ABSTRACT

Library Information System in Information Systems Studies Program serves as a means of supporting college students in learning outside of class hours. Library Information System is running there are still shortcomings such as the record book, find the data book, the system returns lending transactions and report data libraries that have not used the computerized system. The purpose of this study was to determine the library information system is running, making the Library Information System design, testing and implementing systems.

The methodology use or used in making information system web-based is prototype methodology that includes the identification of user requirements, building prototypes, testing prototype, repairing prototype and production versions of the development that is expected to menbantu in the design of this system as well as design studies using the method observation and interviews. The tools used to describe the system model is a form of data flow diagrams (FlowMap), context diagrams, and Data Flow Diagrams (DFD), as well as in database design using a data dictionary, normalization, and Entity Relationship Diagram (ERD). The software for the design and implementation of programs using xampp as a webserver, database and phpMySQL as Adobe Dreamweaver CS 4 as the editors write PHP files and HTM.

The results showed that designing a library information systems web-based at Studies Program Information Systems Indonesia Computer University can assist college students in accessing information about the books that exist on Studies Program. Conducting testing of application systems using the method of Blackbox. The final stage is an implementation information systems that include software implementation, hardware, database and interface of the resulting application.

Keywords: Library, Prodi, Web