Thesis:

The Application of Open-Ended Learning Approach with Probing-Prompting Methods to Improve Students' Mathematical Problem-Solving Ability at Grade VIII SMP Negeri 1 Binjai

> Name : Fadhilah Hayati ID Number : 4183111076

Study Program : Bilingual Mathematics Education

Department : Mathematics

Approved By: Thesis Supervisor,

Dr. Ani Minarni, M. Si. NIP. 196510101992032003

Acknowledge By:

Mathematics Department

Head,

Bilingual Program Coordinator,

Dr. Pardomuan Sitompul, S.Si., M.Si.

NIP. 196911261997021001

Dr. Ely Djulia, M.Pd.

NIP. 196607241991032012

Dean

IPA Unimed

Prof. Dr. Fauziyah Harahap, M.Si.

N.P. 19660728 199103 2 002

Date of Graduate: 07th September 2022

ORIGINALITY STATEMENT PAGE

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

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

Medan, October 2022 Declarer,

Fadhilah Hayati IDN. 4183111076

1BE6AJX553719680

PUBLICATION APPROVAL PAGE

As an academic member of the State University of Medan, I, the undersigned:

Name

: Fadhilah Hayati

ID Number

: 4183111076

Study Program

: Bilingual Mathematics Education

Faculty

: Faculty of Mathematics and Natural Sciences

Type of Work

: Thesis

for development science, agreed to grant the State University of Medan a Nonexclusive Royalty-Free Right for my scientific work entitled:

"The Application of an Open-Ended Learning Approach with Probing-Prompting Methods to Improve Students' Mathematical Problem-Solving Ability at Grade VIII SMP Negeri 1 Binjai"

along with existing equipment (if needed) With this Non-exclusive Royalty Free Right, State University of Medan has the right to store, transfer media/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 Copyright owner. Thus, I make this statement in truth so that it can be used properly

Made in

: Medan

On

: October 2022

Declarer.

Fadhilah Hayati

IDN. 4183111076

BIOGRAPHY



Fadhilah Hayati, the wirter of this thesis The Application of an Open-Ended Learning Approach with Probing-Prompting Methods to Improve Students' Mathematical Problem-Solving Ability at Grade VIII SMP Negeri 1 Binjai, was born in Binjai City, on Tuesday, January 30, 2001. She is the second child of third children from Mr. Asnawi Effendi and Mrs. Ritawani S.Pd. The

author started formal education in SD Negeri 027950 in 2006 and graduated in 2012. After elementary school, the author continued his studies at SMP Negeri 1 Binjai and graduated in 2015. High school education, majoring in science, was taken for 3 years starting from 2015 to 2018 in SMA Negeri 1 Binjai. In 2018, through the SBMPTN route, the author was accepted as a student at the Bilingual Mathematics Education Study Program, Faculty of Mathematics and Natural Sciences, Universitas Negeri Medan. While studying at Unimed, The author is active in the math student association (Himpunan Mahasiswa Jurusan Matematika) for period 2021-2022.