

## ACKNOWLEDGEMENT

Thanks to Almighty ALLAH SWT who always blesses me to complete my thesis and always gives me the mercy so that this thesis research could be done on time.

This Thesis had title “The Effectiveness of Guided Inquiry with Macromedia Flash to increase Student’s Achievement in the Teaching of Solubility and Solubility Product”. This thesis was aimed to fulfill the requirement for Degree of Chemistry Education, at Chemistry Department of Faculty of Mathematics and Natural Science (FMIPA), State University of Medan (Unimed).

Prior I would like to said thanks to Prof. Drs. Motlan, M.Sc, Ph.D., as the Dean of FMIPA Unimed, Prof. Dr.rer,nat Binari Manurung, M.Si., as the Coordinator of Bilingual Program in FMIPA Unimed, Dr. Iis Siti Jahro, M.Si., as Secretary of Bilingual Program in FMIPA Unimed, and also Drs. Jamalum Purba, M.Si., as Head of Chemistry Department.

In this thesis arrangement I especially would like to said special gratitude to: Drs. Rahmat Nauli, M.Si., as Thesis Supervisor for his guidance because he always give a tons of advice and suggestion in my thesis. I also thanks to Dr. Simson Tarigan, M.Pd., as Academic Supervisor for his support and advice when learning in college. The great thanks also go to Prof. Dr. Suharta, M.Si., Dr. Retno Dwi Suyanti, M.Si, Dr. Mahmud, M.Sc as Thesis Examiner Lecturer. In all daily activities of them, I was lucky because they always guide and give me lot of great suggestion.

I also said thanks to Drs. Sahlan Daulay as Headmaster of SMA Negeri 3 Medan. I Addressed thanks to all the teachers who helped me, giving suggestion and advice in the research Dra. Sernita Sianturi, M.Si, Drs. Simon Manurung, M.Si, and Rosna, S.Pd.

The Deepest and special gratitude, appreciation and love to my beloved parents, for all love, pray, support and sacrifice for me, they are my beloved mother kundaefah and my beloved father kastono. And also for my most shrewish sister Nofa

Afriani, my most handsome and naughty brother Muhammand Rizki Jayadi and all my huge family. The thesis is dedicated specially for my beloved sister Alm. Siti Barokah.

Great thanks to my beloved friends in Chemistry Bilingual Study Program 2010 (CESP'10) especially for my kindest friend Ilmi Fadhilah Rizki, my energetic and smallest friend Anggi Anggraini, my strangest friend Rudi Purwanto, my smartest friend Wika Prayogi, my diligent and thesis team friend all at one Santhy Ardelina Violita Br.Pinem, my sensational friend Melisa Sipayung, my funny friend Lina Marwiya and all my friends in CESP 2010 who guided, motivated, and gave suggestions, spirit and praying until this thesis has been done.

Special thanks to my friends in boarding home, my beloved friends; Aminah Ari Fadhilah for her helps especially in my English for compiling this thesis, Ika Ulansari for her enthusiasm who made me faster to finish this thesis, my most flexible friend Ervi Sheila Wanny Lubis and my amazing sister Mentari Tawarniate for the smile and fun they give that make me full spirit fully and my special friend Wendi Aramiko for his extraordinary suggestions, pray and spirit, and everyone who cannot be mentioned his/her name for their support and friendship during my academic years.

Finally, I hope this thesis would be useful for everyone who likes to explore more about the learning model and media that suitable to learn solubility and solubility product notably and chemistry generally. I realize this thesis is still far from perfection; critique and suggestion are needed for further improvement of this thesis.

Medan, July 15<sup>th</sup> 2014

The writer,

Shofiyah