

PREFACE

Praise and Gratitude must be prayed to Almighty God, Allah SWT, for all the graces and blessings that provide health and wisdom to the author so writer can finish this thesis well.

The title of this thesis is " The Effectiveness Of Hypothetical-Deductive Learning Cycle To Increase Senior High School Student's Achievement And Cooperation On The Teaching Of Colloidal System ". This research is done in SMAN 1 Perbaungan in academic year 2013/2014 that prepared to get degree Sarjana Pendidikan of Chemistry Education , Faculty of Mathematics and Natural Sciences, State University of Medan.

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Actually the author has doing the maximal effort in the completion of this thesis, but the author is aware there are many weakness in terms of both content and grammar. Authors hope the suggestions and constructive criticism from readers for completeness the thesis perfectly . At least, Authors hope this thesis can be useful to enrich the reader in science education.

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