

## **ABSTRACT**

Information system has become a vital part of a modern institution at this time. With the availability of appropriate information systems, many benefits that can be obtained, which will ultimately increase the productivity of the institution. As the foundation of an information system, computer network infrastructure is the most basic that should be always available. Many of the losses will be incurred if a computer network infrastructure is suddenly not available and is not repaired in a short time.

Computer network located in this institution has not been supported by the monitoring system that can support the computer network with the good. This does not happen is that the IP conflict on the network computer. Therefore I want to create a computer network that already exists and will be displayed on the web. And in the final design I want to apply the computer-based monitoring network in the WEB IT Telkom.

And later appearance of the map lists the user name, IP Address, and the room. IP is often used by multiple computers so that the IP of a conflict that can disrupt the network connectivity on the user. It is necessary for the server that can be monitoring IP network so that each computer has only one fixed IP.