## THE IMPLEMENTATION OF GROUP INVESTIGATION LEARNING MODEL TO IMPROVE THE STUDENTS' MATHEMATICAL COMMUNICATION ABILITY OF EIGHTH GRADE SMP N 4 PEMATANG SIANTAR ACADEMIC YEAR 2014/2015

By:

Lia Novi Utami Purba ID. 4103312017 Bilingual Mathematics Education



## THESIS

Submitted to Fulfill the Requirement for Sarjana Pendidikan Degree

MATHEMATICS DEPARTMENT FACULTY OF MATHEMATICS AND NATURAL SCIENCES MEDAN STATE UNIVERSITY MEDAN 2014