

Abstract

E-Learning is learning with electronic media and virtual learning on internet. This learning involves direct interaction between students with E-Learning system, so that teachers do not have to deal directly with students. The problems in E-Learning system that is just putting course materials on the web and every student receive the same materials without considering the level knowledge and the personality type of students.

The system built on this final project shows an Adaptive E-Learning System (AES) that has the ability to present the learning based on the level knowledge and the personality type of students. The detection's result of the student's personality type will provide a learning pattern that will be combined with the level knowledge of students. These combinations will be presented to students in the form of matter.

This final project will be built using procedural design, whereas the database was built using MySQL. PHP and Javascript will be used as a programming language, and Xerte Toolkits as a tool for making examples of the material.

Keywords: *E-Learning, Adaptive E-Learning System (AES)*