

ABSTRACT

UD Dwi Mulya Plastik is an upper-middle class MSME that produces various kinds of household furniture made from plastic. During the last year year 2023, namely in the implementation of the existing business process there is a discrepancies between inventory in actual conditions and company records. company records. This is because UD Dwi Mulya Plastik does not yet have a system that helps in the process of data collection of incoming materials, incoming system that helps in the process of recording incoming material, outgoing material, and to monitor material inventory stock. The recording process that The recording process is still done manually, namely with a notebook. Therefore, in the recording process errors often occur so that the amount recorded does not match the actual amount of material in the warehouse. The amount recorded does not match the actual amount of material in the warehouse. In addition, the absence of a system that can help the process of monitoring inventory movements is also another cause of data mismatches. The movement of inventory is also another cause of the mismatch of inventory data. With this, the authors conducted research to help solve the problem, namely by designing a proposed improvement business process by designing a website-based information system that information system that can be used as a tool in the process of recording incoming materials, material out, and also monitoring material stock.

The process of designing the proposed business process is by using the Business Process Improvement method and designing information systems using the Waterfall method. Improvement method and designing information systems using the Waterfall method. With the results of the proposed business process design and information system, can help companies in managing inventory that is more structured and can reduce errors in information or data. By implementing the proposed business process, the company can eliminate activities that are not activities that are not needed in existing business processes and can make changes to activities that are considered inefficient, namely material inventory management.

Keywords - Inventory Management, Information System, Website, Waterfall, BPI, UD Dwi Mulya Plastik