

ABSTRACT

DEVELOPMENT OF ERP SYSTEM AND DASHBOARD SUSTAINABLE SCM ON WAREHOUSE MODULE IN THE LEATHER TANNING INDUSTRY USING QUICKSTART METHODOLOGY (CASE STUDY: CV SURYA WAHANA LEATHER)

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The leather tanning industry contributes to boosting the national economy. One of the leather tanning industries in Indonesia is CV Surya Wahana Leather which is located in Garut City. CV Surya Wahana Leather processes raw skins from animals such as cows, goats, and sheep to be used as leather. The processing process uses chemicals and large water resources that have the potential to pollute the environment. To prevent harmful environmental pollution, the leather tanning industry must implement sustainable supply chain management (SSCM). One part that plays a role in supply chain management activities is the warehouse. The warehouse at CV Surya Wahana Leather manages all activities in and out of goods and storage of goods, from raw materials to production waste. Activities in the warehouse section are also closely related to business processes in other parts of CV Surya Wahana Leather. In previous research, an ERP system has been developed for the warehouse section which is integrated with the procurement, production, and sales and distribution sections. So that in this study, additional integration will be carried out, namely with the waste management, reverse logistics, and accounting sections. This study aims to develop an ERP system and dashboard in the warehouse to support the implementation of SSCM at CV Surya Wahana Leather. The ERP system used in this research is Odoo. Odoo is used to manage warehouse business transactions in an integrated and real-time manner.

The data on Odoo will be used as information that can be displayed on the dashboard. The dashboard will be built using business intelligence (BI) tools, namely Power BI. This dashboard serves to monitor the warehouse in the implementation of SSCM at CV Surya Wahana Leather Sejahtera. The method used in the development of the ERP system and dashboard is the quickstart method. The result of this research is the Odoo system which is integrated in running the business processes of the warehouse section of CV Surya Wahana Leather with the application of sustainable indicators on products, packaging, waste, and electricity usage in the warehouse. These indicators can be monitored through dashboard so that CV Surya Wahana Leather can measure the company's performance in implementing SSCM as a whole.

Keywords— ERP, dashboard, SSCM, Odoo, Quickstart