

## ABSTRACT

Nowadays, the public transportation is very attached to people's lives especially in the Bandung city. Now the problem that rises is how can they easily find out which transportation route to use to get to the place they have never visited before. Here is the function of mobile tool that Helps they find out the public transportation route.

At this Final Project, Location Based Service (LBS) will be built in a mobile application Android-Based smartphone. Location Based Service (LBS) is a technology that has Helped many people in navigation, and find a location nearby. LBS can be accessed by mobile application via mobile network and utilizing the ability to exploit the geographical position of mobile devices. By using location data from GPS, can be used to determine the location of the user within a specified time. GPS will provide information on the position coordinates of a place, so that the user can know its position. This application also provides the option to show the map taken from Googlemaps service so the user will know which route that should be used.

The author hopes that with the creation of mobile applications for Android smartphones, can greatly assist the public in the Search location and transportation in the city of Bandung.

**Keywords :** City Transport, public transportation, New York, Global Positioning System, GPS, Android, Smartphone, Location Based Services, LBS, Googlemaps.