

ABSTRACT

Technology has been widely adopted to facilitate various aspects of life, including in the property and real estate sectors. Although this sector significantly contributes to the global and regional economy, technology in this industry is still evolving, and companies often face challenges in document management. PT Ciputra Group, a leading player in the Indonesian property industry, has encountered difficulties in the storage and management of documents scattered across various locations. This results in challenges in accessing and managing crucial information. This study aims to develop a structured and integrated Document Management System (DMS) for Ciputra Group using the Extreme Programming (XP) method. XP was chosen due to its flexibility in adapting to dynamic business needs. The development of the DMS includes stages of requirement analysis, design, coding, and iterative testing. Evaluation through Unit Acceptance Testing (UAT) over two iterations showed that key features such as document information management, handover, borrowing, return, and approval notifications generally met the criteria, with average acceptability scores below 90% for some features. The first iteration successfully implemented basic features but identified the need for improvements in notifications and information details, with an average acceptability score of 88%. The second iteration added features such as Excel export and QR code printing, and improved approval notifications, although aspects like approval notifications still require further enhancement, with an average acceptability score reaching 92%. The results of this study are expected to provide a solution for Ciputra Group in managing documents more efficiently and offer benefits for students, academic institutions, and the development of document management applications.

Keywords: Document Management System, Extreme Programming, document management, PT Ciputra Group, software development.