

## ABSTRACTION

Request of Telecommunications service especially the service phone progressively mount along with progress and technological era demand and the information which progressively expand. Technological interest systems with high beet rate progressively increase.

Basically, DPG is a digital pair gain which is implemented by PT Telkom at access network called by Fastlink system. Fastlink consists of modules used for the solving of network problems. This system can handle many services, includes interactive services like telephone, ISDN, 64 Kbit/s data and 2 Mbit/s services, or modern broadband services like CATV.

The performance analysis parameter includes network primary . Measurement parameter will be compared to the PT Telkom standard specification. Theoretical computation analysis is also included in this final project.

The result of this final project shows the good quality of this access network. While the electrical copper measurement is isolation resistance  $> 5000 M\Omega/Km$ , loop resistance  $< 130 \Omega/Km$ , attenuation  $< 6 dB/Km$ , and BER  $3.10^{-8} - 1.10^{-7}$ . The troubles happened at HDSL FastLink is much more caused by the modules troubles at HDSL Fast Link itself – not by the condition of the network, where for each trouble there has been a repairing mechanism. So, it can be concluded that has worked successfullyn network at Kandatel Bandung has a good quality performance.