

## **ABSTRACT**

Bandung is a metropolitan city located in the province of West Java. As a metropolitan city, Bandung has many problems. One of them is the traffic problems, such as congestion, road repairs, and many others. Road users did not receive enough information about which roads are passable or not. This is very disturbing for drivers both physically and materially because Bandung is a town that is quite busy as a metropolitan city. This is the idea of the author to makes the application of information and routing traffic in the city of Bandung. This application is made on the android operating system which is the operating system that is widely used around the world.

This application using Dijkstra algorithm to provide information about the shortest path to get to the destination based on real traffic conditions in Bandung. So that users can determine which roads are can passed by or not. Application users can search and provide traffic information because the user connected between one user with another user.

From the result of the testing that has been done, Dijkstra's algorithm can be implemented to calculate the shortest path on the Android operating system. Users also can find information of the traffic in the city of Bandung.

Keyword : Android, Dijsktra, Path Finder, Bandung,