



**STATE UNIVERSITY OF MEDAN**

**THE DEVELOPMENT OF ELECTRONIC MODULE  
BASED ON SCIENTIFIC LITERACY  
ON COLLOIDAL TOPIC**

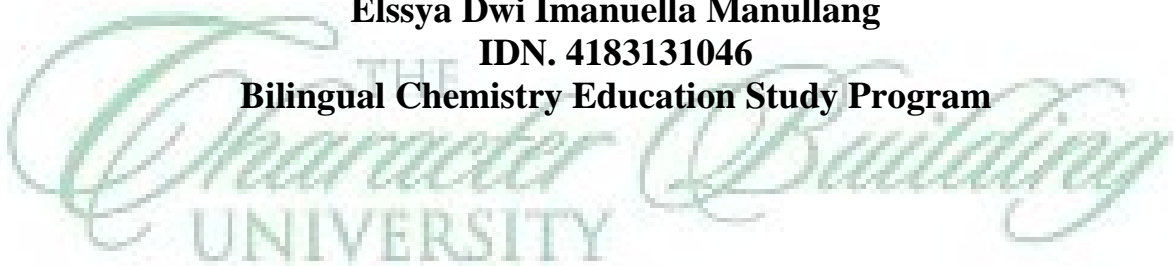
**THESIS**

**Submitted to Fulfill Requirement for Degree of  
Sarjana Pendidikan**

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**Bilingual Chemistry Education Study Program**



**DEPARTMENT OF CHEMISTRY  
FACULTY OF MATHEMATICS AND NATURAL SCIENCES  
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