ABSTRACT

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

The research methodology used in making web-based library information system is a prototype methodology that includes the identification of user requirements, making prototype, testing prototype, repairing prototype and development of the production version is expected to assist in the design of this system. To study the design method by using descriptive method, whereas the method of data collection using observation and interview methods. The tools used to describe the system model is a data flow diagram (Flow Map), context diagram, and Data Flow Diagrams (DFD), as well as in database design using a data dictionary, normalization, and Entity Relationship Diagram. As for software design and implementation of programs using xampp as a webserver, database and phpMySQL as Adobe Dreamweaver CS4 as an editor writing the PHP files and HTML.

The results showed that the design of web-based library information systems at the Politeknik Perdana Mandiri Purwakarta can assist students in accessing information about the books that exist diperpustakaan Politeknik Perdana Mandiri.Conduct testing of application systems using the Blackbox. The final stage is to implement information systems that include software implementation, hardware, database and interface of the application that generated.

Keywords : library information system