

ABSTRACT

PBX access network is an important facility that has been applied in IT Telkom. However, in reality in IT Telkom, the PBX data have not been able well documented, making it difficult for technicians to perform operation of the network, such as maintenance, handling problems, and installation.

In this project has been carried out mapping of the PBX network access on campus IT Telkom by using Geographic Information Systems. The network mapping includes data collection of IP PBX in every building in IT Telkom. While on the monitoring side, this application provides the facility to edit the existing data so that these data can be kept updated according to the conditions in the field.

The results achieved of this project is creating a GIS website that displays information of data from PBX network access in IT Telkom in the form of dinamic digital maps that are user friendly by using MapServer as a web server. Making it easier for technicians in IT Telkom for the benefit of the PBX network operations.

Keywords : IP PBX, Geographic Information System, MapServer.