

Exploratory of Electrical Learning Kit for STEM Application

Abstract

Throughout the year, the implementation of the traditional approach (lecture-based) in the teaching and learning process seems to be less effective in increasing the interest among students towards the STEM subjects. Conversely, the use of practical learning method emphasizes on the psychomotor domain so that readers gain a clearer and more effective understanding. Thus, the aim of this paper is to investigate and exploratory the unique approach in implementation the learning kit where the students will increase their understanding towards the fundamental of electrical engineering. The effects that influenced the development process of learning kit is discussed and provided the ideas to build a quality learning kit for students who involved in STEM.