

ABSTRACT

Asset management is an important process in an institution to support the management and supervision of assets. The Department of Archives and Library of Semarang City experiences several problems in asset management, such as procurement, recording, and deletion of assets which are still carried out manually. Therefore, this study aims to design and develop a web-based asset management application using the ICONIX Process method, which consists of the requirements, analysis and preliminary design, detailed design, and implementation stages. The application was developed using PHP and the Laravel framework, JavaScript, HTML, CSS, Bootstrap, as well as MySQL and PhpMyAdmin for database management. The results of this application development indicate that the application was successfully developed and can facilitate asset management processes, such as managing item data, requesting and transferring goods, adding and verifying goods, and monitoring assets. Testing conducted using the black-box testing method showed that all main features of the application functioned properly in accordance with the predetermined functional system requirements.

Keywords : Asset Management, web-based application, ICONIX Process, Laravel Framework