

## **ABSTRACT**

*Geographic Information System is a system that used as a topographic viewer for some area. MapServer is a freeware dan open source application to present Geographic Information System on the web. MapServer also equipped with additional module (optional) to easily build and manage webGIS system such as: MapLab, Chameleon, etc. MapLab utilized to make configuration file mapserver (\*.map) more easy at the WebGIS application that developed. Meanwhile, Chameleon is a framework that has many class and method to build interface for WebGIS application that developed more easily, like add some zoom features, pan, etc.*

*On this final project, will built an information system based WebGIS using MapServer. The designed application is to display condition some BTS with web interface between server and client. These applications have been offered some control function, administrative and managerial function needed for BTS mapping. Communication between clients connected through PC network.*

*The result from making this information system is to implement Geographic Information System technology using web interface so supervision for BTS decay, updating signal spread, mapping new BTS more easy to perform.*