



**STATE UNIVERSITY OF MEDAN**

**DEVELOPMENT OF HOTS LITERACY BASED  
COGNITIVE ASSESSMENT TOOLS  
ON ACID BASE MATERIAL**

**THESIS**

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

**Sakinah Mawaddah Hasibuan  
IDN 4193131001  
Bilingual Chemistry Education Study Program**

**CHEMISTRY DEPARTMENT  
FACULTY OF MATHEMATICS AND SCIENCES  
MEDAN  
AUGUST 2023**