

## *ABSTRACT*

In order to improve the quality of telecommunication service, PT.Telkom as one of company in the field of telecommunications needs the real and solid actions, so this will cause of the service and a quick information presentation, precise and accurate. With the implementation of TMN (Telecommunication Management Network), so hopely to provide a system that able to manage the network orderly and organized, so it can fulfill the requirement of telecommunication service.

In improve the performance of the TMN, one of equipment that called NetMinder/NTM can be used, it works as a network traffic management supporting tool in near real time way. The problem in this final project is that in the link connection between Network Elements (NE) switching that is the central trunk with the NetMinder/NTM. For connecting the Network Element to NetMinder will require a datakit network as supporting device for data communication network and Mediation Device (MD) to translate all data that is transmitted to the NetMinder from the central trunk.

This final project will analyzes the performance of NetMinder especially about the link connection availability between Network Element with NetMinder/NTM. From the result of analyzing number of daily performance will influence monthly performance. Besides, for ease server of Netminder in calculation and monitoring performance *link connection Network Element-Netminder*, than built a visualization using Delphi program that can showing performance for each NE and average of performance for all of NE in Division Long Distance (DLD) in particular time.