

ABSTRACT

Bandung Digital Map Application is a kind of service which combines between Geographic Information System and mobile device. In this application, only user directly involved in that system. The developer or application maker only external side who is separated from the system if it is installed in the user's mobile phone. This application doesn't involve the other component, because it is a standalone application or installed directly in the device. So, it can run in the offline condition without dependence with cellular operator and internet connection or GPRS. Therefore, no charge to access this application.

Yet, the information that is gift about facility location is still limited and looks complicated. It is enough for old users, but it can be useless for new users or the users who don't know yet a facility location before. Beside that, the use of conventional map will spend a long time to find the information. Thus, there is need to design an application which able to give a visual information, so the information is useful for all of users.

This final project will do the designing of Bandung digital map application for mobile phone which made by J2ME programming and able to give the visual information on the headphone's screen, so the information is useful for all of users. In this research, problem solving systematic is divided to four phases. They're identification phase, application design phase, implementation and analysis phase, and phase of conclusion and suggestion.

The summary which can get from this research is to give an easier visual information access for users. This application is made with standalone characteristic and use raster map format in order that can run in many devices with not too high specification. Thus, many users can use this application without cost charge.

Keywords: Geographic Information System, Bandung Digital Map Application for Mobile Phone, Standalone, J2ME, Facility Location