ABSTRACT

DEVELOPING APPLICATIONS OF E-LEARNING WEB-BASED IN SMK NEGERI 2 CIMAHI

By

Syarif Hadi Musthapa
10107519

SMK Negeri 2 Cimahi is a vocational high school which has three program expertise among them are Mekatronika, Multimedia, and RPL (software engineering). Vocational school district is located in Jalan Sukarasa No. 136 Citereup Cimahi. The process of teaching and learning in the country this SMK Negeri 2 Cimahi done by giving teachers instructional materials directly or face-to-face to their students are doing in class. The process of teaching such as this were judged inadequate because giving and learning more productive subjects compared with normative subjects and adaptive so that students understand the lack of normative subjects and adaptive because of limited space and time especially in the classroom, so it takes the support system in the process of teaching and learning in SMK Negeri 2 Cimahi.

Research methodology used in the preparation of this final Task is observation, whereas the literature studies development system using the waterfall method. To design this application to use structural design methods, namely Data Flow Diagram (DFD), DFD is a method which has become the standard in the industry for visualization, designing and documenting software systems based on data flow.

Based on testing the Alpha and Beta of e-learning applications can provide a support system to help enhance the learning process in SMK Negeri 2 Cimahi. Facilitate and optimize the process of teaching and learning especially in the normative lessons and adaptive, facilitate students in getting info announcements, the subject matter and can be added to discuss media discussion of the subject matter that has not been completely and provide services for head teacher to monitor developments in the value of exam results online students.

Keywords : E-Learning, Website, Application