

ABSTRACT

This report on the results of a web-based library information system at SMK N 1 Giritontro, Wonogiri aims to develop a library information system that can facilitate the management of data on borrowing books and returning books in the library at SMK N 1 Giritontro. The research was conducted using the system requirements analysis method and web-based system design. The system requirements method is carried out by interviewing library users and making direct observations of activities in the library. The results of the system requirements analysis are used to design the features needed by the library, such as a book borrowing and returning system, a book search system, a membership system, and a book stock management system. The system design is carried out using the data processing and system model method, and using the PHP and MySQL programming languages as the basis for system development. In addition, testing of the system that has been designed is also carried out to determine the reliability and performance of the system in its use. The result of this study is the design of a web-based library information system that can be used easily and effectively by users of the SMK N 1 Giritontro library. The system design includes database structures, process flow diagrams, and user interfaces. It is hoped that the design of this system can be implemented to improve the efficiency of managing data on borrowing books and returning books at the SMK N 1 Giritontro library and improve the quality of library services to its users.

Keywords: Information Systems, Libraries, Web.