

## ABSTRACT

The existing on local loop access just can transmit plain old Telephone Service (POTS) with a bit rate up to 64 kbps. In this time, the customer to ask a communication service especially multimedia service which more kinds services such as: voice, data and video. That's a reason, in the busneness and industry area (Kawis/Kawin) STO Bogor Centrum have to application Asymetric Digital Subscriber Line (ADSL) and Integrated Services Digital Network (ISDN).

To do the program healthy of network, in this final project the writer will try to evaluation the network with doing measurment for the electrical parameter line to know how far the quality of line to application the multimedia services in this time and the future.

The evaluation doing in the busness and industry area (Kawis/kawin) with doing the measurment for the electrical parameter ADSL and ISDN transmission such as: attenuation, resistance loop DC, unbalance, impulse noise, wideband noise and interference channel.

The result of evaluation can be make a systematic group of busness and industry area. The writer hope that's can give a contribution for PT.Telkom Bogor especially STO Bogor Centrum.