

## ABSTRACT

The web-based computer basic system learning application (Bacsystem) was created to make it easier for Telkom University 2 2 applied science students to find visual books or visual materials related to basic computer systems and help understand basic computer system science and test skills with quizzes. Web-based applications are developed with native php in order to increase the performance of the web and use the PHP programming language with a MySQL database. Application testing ensures the quality of the website running well from code quality, functionality testing and user testing. Then the tests and surveys conducted showed 50.6% sufficient/neutral to usability, 46.5% sufficient/neutral to effectiveness and 53.7% sufficient/neutral to satisfaction which means that the basic learning application of web-based computer systems (Bacsystem) is easy to use.

**Keywords:** Basic Computer Systems, Quiz, Faculty of Applied Sciences.