

**ANDROID-BASED ONLINE WASTE BANK
TRANSACTION APPLICATION SYSTEM
(Case Study: Lintas Winongo Yogyakarta Waste Bank)**

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ABSTRACT

Lintas Winongo Waste Bank in Kampung Badran, Jetis, Yogyakarta, has been serving as a community facilitator in addressing waste issues in Kampung Badran since 2009. Despite having numerous customers, the waste bank management is still conducted manually. The sustainability of using a manual system also poses the potential for data damage and the risk of errors in the data input stage, negatively impacting the overall efficiency and accuracy of waste management. Therefore, an application system for the waste bank is needed to facilitate transactions for both customers and waste bank operators in waste management. This research method uses the waterfall method and focuses on the needs of the Lintas Winongo Waste Bank. Meanwhile, system testing was carried out using the black box testing method. The results of this research are able to provide convenience for customers and waste bank managers in every transaction process. This research can simplify the waste savings process carried out by customers.

Keywords : Garbage bank, Android, Google Maps API