PREFACE

Praise and gratitude to the Almighty God, Allah SWT, for all His bless and guidance so that the author is able to complete the thesis entitled "Analysis of Eligibility and Usefulness Biology Students' Worksheet on Biological Technology Innovation Topic in Class X MAN 1 Medan". This thesis is written to fulfil the requirements to achieve a Bachelor of Education degree in the Bilingual Biology Education Study Program, Faculty of Mathematics and Natural Science, Medan State University.

In the completion of this thesis, the author received a lot of help and guidance from several parties, both directly and indirectly. For this reason, the author expresses the gratitude and appreciation to:

- 1. Mr. Ahmad Shafwan S. Pulungan, S.Pd., M.Si. as thesis supervisor who has provided the author with considerable time, advice, and guidance throughout the process of writing this thesis to completion.
- 2. Mr. Prof. Dr. Drs. Tri Harsono, M.Si., Mrs. Prof. Dr. Masdiana Sinambela, M.Si., and Mrs. Prof. Dr. Melva Silitonga, M.S. as the thesis examiner who provided constructive criticism and suggestion for improving this thesis writing.
- 3. Mr. Drs. Syarifuddin, M.Sc., Ph.D. as an academic supervisor who has provided guidance during the author's study at Medan State University.
- 4. Mr. Dr. Hasruddin, M.Pd., Mrs. Dr. Aswarina Nasution, M.Pd., Mr. Halim Simatupang, S.Pd., M.Pd., and Mrs. Widia Ningsih, S.Pd., M.Pd. as validators who have guided the author to develop more effective research instruments.
- 5. Mr. Reza Faisal, S.Pd., M.PMat and staff, who have provided the author with the opportunity to conduct research at MAN 1 Medan.
- 6. Mrs. Khairina, Mrs. Yunita Adiasa Pratama, and Mrs. Fildza Adiba Saufi Lubis as biology teachers who have provided guidance during the research process.
- 7. Author's beloved parents, Mr. Ardiansyah Bintang and Mrs. Anamahani Maha, and the author's brothers, Raihansyah Azdi Bintang dan Raziq Fathansyah Bintang, who have consistently provided the author with material and psychological support, love, and prayers.

- 8. WISBAR team, namely Amalia Putri, Azura Nur Yenda, Elsariya Br Ginting, Jessika Maria Simanjuntak, and Siti Nuraisah Asma Ujung, who have accompanied and supported the author in university, especially in the preparation of this thesis. Additionally, Rahmawati Pasaribu as a great friend who consistently tried to support the author throughout the past seven years.
- 9. Classmates in Biology Education Study Program 2020, who have shared knowledge and motivation to the author in university.
- 10. All family, friends, and parties who have given support and prayers to the author, who cannot be mentioned one by one.

The author realizes that this thesis still contains numerous deficiencies, both in terms of content and grammar. Accordingly, the author awaits constructive criticism and suggestions from readers to improving this thesis. The author hopes that this thesis will be useful for readers and interested parties.

Medan, 3 July 2024

Author,

Syahana Sabila Fajriah Bintang

IDN. 4203141044

