

ABSTRACT

The COVID-19 pandemic requires everyone to remain at home indefinitely to prevent the spread of this virus. Learning from home or studying online is one of the programs carried out by the government to reduce the spread of COVID-19. Seeing this, website and mobile-based third-party applications began to be used to support distance learning. Based on the management of the results of the questionnaire that we got, this online learning method has student complaints such as students needing to get material from the teacher, students need to make attendance three times, and students need to use many applications to do tests and quizzes. Seeing this, one alternative that can be done is the development of a learning management system that can overcome the problems above. The development of this system is equipped with material storage features, online learning attendance features, and also features for taking tests and quizzes. This can be done by conducting research and distributing questionnaires to high school students about user needs, designing the system to be built, building the system, testing the system when the system has been completed by involving students as users of this system, and finally implementing the system that will be used by students. In the Development of Learning Management System SMA Prestasi Prima Student module this systematic design used is using prototype methods. The programming language that will be used on system development is PHP with CodeIgniter 3 framework as well as MySQL database storage. The end result of this project is a website-based application with material storage, attendance form, and features for doing tests and quizzes. Based on the development and testing of the final project, the system functionality can run well with features that run as expected.

Keywords: COVID-19, Prototype Method, Online Learning, Learning Management System.