DESIGN AND DEVELOPMENT OF A WEB-BASED INVENTORY SYSTEM
(Case Study: CV. Dwi Manunggal)

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ABSTRACT

Currently, the use of information technology in the business field has become increasingly crucial. The necessity for information systems in business can enhance the effectiveness and efficiency of business processes while reducing human errors in data entry. Therefore, the objective of this research report is to design and develop an inventory system that facilitates the input of incoming goods, outgoing goods, and allows for online stock checks at CV. Dwi Manunggal. This research methodology commenced with observations and interviews regarding the inventory management processes in the company. The study also includes the analysis and design of the system using Data Flow Diagrams (DFD) and testing the developed system. It can be concluded that the developed system meets the needs of the manufacturing company and operates effectively, supported by features for checking incoming raw materials, monitoring outgoing goods data, and facilitating product sales to the company owner.

Keywords: Information System, Human Error, Inventory, DFD Diagram, System Testing.