

ABSTRACT

Learning Management System (LMS) is an application that virtualize the learning process electronically. LMS has many functions in the process of teaching and learning that occurs in school. The case studies will be taken in making this application is SMA N 1 Dayeuhkolot. SMA is already implementing technology-based learning but for its implementation is still minimal, so the process pembelajaran still often done face to face, let's say if the teacher was unable to attend or time of delivery of material that is less while the material presented many and therefore there are some obstacles to the learning process , This application is made by the waterfall method using the PHP programming language with CodeIgniter framework and uses MySQL as the database server. Testing of this application method, black box testing and User Acceptance Test (UAT). With the application of learning management system can help the learning process in SMA N 1 Dayeuhkolot. Facilitate the teachers and students to conduct discussions if teachers are unable to attend or as a divider media information that can be done anywhere and can allows teachers to monitor student scores in graphical form.

Keywords: LMS, waterfall, CodeIgniter