

## **The effect of project based learning on level of content knowledge of pre-vocational subject**

### **ABSTRACT**

Project based learning (PoBL) offers promise as an instructional method that engaged student in school grounded through their experience with authentically learning. Findings from previous research shows results of positive effects on student such as create active, interesting and meaningful learning. The PoBL can be used as a teaching method in building 21st century skills. This article reports the effect of PoBL towards students' level of knowledge in the Integrated Living Skills subject. This subject is a pre-vocational subject and has offers to students of lower secondary school education. The quasi experimental design was employed with the pre and post group design of two groups, the control group of 30 respondents and the treatment group of 33 respondents. The intervention executed took about eight weeks while the instruments used consist of a set of pre-test and post-test for one topic called Project Designs and Production in the subject. The finding shows that there is significant difference in mean scores between the treatment and control group. As a conclusion, the PoBL method can be practiced by teachers in the field of technical and vocational education as well as be made into a pedagogical practice besides traditional teaching in improving students' level of knowledge.

**Keyword:** Project based learning; 21st century skills; Level of content knowledge; Vocational subject; Technical and vocational education