ABSTRACT

E-LEARNING APPLICATION BASED ON WEB ON SMP NEGERI 2 SINDANGKERTA

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Learning application on SMP Negeri 2 Sindangkerta still doing with the Conventional way. Which done with direct face to face and the time is limited so that it is needs more of learning which effective and effecient, the process learning is E-Learning.

In the development process of E-Learning application uses the descriptive research method with type research af case studies, where data collecting technique done with the stage of observation, interview and literature study. For software development methodology using waterfall method whereas for data modeling uses the structured method DFD (Data Flow Diagram) in depicting functional modeling and ERD (Entity Relationship Diagram) to illustratate data model and the programming language used is language of programming personal home pagetools (PHP) by using a database My Structure Querry Language (SQL) Server.

After going through stages of development in accordance with the chosen method is in implementing learning systems in E-Learning has a testing phase system consisting of alpha testing where this test using black box testing method that focuses on functional requirements and software testing is field testing Betha with data processing as a result of a choice accuracy score.

The application can help the students learn because there are several function including downloading materials, doing excercises, tests and directly communicate with teachers through lifechat, so that students no longer needed to study using conventional means because of all the data needed by the students was provided.

E-learning. learning and web.