ABSTRACT

Management Information System The Computer Engineering Expertise Group (SIMKKRK) final project management module is a website-based management information system. This website was built with the aim of providing facilities in carrying out the process of monitoring the work of the final project title in the Bachelor of Computer Engineering Telkom University

This system is designed and built with the Waterfall method where the processing steps are carried out in a sequential manner. Starting from the collection of information needed by making SRS (Software Requirement Specification), modeled with the Standard Language UML (Unified Modeling Language), and the design of interface design using JSD (Jackson System Development). Management Information System Computer Engineering Expertise Group (SIMKKRK) final task management module is applied to the CodeIgniter framework with the PHP programming language (Hypertext Preprocessor) and database design using MySQL.

This website can be accessed by 4 users including Supervisor, Expert Group Lecturer, PKIP Lecturer and Student. Each user can monitor the process of processing the final assignment.

The application that has been implemented is tested with several test methods, namely Blackbox, Beta Testing, and Testing using Katalon Studio. The results of the Blackbox test stated that the function created in the design process was 100% successful and there were no errors. Functional testing using Katalon Studio states there are no functions that are error. Based on Beta Testing conducted by the lecturer as a correspondent from the Computer Engineering Expertise Group and one of them is the Secretary of the Expertise Group stating the application is good and running as it should with a few suggestions. Testing with student correspondents on a scale of 1 to 4, 71.4% of students gave a scale of 4, 26.8% of students gave a scale of 3, and 1.8% of students gave a scale of 2.

Kata kunci*: Sistem Informasi, Waterfall Method, UML, Codeigniter, ERD, SIMKKRK.*