ABSTRACT

The leather tanning industry is currently one of the MSMEs that has experienced an increase in production and sales, so it has a major contribution to economic growth in Indonesia. PT. Elco Indonesia Sejahtera Indonesia is one of the largest MSMEs in Garut, West Java, which is engaged in the processing of raw hides into the leather that is ready to be processed for further processing into salable goods. In addition to producing salable products, the leather tanning industry also has the potential to generate solid and liquid waste containing chemicals that can pollute the environment.

PT. Elco Indonesia Sejahtera Indonesia does not yet have an integrated information system that supports business processes in controlling existing waste treatment processes. In addition, the leather tanning waste treatment process at PT. Elco Indonesia Sejahtera is also experiencing difficulties in monitoring the waste treatment activities that have been carried out by the circular economy concept.

In this research, the development of an ERP system that is integrated with the circular economy concept will be carried out using the Odoo application with the Quickstart method. The result of this research is an ERP system that can production waste from manufacturing and helps determine the amount of waste that has been generated. Apart from that, this research will also develop a monitoring dashboard that presents data from the waste treatment business processes that have been implemented at PT. Elco Indonesia Sejahtera.

*Keywords: **ERP, Circular economy, Waste management, Odoo, Dashboad monitoring, Quickstart***