

ACNOWLEDGEMENT

Thanks to Almighty God for His bless and love in everyday and every time. Because of His love and grace, give me strength to complete this thesis with title “The Effect Of Scientific Approach By Using *Group-Investigation* Model In Respiratory System Topic Grade XI On Student Learning Achievement SMAN 5 Medan Academic Year 2018/2019”.

First, thank you for the Dean of FMIPA UNIMED, Dr. Martina Restuati, M.Si, the Head of Biology Department, Dr. Hasruddin, M.Pd, the Coordinator of Bilingual Program, Dr. Iis Siti Jahro, M.Si, and my thesis supervisor Dr. Martina Restuati, M.Si for his guidance and support during write this thesis.

The enormous appreciation is addressed to Dr. Melva Silitonga, M.Si; Dr.Syahmi Edi, M.Si and Dr. Tumiur Gultom, SP, MP as the examiners for their criticisms and valuable advices. Big thanks for Drs. Zulkifli Simatupang, MPd, M.Sc and Dr. Melva Silitonga, M.Si because their help in validation my instrument for research. And also Drs. Lazuardi, M.Si as my Academic Counselors

I also appreciate the contribution of the principles of SMAN 5 Medan, Drs. Haris H. Simamora, M.Si, and Biology teachers Santiur Simanjuntak, S.Pd for their kindness to give me chance to do research. All students that participate in my research, thanks to cooperation in process and procedure of research.

My greatest thanks for my family, especially my beloved parents, Ir. Janner Falensius Sihite and Tetty Maryati Simanjuntak. They are the reason for me to never give up. Also thanks for my beloved brother (Josua) and sisters (July and Fretty) and my Big family especially Sihite Family, all friends in Bilingual Biology Education 2012, especially for Gank Motors (Dwi Utaran, Novantus), The Queens (Murnong, Mesra, Army, Corry, Carolina), My dear Witek, Uben, Nikite and also My beloved Iban for their Guidance and their support. Hopefully, this thesis will be beneficial to contribute ideas in education.

Medan, September 2018
Writer

Jeszicca Faltykarin Sihite