

## **Abstract**

Optimal waste management is a big challenge that now faced by almost all major cities in Indonesia, especially in Bandung. Nowadays we often find containers of garbage in TPS is already full, but the PD Kebersihan not being transport them. The current Number of of TPS in Bandung are 169 TPS, while the number of waste carrier personnel was 209. Seen from the comparison TPS and officers, we can see that the amount does not become a problem. Here we can identify that the problem was a garbage piling up because of late moved. Whereas garbage piling up could ruin the beauty of the environment, disturb the comfort, and can also be detrimental to health.

From the garbage piling up problems because of late moved, we create a solution to make Trash Rescue system. Trash Rescue is a system that integrates the TPS garbage containers with an application that can give notice of the location where the waste container is full so that it can make the process of transporting the waste into more effective and appropriate. In addition to giving notice, this application can also perform monitoring of waste and garbage deployment statistical data which can be used to predict the need for the next time. With Trash Rescue system, the operating system of waste will be optimized and Trash Rescue is one of the efforts to support Indonesia Clean Program.

**Keywords:** Waste, Optimization, Transportation Trash