ABSTRACT

Anggi Prihandayani (12171729), Design of a Web-Based Management Information System for Waste banks in the Ruang Nafas Waste Bank

Garbage is a remnant of human activity that is no longer used. Garbage is generally categorized into two types, namely organic and non-organic. Organic garbage can still be used as fertilizer to fertilize plants. Problems arise regarding non-organic garbage, because the volume continues to grow every year. Various methods are used to reduce the use of non-organic garbage, especially plastic, one of which is the "plastic bag diet". This movement was launched to minimize the use of disposable plastic bags and replaced with bags that can be used repeatedly. Plastic garbage indeed dominates from the garbage that is thrown away every day. Based on this concern, an idea emerged to establish a "waste bank". Waste bank is an idea that is realized in real action to participate in household garbage management. Ruang Nafas, one of Waste Bank which was established in 2019, the waste bank was established in an effort to participate in protecting the surrounding environment. The scope of this waste bank is still limited to the surrounding environment, because there is no information system that can be accessed to disseminate information about this waste bank, besides, recording transactions are still carried out in logbook records, so data management is still difficult. For this reason, this information system was created as a solution that can help deal with the daily transactions of the waste bank as well as the waste bank information media, where the manager of the waste bank can manage the data of members, garbage, information, sales, purchases and mutations in member balances.

Keywords: Information System, Waste Bank, Ruang Nafas