

ABSTRACT

In the development of telecommunication technology DSL is an emerging technology that has been receiving a lot of attention. High-bit-rate DSL constitute one of DSL technology is digital modem with PCM 30 developed technology based on 2 Mbps. Transmission system of HDSL is transport technology for symmetry service on user with 2 Mbps through 2 or 3 pair copper cable. HDSL implementation is used as alternative for optimized capacity limited and bit rate of existing local access.

The implementation of HDSL technology in great quantities used as trunk network between central to central or central to user. Its implementation require added equipment HTU-CT on the central and HTU-RT on the user.

Implementation of HDSL technology requires analysis and evaluating all aspects, that are planning aspect, installation, transmission system, secure system, operational service capability and maintenance. In this Final Assignment study focus on transmission system aspect of HDSL technology which implemented to support DID service based on parameters, that are line loss, loop resistance, isolation resistance, crosstalk and BER. From the result of analyze and evaluating, got the conclusion that implementation of HDSL technology as transport media for DID service in KANDATEL BANDUNG has good performance because the result of measured parameter appropriate with standard parameter.