

## **ABSTRACT**

Growth of information technology has made people more easily to access data and information. People can access information fast, wherever, and whenever they want. The growth of information technology also supported with rapidly telecommunication development, especially in mobile communication section. Nowadays, with GPRS technology, people can communicate with others and they can access data through various ways, such as, by SMS, MMS, and either by Internet. Even, with 3G technology that is being developed, allow people to communicate with others through video. This feature is called by video call.

Mobile Positioning System is a kind of LBS service that allows people to found geographical location of a mobile device. This service is more benefit than other LBS application in recent time, it is caused by an existing of Information System of City so people not only get information about their position, but also they can access information about a place or location that they want. This system also supported by GPS technology that can make this system more accurate to define people's location.

The aim of this final project is designing and implementing Mobile Positioning System on mobile device, like PDA/Pocket PC. User can access this system using HTTP protocol that exists on mobile device.

Key word : Location Based Service, Mobile Positioning, GPRS.