GEOPHAGIC INFORMATION SYSTEM BASED ON ANDROID 2.2 FOR ATM (AUTOMATIC TELLER MACHINE) AND MINI MARKET GENERAL FACILITIES (CASE STUDY: EASTERN SURABAYA)

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Abstract

Geographic Information System (GIS) based on Android 2.2 for ATM and mini market general facilities is GIS applications by integrating GPS (Global Positioning System) in mobile and internet access. Already there are several mobile-based on GIS application, but generally associated with universities and tourism locations. Mobile-based on GIS applications to locate market and ATM is required as part of the GIS not currently available, especially for the Surabaya area.

This final project aims to create a GIS application of public facilities such as ATM and market based on Android 2.2 which integrates GPS in mobile and internet access. This application is expected to help users to locate the nearest ATM and market with the user's position. Final Project discusses how to create a mobile-based on GIS applications by integrating GPS and maps on mobile Google Map. Application filtering ATM and mini market by type respectively. Nearby ATM and mini market displayed by the system radius.

Applications are made successfully run on Android Froyo smartphone, and the version that is on it. Applications are made
can be integrated with GPS smartphone as well. Application successfully present information and locate mini market and ATM nearby the user's position.

**Keywords:** GIS application, based on mobile, Android, ATM and mini market