

ABSTRACT

Multimedia technology needs high speed broadband access. ADSL (Asymmetric Digital Subscriber Line) is one of technology that support it. ADSL is a modem technology, converts existing twisted-pair telephone lines into access paths for multimedia and high speed data communications or signal digital. *Speedy* is a high speed internet services from PT Telkom, using ADSL technology, where increasing of public access network capability to high speed digital network become possible. So customer can access high speed internet and using telephone (voice) through one line in a same time.

Beside *Speedy*, PT Telkom have had high speed internet services product before. It called Telkomnet Premium. Telkomnet Premium is a Telkomnet Instant developmental where customer will get browsing speed faster than 10 times of normal speed (56 Kbps) with compress decompress technology.

In this Final Exam, based on measurement and calculation data of case study in STO Bandung Centrum in Kandatel Bandung and parameter standard, 20% of sample have SNR under PT Telkom standard 28 dB. For *speedy* bit rate, 37,5% under PT Telkom standard. Telkomnet Premium capable to reach 389 Kbps for bit rate. Based on general observation, it can be concluded that *Speedy* is better than Telkomnet Premium. So it can be said that *Speedy* implementation in Kandatel Lembong effective compared with Telkomnet Premium.

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