ABSTRACT

This final project aims to develop an Android-based E-Inventory application to facilitate monitoring and maintenance of assets at PT. Indonesian Power. The background is the company's need to increase asset management efficiency through the use of technology. In this project, Software Development Methodology (MDLC) is used as a basis for achieving these goals. The initial stage involves analyzing user needs and in-depth understanding of the current asset management system. Next, the application design is built based on the results of the analysis, with a focus on an intuitive user interface and functionality that meets the company's needs. Application development is carried out using Android Studio, utilizing the latest technology to ensure optimal performance and security. Testing and evaluation are carried out continuously during the development process to ensure the suitability of the application to user needs and expectations. By implementing the E-Inventaris application, it is hoped that PT. Indonesia Power can optimize asset monitoring and maintenance, increase operational efficiency, and reduce the risk of loss due to negligence in asset management. As a result of this project, it is hoped that companies can make more appropriate and responsive decisions to asset conditions, leading to improved performance and operational sustainability of the company.

Keywords: E-Inventory, Android Studio, Asset Management.