



STATE UNIVERSITY OF MEDAN

**THE EFFECT OF ETHNOSCIENCE INTEGRATED PHENOMENON
BASED LEARNING WITH PBL ON STUDENTS' SCIENTIFIC
LITERACY ON TEMPERATURE, HEAT AND EXPANSION
MATERIAL AT SMP NEGERI 27 MEDAN TP 2023/2024**

THESIS

**Submitted to Fulfill The Requirements for
The Degree of Bachelor of Education**

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Bilingual Natural Science Education Study Program

**BIOLOGY DEPARTMENT
FACULTY OF MATHEMATICS AND SCIENCE
MEDAN
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