

ABSTRACT

In this digital era, a lot of people have used the technology to do daily work to be easier in house, school, etc. Technology is really important for education development, office administration, etc. Website is one of major technology which tremendously applied in many schools. SMK Prakarya Internasional is a high school based on applied techniques and management, a famous high school in Bandung city, west Java, Indonesia. Every programs of study in this high school is led by academic professionals who have good experiences in their field. However, the library management such as administration, books lending, and book returning are still in manual system. This is not efficient, especially if the student want to lend a book but the book is not available. In other way, all books in the library already have barcodes.

To solve this problem, a library-management website will be created on this final project using with barcode system in SMK Prakarya Internasional, Bandung. The book administration will be identified by barcode label, this method will accelerate the input process of book's datas. Beside that, the member cards will be equipped with barcode label. With these member cards, the book transaction will be a lot easier. The website also featured by book transaction reporting monthly and it will be generated automatically.

Based on the functionality test, all of website's functions are running well. Based on the test between lend a book manually and lend a book using this application, use this application is much more faster and reduce the time up to 51,74%. Based on subjective test, the total average score is 4.33 of 5.

Keywords : Website, Barcode, Library, SMK Prakarya International Bandung