



UNIVERSITAS NEGERI MEDAN

**INFLUENCE OF MACROMEDIA FLASH BASED ON
COMPUTER ANIMATION MEDIA TO IMPROVE
STUDENT LEARNING OUTCOMES IN
HALOALKANES SUB-SUBJECT**

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
MEDAN
JULY 2022**