ABSTRACT

The leather, leather goods, and footwear industry have a good opportunity to boost the Indonesian economy through exports. In the first quarter of 2020, Indonesia experienced a low economic growth of 2.97%. However, this low economic growth can be helped by an increase in exports. At that time, the leather, leather goods and footwear industry experienced an increase in export value of 14.91% and in August 2020 it entered the top ten highest export values, namely US$ 350.34 million.

On the other hand, the leather tanning industry as the main industry of the leather industry widely produces quality waste in large quantities and includes hazardous and hazardous materials (B3). If not handled properly, the waste can have a negative impact on the environment and adverse impacts on society. Therefore, the tanning industry must pay more attention to environmental aspects and realize a green industry in accordance with Law Number 3 of 2014 Article 3. One of the supports that can be provided is developing an ERP system and dashboard production module that implements sustainable supply chain management or SSCM.

ERP system functions to manage production process transaction data and integrate the production process with other processes. ERP systems can make business processes run more efficiently. Furthermore, the data is visualized on a dashboard that can make it easier to monitor the production process, especially related to environmental aspects such as the use of electrical energy, the use of hazardous chemicals, and the resulting waste, so as to realize the leather tanning industry as a green industry.

This research develops from a previously created system, namely an ERP-based green production system. This research also uses the manufacturing module of Odoo application for ERP system development, but with the addition of a Power BI application for dashboard development. For the steps carried out, this research uses the Quickstart methodology. The stages begin with initial research planning, then analysis of company needs and solutions that can be provided, blueprint

design, system configuration and customization, and system testing. In this study, no direct implementation was carried out in the company.

Keywords— ERP, dashboard, production, SSCM, Quickstart