ABSTRACT

INFORMATION SYSTEMS
PRODUCTION PLANNING AND INVENTORY CONTROL (PPIC)
WEB-BASED AT PENTA SUKSES MANDIRI

by

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Penta Sukses Mandiri is a company engaged in the production and distribution of goods in the form of clothing or commonly referred to as well as distribution. Data processing in the successful independent now still penta is slow, in controlling inventory data are still manual, so make scheduling activities productions having constraints within the solution and the lack of information obtained by each Division are interconnected, paying attention to those problems required information systems production planning and inventory control which aims to ease the operational activities, anticipating the availability of raw materials and control production planning.

Based on the needs of the development of the system above, used a software development method is a structured method Waterfall consisting of data collection phase and stage of manufacture of the software. On designing data using an ERD (Entity Relationship Diagrams), process design using DFD (Data Flow Diagram) with the PHP programming language and uses the MySQL Database then conducted testing using blackbox.

This information system can manipulate the production planning process undertaken by way of purchase of raw materials to the supplier on the basis of product and process data processing. Purchase of Bahanbaku can also be customized to order products that are made by the customer. The amount of raw materials purchased is calculated from raw materials contained on product specifications multiplied by the number of products ordered by the customer. So it does not happen the buildup of materials and inventory items can be controlled.

Based on the analysis and testing that has been done then it can be concluded that the information system built helped in production planning and controlling inventory data so that operational activities at Penta Sukses Mandiri becomes more smoothly.

Keywords : distributions, operational activities , information system , production , inventory .