

ABSTRACT

The development of information technology today has a major impact on the competitiveness of companies in running modern businesses. Rapid changes in technology require companies to be able to innovate and adopt the latest technology to compete and meet dynamic market demands. In facing these challenges, the ERP (Enterprise Resource Planning) system can be a solution for implementing modern business relevant to the company. PT Wisaka Jaya is an experienced business entity that has handled several national projects. In the production process, PT Wisaka Jaya has several challenges: production plans, raw material stock information, monitoring production results, and recording production cost have not been integrated into one centralized system. Without proper integration, coordination between departments can be complicated and prone to errors. Based on the problem description, this research aims to implement an Odoo-based ERP system using the RAD (Rapid Application Development) method. This method was chosen because it has advantages in rapid system development and is responsive to company needs. The purpose of implementing Odoo is to improve the efficiency and effectiveness of the production process and coordination between departments in the company. This research results in the implementation of a web-based Odoo application that integrates the entire production system for better operational management, namely with scheduled and accurate planning, precise raw material management, real-time production monitoring, and structured production cost reporting.

Keywords – Enterprise Resource Planning (ERP), Integration, Production, Odoo, Rapid Application Development (RAD).