

**THE DIFFERENCE OF STUDENTS LEARNING OUTCOME AND  
RETENTION BETWEEN MIND MAP AND NOTES WRITE  
AND STACKING (NWS) TECHNIQUES AT ECOSYSTEM  
TOPIC GRADE X SMAN 11 MEDAN  
ACADEMIC YEAR 2014/2015**

**By:**

**Siti Fatimah Siregar  
4113342014  
Biology Bilingual Education**



**SKRIPSI**

**Submitted in Partial Fulfillment of The Requirements for The  
Degree of Sarjana Pendidikan**

**DEPARTMENT OF BIOLOGY  
FACULTY OF MATHEMATICS AND NATURAL SCIENCE  
STATE UNIVERSITY OF MEDAN  
MEDAN, 2016**