

ABSTRACT

Central General Hospital Dr. Hasan Sadikin is a hospital located in Bandung, precisely on Jalan Pasteur No. 38 Bandung 40161. Hospitals can be health facilities where sick and healthy people gather, or they can be a place for disease transmission and cause environmental pollution and health problems. The waste generated by the hospital is broadly divided into 2, namely, medical waste and non-medical (domestic) waste. The waste must be managed so as not to cause a negative impact, but in fact, there are still some problems in the management of general (domestic) waste at RSHS, such as; the management of data and information that is still being carried out is recorded on paper so that it has not been integrated between divisions in the hospital as well as recording and monitoring of waste management which is still carried out separately so that it can cause data errors. It is necessary to design an integrated general (domestic) waste management system based on these problems. Enterprise Resource Planning (ERP) is an integrated system commonly implemented in hospitals, such as procurement, warehouse, and accounting processes. This research will focus on designing and developing a general (domestic) waste management module using the Odoo ERP system using the QuickStart method, which will integrate it with other modules, such as purchases to monitor the waste generated by each waste-generating division, inventory to facilitate RSHS Bandung in classifying waste from processing at TPS, sales to distribute waste to third parties. Not only that, but this system can also help determine the amount of waste produced by each waste-producing producer, and there is a domestic waste indicator feature that can monitor the general (domestic) waste treatment process through its success indicators. The system designed and developed can also produce transaction documents from the general (domestic) waste treatment process in pdf form. It can produce reporting in excel form and a monitoring system in the form of charts/graphs.

Keyword—OpenSource ERP, Domestic waste management, QuickStart, Odoo