

## **ABSTRACT**

### **GEOGRAPHIC INFORMATION SYSTEM POSITION OF POLICE STATION IN PALEMBANG CITY BY USING GOOGLE MAP BY USING DIJSKTRA METHOD**

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*The traffic police in charge of organizing police duties include guarding, setting, escorts and patrols. With the traffic police, the local community will feel comfortable and safe. In the process, the police often encounter various problems such as traffic jam and traffic accidents. Many factors are responsible for the human factor that is less sensitive to the surrounding humans, causes of low quality of transportation and road damage factor. Therefore, the authors build Android-based geographic information system to locate police stations spread across the city of Palembang. The author uses waterfall method consisting of requirements definition and software system design, implementation and unit testing, integration and system testing and operation and maintenance. Tools used by the author are PHP, MySQL, Google Map. By searching for the path to the location of the nearest traffic police post in the city of Palembang using Dijkstra Method and android-based system. Unit testing by using white box technic, while the testing and evaluation of the software that is made by the black box.*

**Key words: Geographic information system, PHP, MySql, Google Map, Methods Djisktra, Black Box and White Box**