: The Influence of Problem Based Learning Model to Title of Thesis

> Student's Achievement and Student's Increase Character of Cooperation and Responsibility on the

> Teaching of Solubility and Solubility Product in

Senior High School

Lheilamora Astaman Harahap Name

Reg. Number : 4103332018

Chemistry Education Study Program Study Program

Depatrment : Chemistry

> Approved by: Thesis supervisor

Dr. Iis Siti Jahro, M.Si NIP. 19651015 199203 2 003

Acknowledge by:

Head of Chemistry Department

Cordinator of Bilingual Program

Drs. Jamalum Purba, M.Si

NIP. 19641207 199103 1 002

Prof. Dr. rer. nat Binari Manurung, M.Si

NIP. 19640404 198903 1 006

NIMED

Prof. Drs. Motlan, M.Sc., Ph.D NTP. 19590805 198601 1 001

Examination Date: July 7th 2014