ABSTRACT

APPLICATION OF WEB BASED HYBRID LIBRARY IN SMA BINA BANGSA SEJAHTERA

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School library is the important contributor factor in teach and taught, which is library can being a resource of referral for its user. Nevertheless, school library in SMA Bina Bangsa Sejahtera still has problem in its maintenance. Such as no member registration and manual transaction note.

Based on IT (Information Technology), that problem can be solved. This application is collaborating digital library concept and library automation system concept, and it is called hybrid library. This application based on web, so every user can access it, but for conventional library service only can accessed by authorized user that its data is saved in academic database of SMA Bina Bangsa Sejahtera.

This application has functions to manage the library, such as collections processing, members processing, operators processing, and collection lend and return processing. This application also provides a function to convert collection report, lending report, and member report to xls document. Moreover, there are discussion forum and guest book as addition functions.

Methodology of software development that used is Methodology of Waterfall. This methodology is consisted of processes to develop a software, such as system analyst, system design, system implementation, system testing and system maintenance.

By comparing software development goal and system testing result (alpha testing and betha testing), we can get conclusions that application of hybrid library has good interface, easy to learn, congruence between requirements and its functionals, better in library service management, better in customers service, collections increase in quality and quantity.

Keywords :

Digital library, collaboration, library automation system, hybrid library, web, waterfall.