

ABSTRACT

Nowdays, Telkom University has one main line to connect to the internet and a server by using the OSPF routing protocol so that it becomes a problem when the network is die or down. The solution is development of the network topology by adding a backup path to the core layer, reconfigure the routing and apply the concept of metric on each interface to determine the backup path. The conclusion of this final project, the development of the backbone network will be implemented with stimulate used GNS3 application to help Sisfo Telkom University tested a new backbone network.

Keywords : OSPF, Metrics, GNS3, Telkom University