ABSTRACT

E-LEARNING COMPUTER NETWORK AT SMK PRAKARYA INTERNASIONAL BANDUNG

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Expansion of e-learning application is to make easiest student in self-supporting learning. In these research done to case study at subject computer network in vocational highway school. In konvensional way, to master in computer network, student is claimed to memorized a matter of subject. This method is felt so bored for student. For that reason, is needed to find the method that make a students can give a they participation. By this method, hoped can increase they enthusiasm in studied a network computer.

The purpose of this research is to build the dynamic learning system with use self learning materials and to help in evaluation process learning that in future will be applied in school.

Development of a learning application was carried out using a software waterfall. The data were collected by conducting a literature study and a field study for analysing the needs in application design and application building. Then, the data were translated to a programme language personal home page tools (PHP) *using a database My Structured Query Language* (SQL) *server. The proper test for the application was done in two steps : (1) alpha test, to know that every process can operate according to its function, and (2) betha test, to know respons of the users (high school students and public) to the proper of the application.*

Result of the research were : (1) the process of the application was able to operate well according to its function and it was able to produce an expected output, and (2) according to the users, the application were easy,