

ABSTRACT

Rumah Batik Komar is one of central batik industry in West Java. In business process Rumah Batik Komar has applied two systems, which are make-to-stock and make-to-order. Rapidly changing customer demand and responsibility to have inventory stock in store, has made Rumah Batik Komar need fast and accurate transmission data's processing system for each department, especially in the production division. Common several problems are confronted for instance lack of effective production plan, unrecorded raw materials needed, invalid customer orders and unsuitable demand, loss of production process data records and the additional raw material is used for repair of defect products' disrecorded because of lack of technology and information computerized. As a consequence, design system of Enterprise Resource Planning (ERP) as a solution which capable production process integrated with other business processes.

In additional software which used in this planning system are conducted Odoo. Odoo is ERP software with open source characteristics, customization follows tentative needs, and also has several modules which capable in around the business process. Modules in Odoo is Manufacturing module will support in production controlling process in Rumah Batik Komar. In implemented, methods are important as particular composer foundation step and procedures or track way ERP implementation. The method used is the Rapid Application Development (RAD).

Result of this research, with Enterprise Resource Planning System (ERP) Odoo module manufacturing the production level by customer demand and also supplier in Rumah Batik Komar store are grow up and positive trend shiftment. Because the problems associated with production resource management and is there defect production report capable to control as well. As the final result production processing order or inventory stock in store was documented and archived as well, and production process on the fluent.

Keywords: Enterprise Resource Planning (ERP), Odoo, Manufacturing, Batik, Rapid Application Development (RAD)