

## **ABSTRACT**

Trash is the rest of daily activities human and / or natural processes in the solid form. More and more people are circulating in the region will affect the level of consumption, it would be comparable to the effect of the amount of garbage. With so many outstanding trash, garbage is now causing various problems that occur in the environment. Therefore, the government gave rise to a program called the 3R to handle the waste problem which is not handled. A society program called waste are believed to play an important role in applying one of the aspects of the 3R namely recycle.

This study is an attempt to provide a solution that is expected to assist in the management activities of the bank system becomes more garbage properly controlled. The study begins with communication to the bank officer to know the state of the waste bank, and then analyze the problem and create a solution in the form of software requirements. After that, analysis is transformed into the system design, and then do software development and testing whether the software is in accordance with the needs that have been made previously.

The end result of this research is a waste bank software with waterfall methodology, created with php language assisted by CodeIgniter framework.

**Keywords :** waste bank, waterfall methodology, codeigniter framework, php, 3R (reduce, reuse, recycle), software development