

**THE EFFECTIVENESS OF INTERACTIVE LEARNING MODULE WITH
MACROMEDIA FLASH IN PROBLEM BASED LEARNING TO
INCREASE STUDENT'S ACHIEVEMENT AND FOSTER
STUDENT'S CREATIVITY IN TEACHING OF
COLLOIDAL SYSTEM**

By:

**Ilimi Fadhilah Rizki
Reg. Number 4103332017
Bilingual Chemistry Education Program**



THESIS

**Submitted to fulfill the requirement for getting the Degree of
Sarjana Pendidikan**

**CHEMISTRY DEPARTMENT
FACULTY OF MATHEMATICS AND NATURAL SCIENCE
STATE UNIVERSITY OF MEDAN
MEDAN
2014**