

**THE DEVELOPMENT AN INNOVATIVE LEARNING
MATERIAL WITH PROJECT BASED LEARNING ON
THE TEACHING OF ANION ANALYSIS**

Kartika Narulita Sihombing (4143332017)

Abstract

This research was conducted at Department of Chemistry Faculty of MIPA State University of Medan, The sample of research is Bilingual Chemistry Student. This study aims to (1) Innovative learning material on the teaching of anion analysis with integrating project to facilitate student in learning activities, (2) To produce innovative learning material with project based learning to fulfill the standard of teaching, (3) To know student's activity after using innovative learning material with project based learning on the teaching of Anion Analysis, (4) To know the student's response of innovative learning material with project based learning on the teaching of anion analysis. This research is descriptive and experimental development (development and research). Innovative learning material developed by integration of project in laboratory experiments. Project in the learning material was standardized by lecturers and students. Based on the standardization results obtained the average value of lecturers and students is 3.61 is categorized to be very good. Projects in the learning material was implemented by students, based on the result obtained average value of 88.05 for activities assessment, 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 based learning.

Keywords: *Development, Learning material, Project based learning.*

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