Title of Thesis : The Analysis and Development of Chemistry Lab Manual for Grade XI of Senior High School on Learning Colloidal System : Fridayuni Simanjuntak Name : 4123332005 Reg. Number : Chemistry Education Study Program Department : Chemistry Approved by: Thesis Supervisor, Dr. Marham Sitorus, M. Si NIP. 19630101 198903 1 004 Acknowledged by: Bilingual Program Coordinator, **Chemistry Department** Head, Dr. Iis Siti Jahro, M.Si NIP. 19651015 199203 2 003 Agus Kembaren, S.Si., M.Si NIP. 19680814 199403 1 004 EMIPA DIMED Mr. Asrin Lubis, M.Pd NIP:19601002 198703 1 004 Graduation Date: June, 22th 2016