ACKNOWLEDGEMENT

Bismillahirrahmanirrahim. Alhamdulillah, Praise be to Allah, the Almighty for His blessing and mercy in my life for His guidance and help until I finish my thesis with the title "Development of Android-Based Mobile Learning Application in Digestive System Material For Students Grade XI MIA SMAS Budisatrya Medan A.Y. 2021/2022". This thesis is submitted for the requirements for the degree of Sarjana Pendidikan in Biology Education Study Program, Faculty of Mathematics and Natural Sciences (FMIPA), Universitas Negeri Medan (Unimed). This thesis would not be completed without supports, guidances, and suggestions from many parties.

This thesis especially dedicated to my parents, Mr. Fahruddin and Mrs. Halimah who have always support my academic endeavors. They spent a life time on their knees, praying for me who they love so dearly.

First and foremost, my appreciation goes to the Dean of FMIPA Universitas Negeri Medan, Prof. Dr. Fauziah Harahap, M.Si., the Head of Biology Department, Dr. Hasruddin M.Pd., and the Coordinator of Bilingual Program, Dr. Ely Djulia, M.Pd. Foremost, I would like to express my sincere gratitude to my academic and thesis supervisor Prof. Dr. Martina Restuati, M.Si., for her guidance to me in Biology major class and her guidance throughout my thesis with patient, motivation, enthusiasm, immense knowledge and experience also full of love. Her guidance helps me to arrange and writing this thesis.

Beside my thesis supervisor, I would like to thank my thesis examiners: Dr. Melva Silitonga, M.S., Dr. Ely Djulia, M.Pd., and Dra. Meida Nugrahalia, M.Sc. for their encouragement and insightful comments. My sincere thank to Mrs. Suciyati, S.Pd., as SMAS Budisatrya headmaster, for her permission to me for done my research in her school. My enormous gratitude to Mrs. Fajriah, S.Si as Biology teacher in SMAS Budisatrya Medan for giving opportunity to use her class during my research and to all students in grade XI MIA SMAS Budisatrya for their participation as sample in my research.

My sincere gratitude go to all members of Bilingual Biology Education 2018 class who have been together for 4 years face college life's ups and downs and my bestfriends who support me in various ways through the process for the completion of my thesis, especially Arifah, Dinda Anggita Maysarah, Mita Miranda Gultom, Ratu Mashlihan Hasibuan, Tisha Tabhita Siregar, Tyas Kinanti Layung Hastunkoro, and Andhio Saputra. Additional thanks go to all parties that the author cannot mention one by one who has given support, prayers, and sincere enthusiasm to the author.

The author realizes that this paper is still far from perfect, so the author expect the future research can improve. Finally, may this thesis can contribute to improve the quality of education in this country.

> Medan, July 26th 2022 Author,

Cicilia NIM. 4182141019