

**THE EFFECT OF COOPERATIVE LEARNING STAD MODEL ONSTUDENT
LEARNING OUTCOMES IN CHARACTERISTIC
OF LIVING THINGS TOPICS GRADE VII
SMP NEGERI 1MEDAN
ACADEMIC YEARS 2012/2013**

By :

**Dewi Sartika Sari
408641001
Biology Bilingual Education**



THESIS

**Submitted to Biology Education Department State University of Medan, in Partial
Fulfillment of the Requirement for Degree of Sarjana Pendidikan**

**BIOLOGY DEPARTMENT
FACULTY OF MATHEMATIC AND NATURAL SCIENTIC
STATE UNIVERSITY OF MEDAN**

MEDAN

2013