Title of Thesis :Implementation Of Learning Cycle Model With

Experimental Method To Increase Senior High School

Student's Achievement In Teaching Of Colloid

Name :Hidayat Kesuma

Reg. Number :409332020

Study Program : Chemistry Education Bilingual

Department :Chemistry

Approved:

Thesis Supervisor

Dr. Marham Sitorus M. Si NIP 19630101 198903 1 004

Known:

Head of Chemistry Department

Coordinator of Bilingual Class

Dr. ret.nat. Binari Manurung, M.Si

Drs. Jamalum Purba, M.Si

NIP. 19641207 199103 1 002

NIP. 19640404 198903 1 006

FMIPA UNIMED

Dean,

Prof. Drs. Motlan Sirait, M.Sc., Ph. D.

NIP. 19590805 198601 1 001

Date of Graduation: July, 22nd 2013