

ABSTRACT

DESIGN OF GREEN PROCUREMENT SYSTEM USING ASAP METHOD IN THE ODOO APPLICATION FOR RUBBER PROCESSING INDUSTRY (CASE STUDY CV. INTI KARET)

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CV. Inti Karet runs the rubber processing industry, that is one of the manufacturing industries that pays attention to every activity on its production process and its impact on the environment because of production process during rubber processing. To pay attention to the company's business process activities, the application is needed that can help to monitor business process in the company.

This research will focus on the design of Enterprises Resource Planning-based application that run the green procurement system therein. Green procurement provides solutions to the selection of materials and services that can minimize the impact on the environment and provide benefits for the company. The implementation of green procurement is developed based on Enterprise Resource Planning (ERP) using the Accelerated SAP (ASAP) method, which has four stages during its implementation in this research using the Odoo open source application. In the Odoo system it can produce a Key Performance Indicator (KPI) report for green materials and green suppliers to help companies monitor the material and supplier selection process in the green procurement. However, the process of measuring the percentage of green material and green supplier are outside the scope of the discussion in this study, because this study only design application based on Enterprise Resource Planning (ERP) that implement a green procurement system. In designing this application, it is tailored to the user requirements for green procurement, as an illustration to making of application to meet the needs of users.

The purpose of this study is for application's information system to monitor business process activities carried out during the procurement process in the rubber processing industry using the Key Performance Indicator (KPI) report, to assist in the management of procurement business processes using Enterprise Resource Planning (ERP) systems.

Keywords : Accelerated SAP (ASAP), Enterprise Resource Planning (ERP), Green Procurement, Odoo