

ABSTRACT

UD Ayem Tentrem is a company engaged in the distribution and processing of timber. The company faces several challenges in managing its business processes, such as manual record-keeping using Excel, non-integrated systems, and inefficiencies in generating documents such as delivery notes, community timber transport permits, company invoices, purchase receipts, and log volume documentation. These issues result in low operational efficiency and difficulties in evaluating timber receipt and delivery processes. This study aims to develop a web-based information system for managing timber receipt and delivery transactions using the ICONIX Process method. ICONIX Process is a structured, architecture-driven design methodology that includes use case modeling, domain analysis, and system design, ensuring user requirements are met while minimizing changes during implementation. The developed system provides features for recording timber transactions, automating the creation of necessary documents, and data visualization to support the evaluation of timber distribution. System testing was conducted using the black box testing method to ensure that the functionality aligns with user specifications. The results show that the system effectively facilitates the receipt and delivery process by reducing manual recording errors, simplifying document creation, and supporting evaluation through structured data presentation.

Keywords: Information System, Timber, ICONIX Process, Black Box Testing, Distribution, Web