ABSTRACT

Indonesia Computer University Library is a unit, which is organizing the collection storage and maintenance of various types of library materials to be used managed systematically to support education.

Given the increasing complexity of library materials, circulation of library materials and increasingly high demands for quality service in the library, then the application of information technology has become a necessity for every business process automation in the library.

The research aims to develop automation software business process automation software registration of members, recording the identity of library, automated library lending transactions, automated refund transaction libraries, security library collection and reporting in the library use Radio Frequency Identification (RFID) and web-based data access mechanism (web service). Software develop is expected to improve service quality and simplify the business processes contained in the library.

Research result conclude that this system built to help simplify the process of business registration of members, recording the identity of library, automated library lending transactions, automated refund transaction libraries, security library collection and reporting in the library. prototype application this library can be used as a standard to measure the actual development of the scale

Keyword : unikom, library, system, information, software, rfid, web service