

ABSTRACT

Technology system request with high bit rate progressively increase. Along with growth of capacities of information system which is fast progressively also. Technology Trend of telecommunications in service area expand from ordinary telephone to narrow band, wide band, broad band, and services.

HDSL (High bit rate Digital Subscriber Line) is digital technology modem representing technological development of PCM-30 (Pulse Code Modulation) speed 2 Mbps to provide to transfer digital with high bit rate through loop copper.

Local network access fiber by using optic fibre as it transmission media expected able to reply all challenge in the field of telecommunications. Optic fibre own excellence among other things own wide bandwidth, damping and low dispersi, capacities of larger ones, and hold up to electromagnetic interference.

To know performance from HDSL and Local network access fiber which in STO Ujung Berung need conducted by measurement and calculation of pursuant to at parameter of each. From result of measurement and knowable the calculation whether local network access fiber and The HDSL have fulfilled standard which have is specification by PT. TELKOM.

At this final project will be studied to hit evaluation unjuk work network of primary of fiber of optic and HDSL in STO Ujung Berung. knowable The evaluation whether have fulfilled standard which have is specification by PT. TELKOM. with the result will be got by a solution to increase performance network access client.