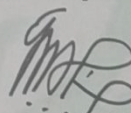


Title of research : The Implementation of Contextual Teaching and Learning (CTL) with Multimedia Based on Computer to Improve Communicative and Increase Student's Achievement In Hydrocarbon Topic

Name : Ervi Luthfi Sheila Wannu Lubis
 Reg. Number : 4103332003
 Study Program : Bilingual Chemistry Education
 Department : Chemistry

Approved by:
 Thesis Supervisor

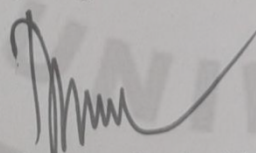


Prof. Dr. Ramlan Silaban, M.Si
 NIP. 19600618 198703 1 002

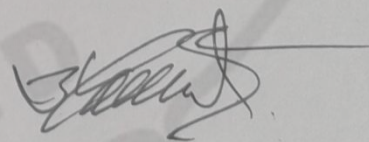
Acknowledge By:

Head of Chemistry Education
 Study Program

Coordinator of Bilingual Program,



Dra. Jamalum Purba, M.Si
 NIP: 19641207 199103 1 002



Prof. Dr. rer. nat. Binari Manurung, M.S
 NIP. 19640404 198903 1 006

FMIPA Unimed,

Dean,



Prof. Dr. Motlan, M.Sc., Ph.D
 NIP. 19590805 198601 1 001

Date of Graduated : 18th of July 2014