ABSTRACT

With the rapid growth of telecommunication technology in Indonesia, each provider will increase its network to be more sophisticated in service and quality, one of them is to compete to build Infrastructure higher quality than before, with the process that is not automatically and briefly can be replaced with better.

For example is the construction of infrastructure in 4G where not all BTS get capacity for 4G service itself. Which in turn will lead to a variety of troubleshooting that will unwittingly create inconvenience to customers, one example of troubleshooting that occurs in the development of better quality is PaketLoss and Delay. To anticipate the existence of paketloss and delay is to perform monitoring as usual used by Team RTPO Telkomsel by monitoring software Imanage U2000 which after monitored readable for each site which have trouble or troubleshoot.

After knowing the existence of interference then RTPO team will do the act of repair and maintenance directly in the field by coming to every site which monitored to experience disturbance, after which disite team start to do control for any part which hamper connectivity in network. For disruption on the package itself packaged in the cable still use cat5, which previously only mamapu accommodate for 3G networks, for that it must be replaced with menggukn cat6 cable that can provide greater frequency so that can receive 4G network and paketloss can be lowered along with deaynya.

Not only that to improve the RTPO team must also let the Telkom who has a G-bon to replace or raise a larger frequency to not only the change of cable but also the addition of the frequency must be adjusted.

Keywords: Bandwidth, Imanage U2000, Paketloos, Delay