ABSTRACT

DESIGN OF GREEN ERP SYSTEM REVERSE LOGISTIC MODULE BASED ON ODOO IN THE LEATHER TANNING INDUSTRY USING SAP ACTIVATE METHODOLOGY (CASE STUDY:PT.ELCO)

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The increasing growth of leather industry in Indonesia since 2018 makes this industry increasingly seen by the market. Along with the increasing development of leather industry, waste that generated will naturally increase. PT. ELCO as a company engaged in leather tanning industry (sheep and goat skin) experienced an increase of waste, from production process or from returned products.

Currently PT. ELCO is still input returned products data manually. With this issue, causes several problems for example data for reject products cannot be viewed real-time and there is still no system integration to manage business process in the company. Therefore, management for reject products needs to be done through system in order to data can be accessed in real-time and monitoring process of repairing reject product, types of products and routing from production can be done optimally.

The system is based on Green Enterprise Resource Planning with Odoo by applying reverse logistics concept which aims to manage waste from returned product from customer. Design of the system uses SAP Activate methodology. Result of this study are existence of an Open Source Odoo ERP-based system design for the management process of reject products at PT. ELCO.

Keywords: Reverse logistics, SAP Activate, Enterprise Resource Planning, Odoo, Open Source