

ABSTRACT

The hospital is a public service place used to treat many people. Therefore, many medical practices in hospitals will be carried out using medical tools and materials, which will later become waste. Hasan Sadikin Hospital is a health facility that performs many medical practices in performing actions for patients. The process of medical action will produce waste in the form of liquid medical waste. This can trigger environmental damage if liquid medical waste management is not carried out correctly. In addition, no system integrates waste management between one hospital unit and another so that the data generated is not centralized. Applying an openERP-based waste management system is one solution for a more controlled waste management process. Therefore, this study will develop a liquid medical waste management system in manufacturing and inventory modules to create an environmentally friendly hospital. This study uses the quickstart method, which starts from the kick-off call process, which is to identify the company's business processes, then analyze the analysis and GAP of existing business processes and targeting the company and the last configuration is to configure and test the ERP system following the company's business process needs that have been analyzed. The result of this research is an openERP, Odoo-based liquid waste management system adapted to the company's business processes and is expected to facilitate companies in carrying out business processes, especially in the waste management section at Hasan Sadikin Hospital. This research can integrate the management of liquid, solid, domestic, and radiological medical waste. This waste management module produces reports about how much waste is processed, how much waste is generated, and report about the waste management process itself.

Keywords—ERP, Odoo, Quickstart, Pengolahan Limbah