



**UNIVERSITAS NEGERI MEDAN**

**THE EFFECT OF SCIENTIFIC INQUIRY LEARNING ASSISTED BY  
ALGODOO SIMULATION TO SCIENCE PROCESS SKILLS  
AND STUDENT LEARNING OUTCOMES GRADE X OF  
SMA NEGERI 5 MEDAN**

**THESIS**

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

**Marshal Adrianus Panggabean**

**IDN 4161121013**

**Bilingual Physics Education Study Program**

**PHYSICS DEPARTMENT  
FACULTY OF MATHEMATICS AND SCIENCE  
MEDAN  
NOVEMBER 2023**