



**UNIVERSITAS NEGERI MEDAN**

**THE EFFECT OF LEARNING APPROACH ON STUDENT  
ACHIEVEMENT OF CLASS X ON ECOSYSTEM TOPICS**

**THESIS**

**Submitted to the Biology Department Universitas Negeri Medan in Partial  
Fulfillment of the Requirements for the Degree of Sarjana Pendidikan**

**Johanes Marojahan Manalu**

**NIM 4183141036**

**Bilingual Biology Education Study Program**

**BIOLOGY DEPARTMENT  
MATHEMATICS AND NATURAL SCIENCE FACULTY  
MEDAN 2022**