ABSTRACT

STO Cawang is the one of STO that has used fiber access network since 2003. But in several years ,there are many trouble appear in its transmittion like interface, access network or in its central, so it is caused many services especially PSTN can't work well and get some trouble like failed interfacing, disordered port and link management and other trouble that cause the process can't work properly.

So it's needed an analysis performance of signaling in its integrated network element where the components is Interface, central (Local Exchange), access type (Access Network) and its transmittion system based on V5.2. After knowing the signaling performance in its network element and then search for the solution of it's problem

this final project will analyse the signaling performance between Local Exchange and Access network based on V5.2, where I'ts used in STO Cawang in this time. And the next step is to determine problem solving of that signaling trouble.it's used for STO Cawang's repairing process.

Keyword : Local Exchange (LE) , Access Network (AN) , Signalling process , V5.2 interfacing and system