ABSTRACT

CV KOJO GROUP INDONESIA or more commonly known as KOJO CLOTH is a manufactory which deals in the convection business. KOJO is located at Komplek Permata Biru, JL. Permata III Blok K 72, Cinunuk Village, Cileunyi District, Bandung Regency. In order to carry out the company's operational activities, KOJO uses several fixed assets to manage and generate income for the company. All the assets of this manufacturing company were purchased in cash without any procedure or involvement of special people in buying them and are still purchased in conventional ways. The company also records all management of fixed assets manually using the help of Microsoft Excel and Google Sheets. It is prone to errors and inaccuracies. If there is an error in recording or calculating, the company will experience a loss which will have an impact on the performance of a company. Managing fixed assets manually also takes a lot of time and effort. With these problems, a web-based application was created, that can manage fixed assets starting from recording, repairing and maintaining fixed assets as well as calculating the depreciation of fixed assets using the straight-line method. The design process is describingin Usecase Diagrams, Activity Diagrams, Class Diagrams, Sequence Diagrams, and Entity Relationship Diagrams. This web-based application was built using a Programming Language, Hypertext Preprocessor (PHP), with the Codeigniter framework and using the MYSQL database. The method used in working on this final project is the the Software Development Life Cycle (SDLC) method using the waterfall method as a development model in building this application. Testig for functionality using manual testing, application testing, and Black Box Testing method.

Keywords: Application, Fixed Asset, Straight – line method of Depreciation