

ABSTRACT

Design and Development of Document Repository System for Application Development at Perkasa Pilar Utama Inc.

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In the digitalization era, developments in information technology have made it possible for physical documents to be converted into digital documents. However, the efficient and secure management of digital documents is critical in ensuring the availability and integrity of these documents. Although there are a number of repository systems available from third parties such as Google Drive, Dropbox, and OneDrive, there are limitations in the features they offer. The limitations of these features include limited access management and the absence of a single dashboard containing content information in the repository service. In addition, the spread of document storage locations in various accounts and directories makes it difficult for application development teams to access these documents again. This study aims to design and build a document repository information system to centralize the storage of application creation documents in one directory at Perkasa Pilar Utama inc. Apart from that, this repository information system was also designed to fill the gap between the features provided by third party storage service providers and the needs of Perkasa Pilar Utama inc. Perkasa Pilar Utama inc. In this research, the system development method used is the Rapid Application Development (RAD). In addition to the method, this research also utilizes the Unified Modelling Language (UML) design tool which is used to help model and design new systems. The result of this research is a repository system that goes through the stages of needs analysis, system design to system implementation. Through this new repository information system, feature limitations found in third-party storage services can be overcome and can accommodate the needs of the application development team to discuss and also explore through the available discussion forum features.

Keyword : Repository System, Digitalization, System Design

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