EFFECTIVENESS OF 5E LEARNING CYCLE MODEL IN DYNAMIC ELECTRICITY KELAS X SMA NEGERI 3 MEDAN

By:

Carolina Nainggolan 409322001 Physics Bilingual Education Study Program



THESTS

Submitted to fulfill requirement for the degree of Sarjana Pendidikan

PHYSICS DEPARTMENT
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
STATE UNIVERSITY OF MEDAN
MEDAN
2013