ACKNOWLEDGEMENT

First of all, the writer would like to Thanks LORD JESUS CHRIST for His Love and grace that has given health and wisdom to the author so this Skripsi can be completed properly in accordance with planned time. This Skripsi is aimed to fulfill the requirement for the degree of Sarjana Pendidikan at Biology Department, Faculty of Mathematics and Natural Science, State University of Medan.

During the process of writing the thesis, the writer realized that she had many mistaken. Meanwhile, she has been given some suggestions, comments, academic guidance, and moral support from her consultant and others that she would like to express her sincere thanks.

The writer would like to express her great gratitude to Dr. rer. nat. Binari Manurung as his consultant for his generous assistance, guidance, advices and valuable time to read and discuss the thesis until it is completed, and thank for being her inspirational person. The author also would like thank profusely to Prof. Drs. Motlan, M.Sc, Ph. D., as dean of the Faculty of Mathematics and Natural Science, State University of Medan. Prof.Dr. Herbert Sipahutar ,M.Sc., Dra.Meida Nugrahalia, M.Sc., Drs.Tri Harsono,M.Si. as the lecturer team examiners for their suggestion and constructive criticisms for the revision of this thesis and for Dra.Martina Restuati,M.Si as her academic supervisor who has guided the author during academic program.

My never ending thankfulness is fully to my beloved father H.Simanjuntak and my mother H.Sitanggang for their everlasting love, hopeful prayers in her life, and the entire moral and the financial support that have enabled her to finish her study. Her special thanks and admiration are also due to her beloved grand mother Pasuria Sihotang and M.Nainggolan for their motivation, also to her sisters and brother, Siskha V.N Simanjuntak, Lusi Mariance Simanjuntak, Iffrans Trigusno Simanjuntak, Wellchy R.Simanjuntak, Gresna R.Simanjuntak and the last Roby Manullang.

The writer also thanks to the headmaster of SMA Negeri 2 Balige, Danjor Nababan,S.Pd,M.M and Biology teacher, Mam Happy B.F Hutabarat S.Pd.,M.Si,Rohani Siburian S.Pd.,M.Si and all the teachers and student especially X-4,X-5 Academic Year 2012/2013 in SMA Negeri 2 Balige who received the presence of the author during research in these classes. My gratitude also goes to Young Peacemaker Community Indonesia in Sumatera for their supporting me. Also for Youth Gereja Bethel Indonesia Medan Plaza Rayon IV especially in Creative Ministry, thank you for your support all. And for all my friends in class Biology Bilingual Education 2009 who show me the meaning of friendship.

Especially for my Special Friends Andre Diaryan Tampubolon (Unyukk) thank you for your support, your caring and help me to accomplish this Skripsi especially in documented of the research in Balige.

The writer had tried as much as possible in the completion of this thesis, but the writer is aware there are still many weaknesses in terms of content and grammar therefore the writer is pleased to receive some suggestions and constructive criticism from readers for the thesis being perfect. Any suggestion for the improvements in the future will be highly appreciated.

> Medan, July 2013 Author,

Wiwik Simanjuntak NIM 409342035