ABSTRACT

The library of SMAN 2 Bandar Lampung is currently using an information system for library management, where students who want to borrow books can do so by registering books to be borrowed through the librarian. Students can also view a list of books they are currently borrowing through the librarian. However, with the large number of students at SMAN 2 Bandar Lampung and the small number of librarians, the process of borrowing books and checking the list of borrowed books can take a long time and become inefficient. From this background, an extension of the system was made that can be used directly by the students through their smartphone devices using the account provided by the librarian. The process of borrowing books can be done by scanning the QR code in each book through the scanner from the application that uses the smartphone's camera. The final result is an extension system that fulfills the aforementioned requirements. After testing in the library of SMAN 2 Bandar Lampung, it was concluded that this system in general was able to help the problems occurred in the library of SMAN 2 Bandar Lampung.

Keywords : *Application, information, library, scanner, system.*

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