

ABSTRACT

Today, the telecommunications technology which is getting more variety grows along the increasing requirement of telecommunications services. Network local access copper is the main telecommunication network which is still needed in Indonesia, even though it begins to change into the fiber optic and radio network to support broadband telecommunications services.

The existing network local access copper is limited now, in fact the targets of new connection's demand is very high, especially in sub urban and rural area which are both out of reach to connect with copper cable. The other alternative of network access technology that can be used is network local access radio or Wireless Local Loop (WLL). However, the system of network local access radio often have disturbance such as voice is severed, crosstalk and in rains condition the connection with telephone off.

In this final project, writer does observation and analysis of network local access radio disturbance in STO Cijawura. This is doing disturbance analysis in communication system of network local access radio. The analysis's summary of network local access radio disturbance indicated that the disturbance happened because of the instrument's condition is not ideal and the nature condition's influence which has caused disturbance in the transmission process. Hopefully, from the analysis's summary of network local access radio disturbance can be used as the reference's ratio to optimalize and to increase the quality of network local access radio service in PT.TELKOM.

Key words: Network Local Access Radio, Wireless Local Loop