Ayi Darmana,M.Si , and Agus Kembaren,S.Si, M.Si as a thesis examiners for their advice, suggestion, guidance, comment, and correction for completing this thesis. And also to Prof.Dr.Retno Dwi Suyanti,M.Si as validator research instrument.

I also says thanks to Dr.Asrin Lubis,M.Si as the dekan faculty of Mathematic and Natural Science, State University of Medan, then Dr.Iis Siti Jahro,M.Si as head of Bilingual Program. And also to Nora Susanti, S.Si, Apt, M.Sc.,as the secretary of Bilingual Program.

I gratitude also thanks to principal of SMAN 11 Medan, Drs. K. Lumbantoruan M.Pd. Then also teacher, Dra. Jamaliah M.Pd who has given their helping, motivation and support to finish this research.

The deepest and special gratitude, appreciation and love to my beloved parents, Gustap Simanjuntak and Mawar Hutasoit,S.Pd for their endless love, support, prays, motivation, and careness, and also to my beloved brothers, Michael Simanjuntak, Candro Jenriko Simanjuntak, and Agustian Simanjuntak, and also my beloved sister, Tasya Amanda Simanjuntak for their motivation and support and give me the meaning of true family.

And special thanks to my boyfriend Henriman Sianturi (Man) that give me more support and motivation to finish my thesis. He is always angry if I am lazy to do the data calculation. But I know he is good boy for me and always be there for me. Thank you a lot of.

And special thanks also goes to my classmate in Bilingual Chemistry Education 2012 that always gives me the best memory in my education program.

Especially to my “Geteks” (Witha Locka Siregar, Fridayuni Simanjuntak, Rolina Pandiangan), Descey Simbolon, Rimbun Hutagaol that accompany me during in university, always with me through in happy and sad time during be a student.

Finally, writer hope this thesis would be useful for everyone who like to explore more about learning method and learning media that suitable to learn acid base topic and another subject in chemistry. 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, Juni 2016

Writer

Ivana Margareta

4123131047

UNIVERSITAS
MEDAN
UNIMED
THE
Character Building
UNIVERSITY