

PREFACE

The author say the praise and gratitude to God Almighty, for all the graces and blessings that provide health and wisdom to the author that this study can be completed properly in accordance with the planned time Thesis entitled “**The effect of Guided Inquiry Learning Model toward Students’ Critical Thinking about Impulse and Momentum in Class X SMA N 1 Berastagi A.Y 2018/2019**”.

On this occasion the autor likes to thank Mr. Prof.Drs Motlan M.Sc.,Ph.D at thesis supervisor wo has provided guidance and suggestions to the author since the beginning of the study unil the completion of this thesis writing. Thanks also to Dr. Togi Tampubolon, M.Si., Ph.D, Dr. Wawan Bunawan, M.Si., M.Pd, and Dr. Juniastel Rajagukguk, M.Si who have provided many advices and suggestions in completing this thesis. Thanks also to Mr.Abdul Hakim, M.Si as the Academic Supervisor. Thanks also for all Mr. And Mrs. Lecturer and staff employes of Physics Department, Faculty of Mathematics and Sciences in State University of Medan who have encourage the author during the studying process. And also thanks to Coordinaor of Bilingual Mrs. Dr. Iis Siti Jahro, M.Si and Secretary of Bilingual Mrs. Nora Susanti, S.Si,M.Sc,Apt.

Sincere appreciation was also presented to Pincipal of SMA N 1 Berastagi, Alberto Colia, M.Pd, Physics Teacher Luna Julianta Br Perangin-angin S.Si, and all teachers there who had helped the author during the implementation of this Research. Especially, author also say thanks alot to my beloved father Mr. Binsar Sihaloho, my beloved mother Mrs. Herlina Silitonga, My belovd sisters Tetty Marlina Debora sihaloho, S.H and Peronika Sihaloho, my beloved brother Andrianto sihaloho and Christian Aditya Sihaloho, My Uncle Dimpos Silitonga and Hinsia Silitonga, Apt and for all of my brother and sisters in physics Education Study Program 2015 especially my lovely best friend Sarah Octavia Pangaribuan and Firda Maharani, my great senior in physics Education Study Program 2014 especially Devi Royana Br Gintng, S.Pd, Rini Susanti Sihombing, S.Pd and Daniel Stevenson Sibagariang, S.Pd, and also my best friend Idris Surya Pratama Silaban, S.Pd for supports and helping the author.

The author has endeavored as much as possible in completing this thesis, but the author is aware there are many mistake either in terms of content or grammar, then the author welcome for 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, 2019

Author,

Nadia Marantika Sihaloho

ID.4153322015



THE
Character Building
UNIVERSITY