

## **Abstract**

With the high number of people who lived in Bandung, a public transportation like Bus, could be one of the traffic solutions we need. To use Damri Bus, most of the people sometimes didn't know the schedule of the Bus that force them to wait for around 15-30 minutes just to get the bus. By using the advanced technology, no more wasted time for waiting the bus. One of the technology we used for this case are using an Android based application, called "Tracking Bus". Tracking Bus is a mobile application to navigate the Buses in Bandung City, we can also know how much time we need to wait until the bus reach to where we are. This application uses hardware like Arduino Uno and Shield GPS & GSM SIM808 that have important role use the tracking feature.

**Keywords:** public transportation, Damri Bus, Technology, Tracking Bus, Mobile