

ABSTRACT

Balai Besar Tekstil Bandung was established in 1922, Balai Besar Tekstil Bandung is a company engaged in textile services. Hall building is one of the company's fixed assets, hall building repairs are carried out when the hall building is damaged. In the calculation of the value of the asset benefit is not done, the calculation is done after completion of the repair. As a result, the fixed assets that were damaged when hired must be postponed due to the estimated age of the fixed assets in the fixed asset estate. Not only does the building of Balai Besar Tekstil Bandung have other fixed assets, namely vehicles and machinery. For large textile hall vehicles have a total of 15 vehicles with details of 11 cars and 4 motorbikes. Based on the problems that have been explained, a web application is built that can manage assets in the company and produce reports on fixed assets. This application is made using the System Development Life Cycle waterfall method, using PHP Codeigniter and MySQL programming languages in database storage. In making this application BPMN or Business Process Modeling and Notation, Use Case Diagrams, and Activity Diagrams are made in the analysis phase. While in the design stage using Class Diagrams and Sequence Diagrams. Entity Relationship Diagrams are also used in database design. This research was tested and implemented using Black Box Testing so that the applications made can run as expected. Thus, this application can make it easier for companies to manage assets and generate reports on fixed assets.

Keywords : Fixed Assets, Management, Depreciation, Web Based Applications.