

## **ABSTRACT**

*The example of public transportation on java island is to use train transportation. Nowadays, many people use train as their primary transportation to go to another city. Because the distance, they need a lot of time to travel. Therefore not a few passenger who choose to departure in night time is sleep during travel. Passenger who have destination on last station don't consider that as a problem, but not for they who have destination before last stop. Moreover not all train will inform to passenger if the train will reach station. This is make passenger often cautious for know their exact location. But for passenger who travel at night time or don't remember their destination location will make another problem.*

*Therefore, it needs application that can give notification based on user location. In this final project, application will be built on android device because it has Global Positioning System (GPS) technology. GPS technology can be used to navigate and determine a specific location. This technology can be built application that can give a user coordinate location and destination station.*

*The result from this system and application, the user can know if the application can give alarm notification when user reach radius destination station with GPS feature. Map feature from application can also give the location which station the train will stop on each route.*

**Key Words** : Stations, Global Positioning System, GPS, android, notification, alarm.