



STATE UNIVERSITY OF MEDAN

**DEVELOPMENT OF STUDENT WORKSHEETS BASED ON PjBL
USING LIVEWORKSHEET ON TEMPERATURE AND HEAT
MATERIALS TO INCREASE STUDENT LEARNING OUTCOMES
SMP NEGERI 29 MEDAN T.P 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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