

## ACKNOWLEDGEMENT

First of all, the writer would like to praise God for His Love and grace that has given health and wisdom, so this thesis can be completed properly in accordance with planned time.

Thesis with the title “The Comparison of Learning Achievement and Activities between Students Taught with Group and Individual Work of PBL Grade XI IA SMAN 1 Matauli Academic Year 2012/2013” is aimed in fulfilling a requirement to get the degree of Sarjana Pendidikan at Biology department, faculty Mathematics and natural science, State University of Medan.

Firstly the writer would like to express her great gratitude to Prof. Dr Herbert Sipahutar, M.S, M.Sc as her consultant for her generous assistance, guidance, advices and valuable time to read and discuss the thesis until it is completed. The author also would like thank profusely to Prof. Drs. Motlan, M.Sc, Ph.D., as dean of the Faculty of Mathematics and Natural Science, State University of Medan. Thank Dr. Fauziah Harahap, M.Si., Dra. Meida Nugrahalia, M.Sc., Dr. Hasruddin, M.Pd., as the lecturer team of examiners, for their suggestions and constructive criticisms for the revision of this thesis and Drs. H. Ashar Hasairin, M.Si. as her academic supervisor who has guided the author during academic program. The writer also thanks to Drs. H. Tri Harsono, M.Si as the head of Biology department, Prof. Dr Herbert Sipahutar, M.S, M.Sc as the coordinator of bilingual study program and also all officers in Biology department who had help the writer in arranging this thesis. Thank the headmaster of SMA Negeri 1 Matauli, Murdianto, S.Pd, M.M and Biology teacher, Mrs. Suhrotul widyah, S.Pd, Mrs. Irmayanti, S.Si, and all the teachers also students especially XI IA 2 and XI IA 3 in SMA Negeri 1 Matauli who received the presence of the writer during research in the classes.

Writer thanks fully her beloved father Ombis Gultom and mother Lukeria Simaremare for their everlasting love, hopeful prayers in her life, and the entire moral and the financial support that have enabled the writer to finish her study, also her special thanks and admiration to her beloved brothers and sisters,

Martogap, Virnando, Dedearta and Ona Gultom who always give support and pray to the writer.

The writer thanks her small family in UKMKP (B'Doyar, Rina, and Ivo) and also family in El-Senyor Choir (B'Lambok, and all the members) and also for all her friends in Biology Bilingual '09 and especially 7 sun (Ivo, Rina, Remli, Tresia, Nella, Wiwik) who always give spirit and motivation to the writer as the struggling friends. Writer also thanks B'Risya, B'Jhon, Mona and team PPLT MTN, and also for all the students Ank 17 MTN who always support the writer and thanks Ozora Choir (Mami ve, K'Maya, K'Ina and all the members). And special thanks to Gregorius Tinambunan who always supports, motivates and prays for the writer.

The writer had tried as much as possible in the completion of this thesis, but the writer is aware there are still many weaknesses in terms of content and grammar therefore the writer is pleased to receive some suggestions and constructive criticism from readers for thesis perfectly. Presumably the contents of this thesis are useful in enriching science and education.

Medan, July 2013

Author,

THE  
*Character Building*  
UNIVERSITY

Triana Puspasari Gultom

SID. 409342033