## ACKNOWLEDGEMENT

Assalamualaikum'warahmatullahiwabarakatuh.

Alhamdulillahirabbilalaamiin,

First of all, the writer says Thanks for the presence of ALLAH SWT, because has given bless, mercy and guidance so that the writer can finish this thesis with a title "The Development of POE (Prediction, Observation and Explanation) Oriented Module and Its Effect on Student's Learning Outcome for Gametogenesis Sub Topic of Grade XI Science of SMAN 8 Medan Academic Years 2013/2014" to fulfill one of the requirement for the degree of Sarjana Pendidikan in Biology Department, Faculty of Mathematics and Natural Science, the State University of Medan (UNIMED).

The writer would like to thank and express the sincerest gratitude for:

- 1) Dra. Meida Nugrahalia, M.Sc. as writer thesis supervisor who has generously spent precious time in giving guidance, encouragement, comments and suggestion until this thesis can be finished on time. Thank you very much, Mom. Wish Allah give a blessing life to you. Barakallah, aamiin.
- 2) Prof. Dr. Herbert Sipahutar, M.Si., as my academic supervisor and also as my thesis advisor who had given criticisms and suggestions to me.
- 3) Prof. Dr. rer. Nat. Binari Manurung, M.Si., as the coordinator of Bilingual Program and also my thesis advisor that always raise our fighting spirit by his love.
- 4) Dra. Martina Restuati, M.Si., as my thesis advisor who has so many contribution in completing my thesis.
- 5) Drs. H. Tri Harsono, M.Si., as the chairman of Biology Department who always give support and guidance in finishing my graduation.
- 6) All the lecturers who had given advice, guidance, motivation and the valuable knowledge to the writer during academic years at UNIMED.
- 7) Drs. Sudirman, SP. M.Si., as the principal of SMA Negeri 8 Medan and also to the big family of SMANDEL, especially to Dra. Herliana, M.Si., as the

biology teacher and all students in XI Science 2. Nice experience with you, guys. ©

- 8) The deepest thank and love to my parents, Drs. Sudirman, SP. M.Si and Dra. Farida Nadeak, who always give their pray, love and life to all their daughters and sons, not exception to me. I always pray, wish Allah loves and guides you wherever, whatever and whenever as your love to your children, Ma, Pa. :') Aamiin. The writer also thank to the lovely sister Widiya Sari Sufa, S.Si, and both my brothers, M. Ridho Sufa and Imam Penggowo Darojatun Sufa, thank you sist and bro :D All of you make my life become colorful! :D
- 9) Ransufa Family (Rafika, Astari, Novita), being glad to have experience with you, guys. Your love, care, tears, smile, laughing, and spending my time with you is one of the best moments in my life. Be always my sisters and brother ya..:') And also our umi godank, I love you, you teach me how to be patient.
- 10) Silvia Sabatini, S.Pd., as my 'real advisor' and my discussion partner in finishing this thesis. Thank you very much, kak Chiby, you have lightened my blindness in finishing my thesis. :\*
- 11) Biology Bilingual Education 2010 (Rani, Dewi, Eka, Adi, Frendy, Hastika, Helma, Herlina, Ika, Lea, Marta, Melani, Nanda, Shelly, Liza, Suyedi, Tia and mbak Tri). Whole semesters that I spent with you is one of the best moment I ever had. I love you and will miss you, friends. :')
- 12) For all people who give contribution for finishing this thesis that I can not mention one by one, thank you very much.

The writer realizes that in finishing this thesis still many of weakness. The writer hopes this thesis can give utilization for the writer and reader.

Wassalamualaikum.

Medan, July , 2014 Writer,

Hafizah Ilmi Sufa SID. 4103342007