

ABSTRACT

Waste is discharge from the result of the activity that is the final process in industry, offices, college, and more. Waste will not be lost if the activity of living things still happen. Most companies doesn't know what to do about the waste they produce everyday. Basically, the waste can be recycled for reuse. Even the waste will become into the highest value. Yayasan Sahabat Kertas is the one of the collection of waste in large quantities. The foundation donation program informs the waste through the website. Beside the information offered through the website, the donor, in finding donors waste process through volunteer. So they need doing volunteer recruitment process to help the foundation to finding donors waste. However, the website has not been able to simplify the donor in making a donation of waste. When they wants to donate must re-enter their registration data. This makes the process inefficient waste donation registration. The reporting process is not integrated with each other. In this final project is expected to help these shortcomings.

This research is important for the developed considering Yayasan Sahabat Kertas focuses on one waste collection. For the sake of reduce the production of dry waste that daily grows. Therefore, with the development of the waste collection system can help the foundation's performance in handling the donation process waste.

The research methodology used in this final project that adjustments to the method of iterative incremental. Due to environmental conditions that do not allow the developer to the final stage of the method. The advantage of this method is the development time to adjust to the environment. This method involves the user in the process of identifying the needs of the system. In the development of websites using CodeIgniter framework based on PHP programming.

The test result of this research got 74% of users being helped by the waste collection system. Users assume the system is enough to help in the process of collecting donations waste.

After testing the system, it can be concluded that by applying the method of iterative incremental and design with UML standard allows developers in completing this study sequentially.

Keyword : waste, volunteer, iterative incremental, codeIgniter.