PREFACE

The author says the great 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. This thesis entitled "The Effect Of Cooperative Learning Model Using Sparkol Videoscribe Toward Student Learning Outcomes Physics". 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.

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> Medan, August 2018 Author,

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