DESIGN AND CONSTRUCTION OF WEB-BASED INVENTORY MANAGEMENT SYSTEM (Case study: UD. ANEKA PLASTIK)

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ABSTRACT

UD Aneka Plastik is a business engaged in the sale of plastic products, such as plastic packaging, household plastic, and plastic bags. Challenges arise due to constraints in inventory management, such as inaccurate stock recording and low operational smoothness. The proposed solution is to design an inventory management information system that is able to manage complete stock data and support the process of managing incoming and outgoing goods. The system design was carried out using a Data Flow Diagram (DFD) with the Waterfall development method. The system built is able to handle stock management, record incoming and outgoing goods, and provide information related to the availability of goods accurately. In conclusion, this system can improve operational smoothness and facilitate decision making related to procurement of goods. The system is also equipped with features for managing stock data, recording transaction data, and inventory reports. Black Box testing shows that the system functions very well with a 100% success rate from the test scenarios carried out.

***Keywords**: Inventory, Information system, Goods management, Data Flow Diagram, Web.*