

ABSTRACT

A library is usually a bookstore, where books, research results and journals are neatly stored. So people who read it have to go to the library and look for the book they want. Many sources of scientific information, books, documents, library facilities, can be disseminated according to certain systems. . Methodology is doing something to achieve a goal. The framework outlines the stages of research implementation. Because it helps researchers to explain the work steps that will be taken to solve the problem. Based on the waterfall model, a discussion of each can be described, such as analysis, author's design, testing, support or maintenance. After realizing the system design. At this stage, the author implements the design results obtained previously. Before the system can really be used properly by users, the system needs a test phase first to ensure there are no problems in using the PHP programming language and the MySQL database used as the programming language. This barcode-based library information system design is used to make it easier for library staff and members to borrow books from the library and manage library data. Based on the discussion and conclusions presented, a development proposal for further research is provided.

Keywords: Design, Information System, School Library.