Implementation and Testing of Web-Based Library Information System (Case Study: MAN 2 Pati)

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ABSTRACT

MAN 2 Pati library is an institution engaged in the education of the ministry of religion located in Tayu, Pati district. In data management of the MAN 2 Pati library, the convection method is still used which results in the work being less effective and efficient. The research that has been conducted by Nur Aini entitled "Development of a Web-Based Library Information System using the Rapid Application Development (RAD) Method at SMP Masehi Pekalongan" explains that in her research there are system problems that still use manual methods in providing services to library visitors who borrow books. by writing in a notebook, therefore this library data is used to manage book data, member registration, and borrowing and returning transactions at the MAN 2 Pati library. The existence of a system that is designed and built can make it easier for officers to collect library data and manage library data more effectively and efficiently without using the manual method by means of form notes or books. The method used in developing the system is by conducting surveys and interviews, conducting system analysis, designing systems, implementing database systems and applications and conducting system testing. This library information system application can be used by librarian and librarian who are connected to the internet and use computerized methods that have been provided at the agency. Librarians can easily input data or book data management, member registration, borrowing and returning transactions and making reports every month, while the head of the library can receive and manage reports every month without using the manual method of making notes, forms or books because of the information system application. the library already recaps the data automatically.

Keywords: Information System, Library, Management, Web-Based.