ACKNOWLEDGEMENT

Praise and thanks the writer prayed to the Lord Jesus Christ, for all His blessing and love of His presence so that the writer can be completed this thesis properly and on time with entitled: “The Effect of mage-Based Student Worksheet in Learning Outcome at Human Digestive System Class XI Science of SMA N 1 Sidikalang Academic Year 2013/2014”.

This thesis was the result of scientific thought the writer built upon the theories that the writer gained during lecture. This thesis is intended as one of the requirements to obtain The Bachelor’s degree of Education (S-1) Biology Department State University of Medan.

This thesis could not have been accomplished without guidance, suggestions and comments from some people, thus the writer would like to extend special thanks to:

1. Mr. Prof. Dr. Herbert Sipahutar, M.Si., M.Sc., as writer’s thesis supervisor for his guidance, suggestions and willingness to accept the title of this thesis and to spend his valuable time in correcting and critic this thesis draft.
3. Mr. Drs. Alben Sianturi., the principal of SMA N 1 Sidikalang for his kindness to allow the writer in conducting research at that school. Mr. Ronald Pasaribu, S.Pd., Mr. Wahidin, S.Pd as biology teacher in SMA N 1 Sidikalang for their kindness to the writer in conducting research at their class and also all the students of class XI Science 1 and XI Science 2 that have participated during the research.
4. Beloved parents Ayahanda Jamson Pakpahan, S.Pd and Ibunda Kamsia Sinaga for all their care support and encouragement including their endless love and prayer for writer, that have reinforced the writer in finishing the writer’s undergraduate education. Beloved older sister Hiarohana Pakpahan, S.Pd., younger brother Daniel Nikson Pakpahan, David Fourson Pakpahan, younger sister Anna Lusiana Pakpahan, and youngest brother Roberto Nasibson Pakpahan and also my grandmother S. Lumbanraja, for their prayer, support, guidance and kindness to the writer.
5. Special friend in Manna Community Small Group, K’Henny Manurung, Herlina Manalu, Lea Christina Ginting, Dewi Mentari Hutabalian, Helma Katarina Sihombing, and Tiara Linda Batubara for their encouragement and willingness to help the writer to complete this research and also writer’s friend in Bilingual Biology Class, Frendy Jonathan Sinulingga, and Melanie Putri Harahap for their support during finishing this thesis.
Simangunsong, Sherlin Julinda Zega, and Dick Wanda Sitinjak, for their prayer and support during finishing this thesis.

7. Special partner of Lord Servant Koordinasi 2014 (Lea Ginting, Sulastthry Butarbutar, Apriyani Simanjuntak, Berton Siahaan, Hertiana Manurung, Dewi Hutabalian, Tahando Girsang, Rina Rumahorbo, Rina Banjarnahor, Fretty Sinaga, Meyta Ginting, Reni Simanjuntak, and Oripa Sitohang), for their prayer, and support to finish this thesis.

8. Special thanks to older brother B’Ricky Doyan Sitinjak and B’Herdian Purba, for their suggestion, comment, support, prayer and motivation to the writer until finishing well this thesis. The last but not the least, thanks to all of my friends in organization INOPASI and El-Senyor Choir, all sisters and brothers in Biology Bilingual Department, State University of Medan for their motivation whose name can not be mentioned one by one here.

May the Lord show His mercy upon us, Love and Peace of Lord Jesus Christ always is with us. Finally with humility and respected, the writer hope this paper will be beneficial to contribute ideas in education.

Medan, September 2014
The Writer

Martalena Pakpahan
4103342019