



UNIVERSITAS NEGERI MEDAN

**THE EFFECT OF PROBLEM BASED LEARNING MODEL
ON STUDENTS LEARNING OUTCOMES IN THE
MATERIAL OF WORK AND ENERGY CLASS X OF
SENIOR HIGH SCHOOL N 1 TANAH PINEM**

THESIS

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

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Bilingual Physics Education Study Program

**PHYSICS DEPARTMENT
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MEDAN
JULY 2024**