

Designing and Testing References Searching System Using Website and Android-based NodeMCU at the Library

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ABSTRACT

The library is part of the learning resources that must be owned by every school or college. Students can easily search for information on references, such as book to be borrowed through the library. However, there are still many libraries using manual method in searching for the references. The development of technology forces people to create a computerized references searching system. By utilizing Android application facilities, students can be more effective and efficient in references searching and borrowing. Based on these problems, the researcher created a Book Search System Design in a Library Using Website and Android-based NodeMCU. In this tool, the process of searching for references using an android application and websites helped the librarian to find out which references are available in the library. If the references will be borrowed, the indicator light will be lit according to the location.

Keywords: Website, Android, Library, References