

ABSTRACT

MSMEs are one of the sectors that contribute the most to improving the country's economy. Therefore, the state pays special attention to developing MSMEs in Indonesia. MSMEs in Indonesia can get one of the MSME in Indonesia, namely PT. Elco Indonesia Sejahtera located in Garut. PT. Elco Indonesia Sejahtera is a company engaged in the leather tanning industry. The high number of products that must be consumed raises several challenges in the production process: monitoring product quality at PT. Elco Indonesia Sejahtera's quality monitoring process can be considered conventional, resulting in decreased product quality.

Lack of product quality can decrease customer satisfaction and the number of products returned because the lack of follow-up on returned products will result in an increase in waste, damaging the environment. To overcome these problems, the solution that can be provided is to develop a dashboard system that can monitor and analyze data from products produced and products returned so that the company can determine what actions need to be taken to deal with these returned products, as for implementing the reverse logistics process, namely a process that aims to maintain the value of a product so that it remains valuable where this process aims to prevent the accumulation of waste in the company. The circular economy concept also needs to be considered, where this concept is a framework that seeks to optimize the use of company resources to minimize the waste produced.

This study aims to develop an integrated ERP system using the open-source software Odoo developed using the QuickStart method. QuickStart is an application development method suitable for implementation in MSMEs, which has three stages: kick-off calls, configuration, and analysis. The developed system will be able to integrate existing business processes at PT. Elco Indonesia Sejahtera, efficiently coupled with the developed dashboard system, can assist in monitoring company data related to the reverse logistics process. This dashboard system can assist company decision-making and support the reverse logistics process with the circular economy concept, which aims to reduce waste generated and maintain product sustainability.

**Keywords— Enterprise Resource Planning (ERP), Circular Economy,
Reverse Logistics, Dashboard, QuickStart, Odoo**