

ABSTRACT

IT Telkom is an educational institution that provides internet facilities to support student activities. To provide internet services in addition to bandwidth requirements, things to note is that the Internet network management framework consisting of servers and routers. Server includes the VPN server, DNS, database server, web, and FTV server. Along with the increasing number of IT Telkom students each year, the level of usage of internet and intranet networks also increases. It is feared that the existence of the problems that occur on the network such as network and IT Telkom dropped out, a service for a server is not active, inactive router, etc.. Because of the limited ability to monitor network conditions admin IT Telkom, it needed a system that can monitor networks and IT Telkom continuously namely Network Monitoring System (NMS).

NMS is a set of hardware and software to monitor and control a centralized, integrated system (centralized) that can be learned of the problems in the IT network system can be known Telkom so early.

In this final project will be implemented in Network Monitoring System (NMS) on Telkom IT network. So hopefully the problems that occurred on Telkom IT network can be solved more quickly in order to obtain a higher quality network services in serving the needs of students and IT Telkom.

Key word : Network Monitoring System (NMS), server