

***IMPLEMENTATION OF THE DIJKSTRA ALGORITHM
IN DETERMINING THE SHORTEST ROUTE
DISTANCE OF THE BARBERSHOP LOCATION***

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ABSTRACT

The problem of finding the shortest route distance along with the shortest time savings. This becomes important in the dynamics of urban society. The number of routes taken is also a separate obstacle and problem to reach its destination. Determining the shortest route distance is an optimization problem. In this study, the researchers determined the shortest route to the barbershop location as the destination. Therefore, finding the location of the shortest route distance to the Barbershop location requires a dijkstra algorithm application system that can make it easier to find out the location and distance of the shortest route to the Barbershop. And the purpose of this research is to be able to help the community to find the shortest route distance that can be taken to the location of the Barbershop. The system for implementing this dijkstra algorithm uses a leaflet library to make it easier to make regional maps. And focuses on determining the distance of the shortest route to the Barbershop location.

Keyword: *Dijkstra, Barbershop, shortest distance*