

**THE DEVELOPMENT OF AN INNOVATIVE LEARNING  
MATERIAL WITH PROJECT ON THE TEACHING OF  
COMPLEXOMETRY TITRATION**

**Jecky Bukit (Reg. Number 4153332015)**

**ABSTRACT**

This research was conducted at Department of Chemistry FMIPA State University of Medan, The sample of research is Bilingual Chemistry Student. The aim of the research is to development an innovative learning material with integrating project to facilitate students in learning activities, To produce innovative learning material with project to fullfill the feasibility standars on Complexometry Titration topic, To know the students's perception after using innovative learning material with project based learning on Complexometry Titration topic, To know the student's activity after using innovative learning material with project on Complexometry Titration topic . This research is descriptive and experimental development; research and development (R and D). Innovative learning material developed by integration of project in laboratory experiments. Project in the learning material was standardized by lectures and students. Based on the standardization results obtained the average value of lectures and students is 3.67 is categorized to be very good. Projects in the learning material was implemented by students, based on the result obtained average value of 90.92 for activities assesment, it is categorized as very good. It shows that the project in the learning material increases student activity in learning and it is as used tool to facilitate students in learning. Students give positive response for innovative learning material with project.

**Keywords :** *Development, Learning Material, Project Based Learning.*

THE  
*Character Building*  
UNIVERSITY