

ABSTRACT

Rapid Technological progress in this time has effect on the development of smartphone mobile device. This development is very helpful in presenting information quickly and efficiently via mobile smartphone device. The Geographic information system of Public facilities in Purwokerto is a GIS-based application integrating mobile with GPS (Global Positioning System) on the mobile and internet access. This application is expected to assist users in finding the location of the nearest public facility of the user's position. The application filtering facility location based on each type. In developing this system the authors use the Java programming language, while the data base used is SQLite. This application can be accessed on mobile phones with the Android operating system at least 4.0 Applications can show public facilities that is gas stations, police stations, hospitals, Places of Worship, Stores, Shop, bank and ATM. With the existing features of this application, the user will get information about public facilities that are in the area and the place of these public facilities.

Keywords: Android, application, GIS, Waterfall, LBS