

ABSTRACT

The library is a place to read and borrow books. In every school there is usually a library, as well as in SMA Situradja. Library management is very important, to see how much interest the students to read and borrow books, as well as manage and record books are available in libraries. Management books in the library SMA Situradja still use manual recording which makes it impractical to determine the availability of the book, the difficulty of knowing the location of the books to be borrowed, the difficulty in making a monthly report, the difficulty of knowing the book that has not been restored, and the difficulty of telling the members that have passed loan period. In this application, there are features that are expected to assist in the management of such libraries can store data in digital form into a database, record and display the data of visitors, recording a new book, recording borrowing, recording returns, see the monthly reports, and delivery sms notification to members of the late return a book. In this application work using waterfall method, the programming language used is Java, IDE netbeans for her, and Gammu as a library for sending sms notification process. This library application can be used with both and simplify the process of recording incoming books, borrowing books recording, recording the return of books, library patrons recording, book search, report generation, and sms delivery notification to members of the late return a book.

Keywords: Applications, Library, Waterfall, Java, Gammu