

ABSTRACT

The Internal Audit Department of PT Kereta Cepat Indonesia China (KCIC) still relies on manual processes for preparing audit working papers. This method is not only time-consuming but also requires a high level of accuracy to avoid errors in document classification and labeling. When dealing with a large volume of documents or those originating from various sources, the process becomes increasingly complex and prone to delays. To address this issue, a digital archiving application was developed to manage audit working papers containing data and audit evidence. The analysis was carried out using BPMN to evaluate the current system and map its business functional areas. The proposed business development was then designed using a revised BPMN along with a proposed functional area model. The system design utilized UML diagrams, including use case diagrams to illustrate interactions between operators and the system, class diagrams to show relationships between classes, sequence diagrams to represent object interactions in a use case, and entity-relationship diagrams to define entities as objects or concepts, attributes as characteristics, and relationships as links between entities. The system was built using Laravel 12 as the framework, PHP for back-end development, and MySQL as the database. It has been tested using the black-box testing method and was declared successful. The final result of this development shows that the system effectively supports digital management of audit working papers in a more organized manner, enhances storage security, and facilitates document retrieval for reporting and data-driven decision-making.

Keywords: *audit working papers, archive, web-based application, audit.*