ABSTRACT

APPLICATION DEVELOPMENT WEB-BASED
E-LEARNING IN SMA BPI 1 BANDUNG

by

Dea Diki Hamdan
10105162

During the time all study process in SMA BPI 1 Bandung still have the character of conventionally, equally that process learn to teach between student with teacher can only be conducted on condition that the happening of meeting between student with teacher in class. If meeting between student with teacher dont happened or absent pertinent teacher and study time limited by school, hence automatically process study even also will be pursued. Various new technique and concept in instruction have developed many to replace traditional method which only reliing on one way instruction method in the class. One of the instruction method which is expanding in a period to now is e-learning. E-Learning can assist all instructor in their teaching materials distribution without having to reside in class by using internet, this matter can maximize study time in limited class.

Development of information system in making of software use method of Waterfall. Method data collecting which used in this research is literature study, and observation of interview with topic to be taken. To design this application used by structural scheme method that is making of Entity Relationship (ER) and making of Data of Flow Diagram (DFD) to design and document software system pursuant to data stream. In making of this software use PHP as Ianguage of script used to make page;yard of web and of Mysql as data repository database. Program tested by doing examination of program with data's input which have there by using method of Blackbox that is examination of alpha, and also do examination of betha representing examination directly to user to use this software.

With existence of this e-learning can assist process learn to teach to be more optimal. Facilitating all teacher to be able to distribute Iesson items for the student of in SMA BPI 1 as well as student earn easily get Iesson items. This E-Learning Website can be made by additional discussion media to study Iesson items which not yet complete and also can do test problems in the form of multiple choice and collect duties which giving by teacher

Keyword : SMA BPI 1, E-Learning,Waterfall, DFD, ER, PHP, Mysql, Blackbox, Alpha and of Betha