PREFACE

Praise and gratitude for the blessings and love of the Lord Jesus Christ so that this thesis can be completed well. The thesis entitled "Implementation of Phet Virtual Laboratory-Based Learning Media to Increase Learning Outcomes On The Teaching Of Acid-Base" was completed as a requirement to obtain a bachelor's degree in Chemistry Education, Faculty of Mathematics and Natural Sciences, Medan State University. In writing this thesis the author realized that he could not complete this without support from various parties. Firstly, the author would like to express his deepest gratitude to the Lord Jesus Christ who gave the author the strength to complete this thesis. On this occasion the author would like to express his thanks and gratitude to all parties who have helped the author in completing this thesis, especially to:

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The author realizes that there are still many weaknesses and limitations, so the author hopes for constructive criticism and suggestions. The author hopes that this thesis can be useful for those who need it and may God bless us at all times.

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