

ABSTRACT

The library is a place where there were many books with different types of books. The library is also a unit that can serve as a means of supporting and in education. For example, the Library Xaverius 7 Junior High School Palembang. On library Xaverius 7 Junior High School Palembang found problems that occur in the process of borrowing and the return on the book. The issue in question is in the process of borrowing and repayment is still done manually either in terms of borrowing and repayment process recording, processing, and data storage as an archive. Thus, created a loan application and returns the book to facilitate the process, so that the entered data can be stored directly in the database.

Based on the problems that have been mentioned above, should be able to take advantage of information technology who can solve the problem. Thus was made a loan application and library book return Xaverius 7 Junior High School Palembang in the wake with the waterfall model, analysis PIECES, Microsoft Visual Basic 2010, as well as XAMPP as a database. With the building of the application can provide ease for admin library to loan processing and return the book.

Keywords : Waterfall, PIECES, Microfost Visual Basic 2010, XAMPP