

ACKNOWLEDGEMENT

The greatest praise and thankfulness to the Almighty God, Jesus Christ for grace and blessing who always provide health, spirit, strength and everything to the author in finishing this study.

The title of this thesis is “ The Development of Student’s Worksheet Based Android Mobile on Salt Hydrolysis” this thesis is the one prerequisite to get degree Sarjana Pendidikan in Educational Department of Chemistry, Mathematic and Natural Science Faculty, State University of Medan.

In this opportunity, I would like to express my greatest thanks for:

- The deepest and special loving, appreciation and thank to my beloved parents, for all love, prayer, support, and sacrifice, my beloved daddy Saut P Samosir and beautiful mommy Pasti Tampubolon . They are my inspiration and my spirit in finishing my thesis for beginning to the end. They’re special, the best ever parents in my life. I love them to the moon and back.
- Prof. Dr. Ramlan Silaban, M.Si as thesis supervisor thanks for his valuable time to spent in giving guidance comments and advice during the process of completing this thesis.
- Prof. Drs. Manihar Situmorang, M.Sc., Ph.D , Dr.Iis Siti Jahro, M.Si , and Dr. Jasmidi, M.Si as examiner and author reviewer counselor for their advices, suggestions, guidance and constructive comments in the process of completing this thesis.
- Thanks also conveyed to Dra. Ani Sutiani, M.Si as author’s Academic Supervisor who always guided author during the lecture.
- Dr. Iis Siti Jahro, M.Si, Dr. Zainuddin Muchtar, M.Si as the expert lectures to standardized the student’s worksheet based android mobile and give suggestions for making good learning material.
- Author would like to said gratitude to Dr. Martina Restuasti, M.Si as dean of FMIPA UNIMED, Dr.Iis Siti Jahro, M.Si as the Coordinator Bilingual Program in FMIPA UNIMED, Nora Susanti, S.Si., Apt., M.Sc as Secreatry of Bilingual Program and also Dr. Ayi Darmana, M.Si as Head of Chemistry Department, and all ofthe Mr and MRS, Staff and Lecturers

in Educational Department especially in Bilingual Program of FMIPA UNIMED who have helped author.

- Author said thanks to Riadi S.Pd., M.AP as Headmaster of SMA N 1 PERBAUNGAN for giving permission to do research. Author also said thanks to all the teacher who helped author giving suggestion, advice in the research.
- Author said thanks to my thesis partner Debby Panjaitan who helper and support me during in arrangement thesis. Be a good girl Deb, don't let me down.
- Special thanks to my beloved friends Caca Kiyowo, Lala Mutz as personil of Tiga Dara group, my partner and also my very kind helper during in thesis arrangement, always support me not only in my thesis arrangement but also all my stituation and conditions, in my daily life and always receive my bad personality, thanks for unlimitid time in our togetherness, laugh and experinece that make me more confidence and brave in my life. Let' go to next trip and next wonderful future Thanks, Love you.
- Greatest thanks to all my friends in CESP 2015 : Enny or Caca, Ellya or Lala, Kak Citra, Jecky Sayang, Habib as Komting, Mak Eli, Dwi, Riska Omes, Rusyda, Indri, Santun, Sabetna, Debby, Japarto, the most crazy and enjoyable class ever, full ambition but full fun, great to know you, thank for this great awesome friendship. Thanks for 4 years guys and let's go the next wonderful future.

Finally, the author hopes this thesis would be useful for everyone who like to explore more about the student's worksheet based android mobile to learn salt hydrolysis topic and general chemistry. May God bless us together.

Medan, May 2019

Lusi Lamria Samosir

Reg No. 4153332016