

ABSTRACT

As a benchmark of the students comprehension about the subjects from the lecturer in class, usually there are competency exam that will be held after all the subjects completed. But sometimes time limited in class to fulfilled all the syllabus be hampered, such as there isn't adding time to competency exam. During this time, the competency exam system in D3 Teknik Telekomunikasi at Telkom University did in class and based on paper. Besides of less environmentally friendly, the lecturer also need more time to make the task, make an exam, and then examined the answer sheet of the students.

Based of the weakness, we need a solution in order to saving time, papers, and facilitate the lecturer and the students. For it was made an specific application to executed the competency exam and being the Final Project with titled "Design and Implementation of Interface Online Examination on a Web-based."

Online exam application is made in the form of a website. The programming language used is PHP and MySQL is the database used. Load test results from the website using software WebServer Stress Tool 8 applications can be used at the same time by 500 users. The results of the testing functionality and test results of subjectivity that scored an average of 4.2 so based on an assessment in the table Mean Opinion Score can be summed up that the online exam website are made declared well and has been working as you wish.

Keywords: *Application, Website, Online Exam, PHP, MySQL*