

ABSTRACT

Train service provider, PT. Kereta Api Indonesia (KAI) especially in Bandung operating area currently does not utilize the advantages of using information technology. The passengers of Train that operated by PT. KAI need the information of certain train locations in real-time. Unfortunately, Until now there is no menu information system rail location..

According to the above problems, in this final project the author designs a website based train location information system. The design uses framework codeigniter as the base application to create a dynamic website using PHP and MySQL as its database system. This information system is designed accordingly to the survey results from 279 correspondents who are the passengers and PT. KAI itself. The system tests encompass server error measurement with different numbers of users using software webserver tool.

The functionality test result shows that all features of the system are fully functional accordingly to the system design. In the performance testing has been done with the number of 5 users 0% error occurred, with the number of 10 users 0% error, with the number of 50 users 0% error occurs, with the number of 100 users 0.2% error occurs, with the number of 300 users an error 7.47%, with the number of 500 users error sebsar 17.62%, with the number of 700 users an error of 31.05% and with the number of 1000 users error occurred by 45.61%. From the subjectivity test, the MOS average score is 4.87 that indicates the system is good and fully functional.

Keywords: Information system, Train Location, Website.