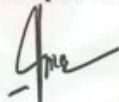


Thesis:

**Development of HOTS Literacy Based Cognitive Assessment Tools
on Acid Base Material**

Name : Sakinah Mawaddah Hasibuan
IDN : 4193131001
Study Program : Bilingual Chemistry Education
Department : Chemistry

**Approval:
Thesis Supervisor,**



Dr. Iis Siti Fahro, M.Si
IDN. 19651015 199203 2 003

Acknowledge:

**Chemistry Department
Head,**



Dr. Ayi Darmana, M.Si
IDN. 19660807 199010 1 001

**Bilingual Program
Coordinator,**



Dr. Ely Djulia, M.Pd
IDN. 19660724 199103 2 012



Prof. Dr. Fauziah Harahap, M.Si
FMIPA IDN. 19660728 199103 2 002

Graduated: July 27th, 2023

ORIGINALITY STATEMENT

I declare truthfully that the manuscript of this thesis is the result of my own work, and all sources, both quoted and referred to in the manuscript, I have stated correctly in the sources of citations and bibliography.

If in the future it is known and can be proven that in fact there are plagiarism in this thesis, I am ready for this thesis to be canceled and processed in accordance with applicable laws and regulations (UU No. 20 Tahun 2003, pasal 25 ayat 2 dan pasal 70).

Medan, 18th July 2023

That State,



Sakinah Mawaddah Hasibuan

IDN. 4193131001

THE
Character Building
UNIVERSITY

PUBLICATION AGREEMENT

As an academic member of Universitas Negeri Medan, I, the undersigned:

Name : Sakinah Mawaddah Hasibuan
IDN : 4193131001
Study Program : Bilingual Chemistry Education
Faculty : Faculty of Mathematics and Natural Sciences
Type of Work : Thesis

for the sake of scientific development, agree to grant the Universitas Negeri Medan a Non-exclusive Royalty-Free Right for my scientific work entitled:

Development of HOTS Literacy Based Cognitive Assessment Tools on Acid Base Material.

With this Non-exclusive Royalty-Free Right, Universitas Negeri Medan has the right to store, transfer/format, manage in the form of a database, maintain, and publish my final project as long as it still includes my name as the author/creator and as the copyright owner.

Thus I make this statement truthfully to be used properly.

Made in : Medan
On : 18th July 2023
That State,



Sakinah Mawaddah Hasibuan
IDN. 4193131001