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Abstract

The learning paradigm at this time has changed from teacher-centered learning to student-centered learning. In this digital era, all data and information are spread in all parts of the world, so that everyone can easily access all the desired information. All information is very much in the virtual world so information filters are needed to get useful and positive information. At this time learning is very likely to do online / cyberspace / internet using online learning applications. Many factors of online learning development are students / students spread so that the constraints in time and resources in traveling, students / students have a busy work, students / students have difficulty in communication in real time, students / students have limitations / constraints when participate in face-to-face classes. Based on these factors, it is necessary to have online learning facilities in interactive multimedia-based learning, especially learning Geographic Information Systems, which most students / students are very difficult to get the subject matter. This application is able to bridge between students and educators that are not limited to space and time. This study consists of learning modules of Geographic Information Systems which are combined in the application of online learning using interactive

multimedia. This application is also able to facilitate online learning that can be accessed at any time as long as it is connected to the internet. The LMS (Learning Management System) built for online learning of STIKOM Bali students using moodle collaborated with Adobe software captivate multimedia.

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Index Terms

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Keywords

Online learning, LMS (Learning Management System), moodle, Geographic Information Systems