ABSTRACT

SMPN 1 Dayeuhkolot is one of the existing schools in Bandung Regency. The learning system in SMPN 1 Dayeuhkolot still conventionally is to do with the manual system of learning is done in the classroom with the teacher explains the flow of material to the students and give the task directly, other weaknesses in the process of KBM in Dayeuhkolot 1 SMPN is the teachers often don't convey the syllabus of the subjects that will be given to students due to several reasons such as time limitations. In addition to the missed delivery syllabus, other problems faced in Dayeuhkolot 1 SMPN is the delivery of the material, the time of 2x45 minutes for subjects but that time is not enough to explain some of the material, so that the effectiveness of the students to understand the material being low. Besides the interest of students working on a matter is still low due to existing learning media such as the student's worksheet (LKS) which became an alternative book summary material to tackle the question of not giving the material in detail, opaque paper used less attractive makes students quickly bored and lazy to tackle the matter of existing practice in it.

Research methods used in this study using the method of the approach to the object. Design research use descriptive method and survey. Method of data collection using the techniques of observation, documentation, and interviews. Tool design systems used to describe the model systems including Use Case diagrams, activity diagrams, class, scenarios, deployment diagrams, and sequence diagrams. In the development of E-Learning System using programming language PHP, CodeIgniter Framework, Sublime Text 2 as assistive software and Mysql as the database.

The proposed system can be used to assist in the teaching and learning activities in SMPN 1 Dayeuhkolot, so the current obstacles faced could be solved properly. Advice for researchers is the perfecting of the limitations of this system, including forward can be complemented by other subjects.

Keywords: information systems, E-Learning, SMPN 1 Dayeuhkolot.