

ABSTRACT

Background. *Manual inventory management systems often lead to various issues such as inaccurate records, delayed reporting, and difficulty in tracking assets. These problems affect staff efficiency and accountability in managing goods at UPT PPD Kapuas Regency.*

Urgency. *This research is important because the inventory in the UPT PPD Kapuas Regency is still done manually, and is prone to errors, especially in the management of consumables, fixed goods, and SKPD reporting. Therefore, this research aims to design a website-based inventory system so that data is more accurate, damage reporting and repair status are more organized, daily SKPD reports are faster, and developed using the Waterfall method.*

Solution. *The proposed solution is a web-based information system named SIMBARANG (Sistem Informasi Manajemen Barang), developed using the Laravel framework. This system includes core features such as the management of consumable and fixed goods, damage reporting, SKPD data and daily usage reports, as well as monthly procurement summaries.*

Results and Contribution. *SIMBARANG system has been successfully used to manage inventory data at UPT PPD Kapuas Regency. Users can record consumable and fixed items, report damage, and recap SKPD procurement more systematically. This system improves work efficiency, speeds up reporting, and strengthens asset management accountability. Blackbox Testing results show all features work as expected, so the system is stable, ready to use, and replaces the manual recording that was often inaccurate and slow.*

Keywords: *information system, inventory management, laravel, web-based, waterfall method*