Implementation and Testing of Raw Material Inventory Information System
(Case Study: CV. Sanjaya 57, Bantul)

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ABSTRACT

Recording of raw material inventory using paper as data documentation causes documentation to accumulate and sometimes causes errors in determining raw material inventory after the incoming raw material and outgoing raw material process occurs. This study aims to implement a raw material inventory information system that helps in managing raw material inventory at Seven Inc warehouses. The research method used is to analyze through the interview and observation stages, then design a structured process model, data model design, physical database design, design relationships between tables, and interface designs, and carry out implementation on databases and systems and testing system. The test results obtained are in the form of an information system that provides reports of incoming raw materials and reports of outgoing raw materials that are executed using interactive queries. From the results of the design of the raw material inventory information system, conclusions can be drawn to design a raw material inventory information system starting by describing the DFD which consists of 9 processes, describing the ERD which consists of 26 entities, designing the physical database, creating relationships between tables, and designing the system interface. The result of the research is an accurate and good system in providing reports of incoming and outgoing raw materials.

Keywords: *Information System, Raw Material Inventory, Database.*