

Title of Thesis : The Comparison of Worksheet and Index Card Match as a Media on Collaborative Learning Model on Students' Learning Outcome in Learning of Buffer Solution Based on Lesson Study

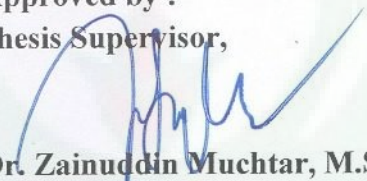
Name : Seruni Olivia Gita Ramadhani

Reg. Number : 4123332018

Study Program : Bilingual Chemistry Education

Department : Chemistry

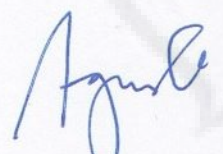
Approved by :
Thesis Supervisor,



Dr. Zainuddin Muchtar, M.Si
NIP. 196703171992031004


Acknowledged by :

Chemistry Department
Head,



Agus Kembaren, S.Si, M.Si
NIP. 19680814 199403 1 004

Bilingual Program
Coordinator,



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

FMEPA UNIMED
Dean,

Dr. Asrin Lubis, M.Pd
NIP. 19601002 198703 1 004

Graduation Date : August, 18th 2016