ABSTRACT

Library is an important factor in supporting the transformation between sources of knowledge (collections) and knowledge seekers (visitors). The application of a system that still uses recording or manuals often experiences a problem, which usually occurs in the school library. The library of SMAN 27 Bandung still found problems, namely the absence of an early warning system in the form of library information notifications, lack of management of circulation of books and libraries and the number of textbooks and general only at the beginning of the book came to school. The application of SMAN 27 Bandung was built to overcome the problem of librarians to manage the library and send notifications in the form of text messages and monthly fine reports. The library application of SMAN 27 Bandung is built with the method of working on the waterfall system because it has a sequence process, starting from Analysis to support. And using the PHP programming language with codeigniter framework and MySQL as a database server. The library application of SMAN 27 Bandung conducts testing using the UAT (User Acceptance Test) test to ensure that the application is directly received or not and to find an error in the application error. Users of this application are the library of SMAN 27 Bandung which are librarians and visitors. This application is expected to facilitate the library management process conducted at SMAN 27 Bandung.

Keywords: Library, Application, SMS Gateway