

Thesis:

Development of Scientific Literacy-Based Test Instruments to Measure Students' Critical Thinking Skills

Name : Muhammad Ainal Yusri
IDN : 4181121004
Study Program : Bilingual Physics Education
Department : Physics



Approved by:
Thesis Supervisor,

Dr. Wawan Bunawan, M.Pd., M.Si
NIP. 196812051993031001

Acknowledge by:

Physics Department
Head,

Dr. Dewi Wulandari, S.Si., M.Si
NIP. 197801202008012014

THE

Character Building
UNIVERSITY

Bilingual Program
Coordinator

Dr. Elly Djulia, M.Pd
NIP. 196607241991032012



Dean,

Prof. Dr. Fauziah Harahap, M.Si
NIP. 196607281991032002

Date of Graduate: March 28th, 2023

STATEMENT OF ORIGINALITY

I declare truthfully that this thesis manuscript is my own work, and all sources, both cited and referenced in my manuscript have been correctly stated in the citation sources and bibliography.

If in the future it is known and can be proven that it turns out that in this thesis manuscript there are elements of plagiarism or plagiarism, then I am willing if this thesis is canceled and processed in accordance with applicable laws and regulations (Law No. 20 of 2003, article 25 paragraph 2 and article 70).

Medan, April 17th 2023

Which states,




Muhammad Ainal Yusri
IDN. 4181121004

UNIVERSITAS NEGERI MEDAN
UNIMED

THE
Character Building
UNIVERSITY

PUBLICATION APPROVAL SHEET

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

Name : Muhammad Ainal Yusri
IDN : 4181121004
Study Program : Bilingual Physics Education
Faculty : Faculty of Mathematics and Natural Sciences
Type of Work : Thesis

For the scientific development purpose, agreed to grant Universitas Negeri Medan the Non-exclusive Royalty-Free Right for my scientific work entitled:

“Development of Scientific Literacy-Based Test Instrument to Measure Students’ Critical Thinking Skills”.

along with any existing evidence (if needed). 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 I keep my name as the author / creator and as the owner of Copyright.

The statement I made to be used properly.



Made in : Medan
Date : April 17th 2023

Which states,

Muhammad Ainal Yusri
IDN. 4181121004