

ABSTRACT

ItJen KemHan Library had an important role for all ItJen KemHan personnel in helping run errands anyway. The whole collection in ItJen KemHan Library is used as a basic reference to conduct the audits, review, evaluate, and compose the report in the Ministry of Defence. To help ItJen KemHan Library staff has been running library management system (library automation) on the ItJen internal portal. Existing deficiencies in the application library management system is still manually use, so take much time and effort. ItJen Kemhan library will be open for public and that is necessary to build and develop something new not only for ItJen KemHan personnel but also the public at large.

The Development is making information systems of digital library on itjen kemhan by integrating digital library system and library management system (library automation). Digital library system contributes the development of digital resource digital resource that can be accessed via the Internet. Library management system contributed to the development of automation membership data processing, circulation and cataloging. This system created by using the waterfall method system development. Phase of waterfall development system consist of analysis, design, coding and testing.

The result of this system based on effectively and efficiently digital library websites. This system has been tested with blackbox testing and user interfaces testing and also can provide a solution of the problems previously. The Suggestions are should use the barcode scanner for circulation process, and conducted training prior to operate the new system to be optimal.

Key words: information system, integrating, digital library system, library management system, waterfall.