

PREFACE

Praise and gratitude to Allah SWT for all of His blessings which have given health, opportunity and convenience to the writer so that the writer can complete this thesis on time. This thesis is entitled "**Development of Digital Student Worksheets Based on Contextual Teaching and Learning to Improve Students' Critical Thinking Ability in High School**". This thesis was prepared to fulfill one of the requirements for obtaining a bachelor's degree in mathematics education, Faculty of Mathematics and Natural Sciences.

The preparation of this thesis has gone through a long, tiring journey and various stages in accordance with the standard procedures that apply at FMIPA Universitas Negeri Medan, starting from the stage of determining the research topic, preparing and seminar proposals, conducting research, preparing the thesis, and ending with the thesis defines exam.

The author realizes that the preparation of this summary would not have been completed without direction, guidance, assistance and motivation from various parties, both directly and indirectly. For this reason, the author would like to express his deepest gratitude to all parties who have helped the author in preparing this thesis. Through this opportunity, with all humility the author would like to thank:

1. Mrs. Prof. Dr. Fauziah Harahap, M.Si as Dean of Faculty Mathematics and Natural Sciences, Mr. Dr. Pardomoan Sitompul, M.Si as Head of Mathematics Department, Mrs. Nurhasanah Siregar, S.Pd., M.Pd as Head of Mathematics Education Study Program, Mrs. Dr. Ely Djulia, M.Pd as Coordinator of Bilingual Program, and all staff of Mathematics Department, Faculty Mathematics and Natural Sciences, Universitas Negeri Medan who helped the author and provided fluency during the preparation of this thesis.

2. Mr. Budi Halomoan Siregar, S.Pd., M.Sc as the supervisor who has provided guidance, direction, suggestions, motivation, guidance and assistance to the author from the beginning of the research plan until the completion of this thesis.
3. Prof. Dian Armanto, M.Pd., M.A., M.Sc., Ph.D, Mr. Dr. KMS. Muhammad Amin Fauzi, M.Pd and Mr Sudianto Manullang, S.Si, M.Sc as examining lecturers who have provided a lot of input and suggestions in preparing this thesis.
4. Prof. Dr. Mukhtar, M.Pd as an Academic Supervisor (PA) lecturer who has guided and motivated the author during lectures.
5. Prof. Dr. Asmin, M.Pd, Mrs. Dr. Mariani, M.Pd, Mrs. Ade Andriani, S.Pd., M.Pd, Mr. Muhammad Badzlan Darari, S.Pd., M.Pd, and Mrs. Elfitra S.pd., M.Pd for their assistance with validating research instruments.
6. Mrs. Ade Melinda Banjarnahor, M.Pd. as the Principal and Mrs. Sariyanti, S.Si as the Mathematics Teacher who has accepted, permitted, helped and guided the author while conducting research at SMA Negeri 12 Medan.
7. The author would like to express her infinite gratitude to her beloved parents for all their abundant love, for their never-ending prayers, all their support both morally and morally and thank them for the struggle and sacrifices that have been made for the author so far.
8. Thanks to the author's three beloved younger sisters; Rizky Andini, Amanda Hanifah and Syahdu Muriz who are one of the reasons for the author's high spirit to complete this thesis in order to be a good role model and be a pride for them.
9. Dear friends and colleagues as well as the extraordinary extended family of MESP 2019 accompanied the author's lecture journey, especially Dhea Anisah Putri, Dinda Erlananda and Dahlia Oktaviani Ginting who always the author's safe place during the process of working this thesis.
10. Last but not least, the author would like to thank herself who is a part of her own happiness for being able to try hard and struggle so far, thank you for believing in yourself that the author can go through all this, thank you for never

stopping loving and being yourself, thank you for being able to control yourself from various pressures outside the situation and still decide to never give up no matter how difficult the process of preparing this thesis by completing as well and as much as possible this is an achievement that should be proud of yourself.

Thank you to all parties who have helped, either directly or indirectly, who are not listed in this statement. Hopefully the support and assistance that has been given will be blessed by Allah SWT. Finally, with all humility, the author presents this work, hopefully it will be useful for readers and can become a reference for input in the world of education.

Medan, 04th October 2023

Author,



Aliyah Rumini Larasati

IDN: 4192111004