PREFACE

The author says the great praise and gratitude to God Almighty, for all the graces and blessing that provide health and wisdom to the authors that this study cam be completed properly in accordance with the planned time. This thesis entitled "The Effect of Guide Inquiry Learning Model on Student's Learning Outcomes on Harmonic Vibration Topic in Class X Sma N 1 Tebing Tinggi A. Y 2018/2019". This thesis was prepared to obtain a Bachelor's degree of Physics Education (Sarjana Pendidikan Fisika), Faculty of Mathematics and Natural Science in State University of Medan.

On this occasion the authors likes to thank Mr Prof. Motlan, M.Sc., Ph.D as Thesis Advisor who has provided guidance and suggestion to the author since the beginning of the study until the completion of this thesis. Thanks also to Dr. Alkhafi Maas Siregar. M.Si, and Drs. Abd Hakim S, M.Si., as my thesis examiners who have provided many advices and suggestions in completing this thesis. Thanks also to Drs. Jonny Haratua Panggabean, M.Si as the Academic Supervisor and also my thesis examiner. Thanks also to Dr. Iis Siti Jahro, M.Si as the coordinator of bilingual program, Nora Susanti, S.Si, M.Si as the scretary of bilingual program. Thanks also for all Mr. and Mrs. Lecturers and staff employees of Physics Deparment, Faculty of Mathematics and Natural Science in State University of Medan. State university of Medan who have encourage the writer during the studying process. Sincere appreciation was also presented to Principal os SMA N 1 Tebing Tinggi, Drs. Sariono, Physics Teacher Rosmery Simamora S.Pd and all teachers there, who had helped the author during the implementation of this research. Especially, author also would say thanks to my great lovely father Mampetua Silalahi, my great lovely mother Raya Ramaida Gultom, my great sister Felita Silalahi, my great Brothers Trisno Ramli Silalahi, Lasjones Silalahi, Gabriel Ipaldi Silalahi, Jonius Silalahi, my great aunt Bontor L.D Tambunan, and all my family. And thanks also for my great family, students of SMA N 1 Tebing Tinggi grade 2018 and Bilingual Physics Education grade 2014 (Ade Novida, Ade Nursalisa, Adventi, Cahya, Chandra, Daniel, Devi, Dia, Era, Helena, Henny, larry,

Maria, Maylastri, Mestarida, Pandi, Ridosius, Rini, Rio, Ruth, Sari, Triboy, Winda, Yanti, Yeni, Yuliana, Zullaiha), my great friends in Gg. Regar boarding house, who have given loves, motivations and advices to the author.

The author has endeavored as much as possible in completing this thesis, but the author is aware there are many mistakes either in terms of content or grammar, then the author welcome for any suggestions and constructive criticism from readers for this thesis perfectly. The author hopes the contents of this paper would be useful in enriching the repertoire of knowledge.

Medan, October 2018 Author, Hendri Silalahi