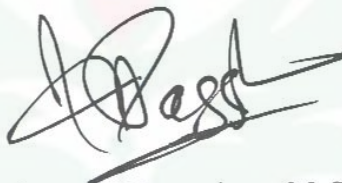


**Research Title : The Effectiveness of using Virtual Simulation Media with Macromedia Flash Combine with Experimental Method to Improve Students' Learning Outcomes in Dynamics Electric's Subject for the First Grade of SMA N 1 Perbaungan A.Y. 2012/2013**

Name : Fetriana Simanihuruk  
ID. Number : 409322016  
Study Program : Physics Education Bilingual  
Department : Physics

Approved by :  
Thesis Supervisor,

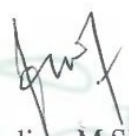


Drs. Jonny H. Panggabean, M. Si  
NIP.19640921 198903 1 003


Acknowledge By :

Physics Department  
Header,

Coordinator of Bilingual Program,



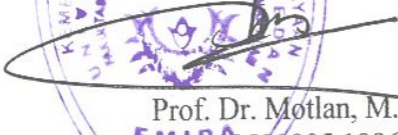
Dr. Derlina, M.Si.  
NIP. 19640321 199003 2 001



Prof. Dr. Herbert Sipahutar, M.S,M. Sc.  
NIP. 19610626 198710 1 001



EMIPA UNIMED  
Dean,



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

Date of Examination: July 16<sup>th</sup>, 2013