

## **ABSTRACT**

### **MAPPING GEOGRAPHIC INFORMATION SYSTEMS SECTOR IN THE CITY POLICE OFFICE PALEMBANG**

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*South Sumatra Province, which is a region which is and will continue to experience rapid development in various fields, especially in the field of security in this case is the Police Station. This makes a lot of people of Palembang difficulty in knowing the location of police stations spread across the city of Palembang. So, it is needed an information system that serves as a guide and to facilitate Palembang residents know the location and the information police station in the city of Palembang.*

*One way that will be applied by researchers in providing solutions for the citizens of Palembang is to implement "Geographic Information System Mapping Sector Police Station in Palembang using ArcGIS". In making this application, researchers used waterfall model of system development methodologies, as well as the programming language PHP and the database is MySQL*

*This application is expected to help citizens, especially citizens of Palembang in searching police stations and police stations profile information easily, accurately, and quickly.*

**Keywords:** *Applications, Geographic Information Systems, Police Station, UML, PHP, MySQL, Waterfall Methodology.*