WEBSITE BASED WASTE BANK INFORMATION SYSTEM DESIGN USING SIMPLE ADDITIVE WEIGHTING (SAW) METHOD (Case Study: Sumber Rejeki Waste Bank)

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ABSTRACT

Sumber Rejeki Waste Bank is a dry waste management organization whose processing system is like banking. Customers can carry out waste exchange transactions from which the exchange proceeds can be in the form of money. However, data processing is still carried out conventionally using books in managing data and archiving documents that are not neat and the writing is unclear. So this makes it vulnerable to data loss and lack of effectiveness in supporting daily activities. Based on the description of the problem, this research aims to build and implement a modern web-based waste bank information system that is capable of data processing. With a decision support system method using Simple Additive Weighting (SAW) which is intended to determine customer ranking. This waste bank information system uses Unified Modeling Language (UML) as the basis for the system development model. The implementation of this system uses the PHP and MySQL programming languages as database processing. The system resulting from this research is a web-based system that can simplify and speed up the process of recording and managing waste bank data.

***Keywords**: Information System, Waste Bank, Simple Additive Weighting, PHP, MySQL*