

ABSTRACT

At this time human life is closely associated with the technology. Technology provides information that helps banya. One such information is information about the location. In traveling one often get difficulties in the travel. This is because a person does not have much information about the location.

*It takes a lot of technology that can provide information about the location of a person to assist and facilitate the travel. Therefore made an application that can provide such location information to determine the location and route taken. To be able to perform the route search, the application uses an algorithm A * search.*

The results of this application shows that the performance of the application to function properly. The application has a 100% accuracy rate in determining the position of a given user and navigation application has a 98% accuracy rate. And process in the application are weel, stable, and have a low error risk with the value of complexity cyclomatic in range 3-5.

Keyword: GPS, GIS, Algoritma A * Search, J2ME.