

## **Abstract**

Waste is an important issue to address. The problem of garbage is not only the government's affairs but also the awareness of the community about cleanliness. The government has provided many ways to awaken the community to dispose of garbage in its place such as counseling to the community, installing billboards in the form of an appeal not to litter, and so forth. However, the level of public awareness will throw garbage in place is still very low. Not only in public places, there are still many levels of public awareness to dump garbage in its place is still low. Therefore required a media in the form of technology that can provide a warning to the community and also the media to facilitate the cleaners in cleaning the environment.

To be able to build the technology is needed some way to achieve it, such as literature study, survey, sistem analysis and application design, Implementation, sistem testing, report generation.

From the ways that are done to build a waste processing sistem , generated an application to process waste in the office with the name Speechtrash . With the application Speechtrash into a medium that provides the level of public awareness to dispose of waste in place. Make it easier for garbage collectors and janitors to monitor waste management in an office and provide scheduling for officers in transporting the garbage that has been full.

**Keywords:** Trash, Internet Of Things, Office, Waste Processing