ABSTRACT

The competition era in the Indonesia telecomunication realm is growing rapidly, this situation can looked with the amount of telecomunication company. PT TELKOM Jakarta always trying to improve the service to the customer via inovation for continually restoration that support by the sturdy tools in it backroom side.

The goal of this final project is to exploit TCP/IP technology as the access device to the EWSD central that implemented to the TMN system. TCP/IP network must be better than the existing network if it looked this in the commection, operation and maintanance of the implement, time recovery, down time and the successful in the data transmission according to SLA standardization.

To understanding the research in this final project then studied about operation and maintenance IOP EWSD central, airdrome study about NFM ware, literature study about TMN DIVRE II PT TELKOM Jakarta system and following the operation and maintenance other supported ware if there's any bother in the airdrome, particularly that connected via IP network.

Be based on the analysis, than network that use TCP/IP appear better and more easy to bother handling or ware restoration. This situation can looked from tiny time recovery, ware that remoted from GCC, low down time, high access velocity. monitoring and alarm distribution that connected rapidly with TMN tools because it supported by network that use Gigabit Ethernet.