

ABSTRACT

This research aims to develop an asset lending website at PT Datacomm Diangraha, an information technology company that provides various assets such as projectors and laptops to support internal business activities. The lending process that has been done manually often causes problems in recording, checking availability, and monitoring assets. To overcome these problems, a web-based information system was developed using the Waterfall method, which includes the stages of needs analysis, design, implementation, and testing.

The system design uses the Unified Modeling Language (UML) to model the flow of the system, while the implementation is done with the efficient and flexible Laravel framework. The system offers key features such as digital lending, automatic recording, and real-time checking of asset availability. Testing is done using the Black Box Testing method to ensure the system functions as needed and produces accurate output. The results show that this system is able to overcome the obstacles of manual recording, facilitate checking asset availability, and increase management transparency. The General Affair Division can manage assets more efficiently, while employees can access and borrow assets easily. This research contributes to the digital transformation of PT Datacomm Diangraha, thus improving the company's overall operational efficiency.

Keywords: *Asset Lending, Website, Waterfall Method, Laravel Framework, Asset Management, PT Datacomm Diangraha*