ABSTRAK

Bank Sampah di Dinas Lingkungan Hidup Di Kota Tangerang merupakan kelompok lingkungan hidup yang bergerak dalam bidang kesehatan lingkungan. Kegiatan ini dilakukan oleh masyarakat, dan nasabahnya. Bank Sampah Dinas Lingkungan Hidup dilakukan setiap hari di kantor Dinas Lingkungan Hidup untuk dilakukan penimbangan sampah yang sudah dipilah berdasarkan sampah non-organik, dengan jenis seperti: plastik, kertas, kaca, kayu dan logam. Bank Sampah di Dinas Lingkungan Hidup melakukan pencatatan pada buku tabungan. Pengambilan tabungan warga dapat dilakukan secara langsung,. Dalam pengolahan data bank sampah masih ditulis se-cara manual dengan melakukan pengarsipan dokumen yang tidak rapi dan penulisan yang kurang jelas,hal tersebut menimbulkan sering terselip dan hilangnya data pencatatan tabungan warga. Dengan hilangnya data pencatatan tabungan warga pihak bank sampah mendapatkan keluhan dari warga yang aktif dan terdaftar pada bank sampah selain itu untuk pencarian data tersebut dibutuhkan waktu yang lama, hal itu dirasakan kurang efektif dan tidak efisien.Tujuan dari penyusunan Proposal ini adalah untuk Merancang sistem aplikasi pengolahan data bank sampah berbasis web yang dapat Kelola Data Kategori Sampah, Kelola Data Sampah, Kelola Data Reward, Kelola Data Nasabah, Kelola Data Transaksi, Kelola Data Poin, Kelola Data Tukar Poin dan dapat memberikan informasi untuk petugas maupun warga sebagai nasabah bank sampah. Perancangan sistem aplikasi Bank Sampah menggunakan metode serta tools PIECES (Performance, Economy, Control, Efficiency, dan Service), UML (Unified Modelling Language)., (RAD) atau (*Rapid Application Development*).

Kata Kunci : Bank Sampah, Rancang Bangun Sistem, (RAD) atau (*Rapid Application Development*), UML (Unified Modelling Language), Laravel, Laragon.

ABSTRACT

The Waste Bank at the Environmental Service in Tangerang City is an environmental group that operates in the field of environmental health. This activity is carried out by the community and its customers. The Environmental Service Waste Bank is carried out every day at the Environmental Service office to weigh waste which has been sorted based on non-organic waste, with types such as: plastic, paper, glass, wood and metal. The Waste Bank at the Environmental Service records the savings book. Residents' savings can be withdrawn directly. In processing waste bank data, it is still written manually by filing documents that are not neat and writing that is not clear, this causes frequent slippage and loss of data recording residents' savings. With the loss of data on recording residents' savings, the waste bank received complaints from residents who were active and registered with the waste bank. Apart from that, it took a long time to search for this data, which was felt to be less effective and inefficient. The aim of preparing this proposal is to design an application system. web-based waste bank data processing that can Manage Waste Category Data, Manage Waste Data, Manage Reward Data, Manage Customer Data, Manage Transaction Data, Manage Point Data, Manage Point Exchange Data and can provide information for officers and residents as waste bank customers. The design of the Waste Bank application system uses the PIECES (Performance, Economy, Control, Efficiency and Service), UML (Unified Modeling Language), (RAD) or (Rapid Application Development) methods and tools.

Keywords: Waste Bank, System Design, (RAD) or (Rapid Application Development), UML (Unified Modeling Language), Laravel, Laragon.