

ABSTRACT

As the rapid advancement of technology, the demand toward the better quality of telecommunication service plus additional facilities inside is also increasing. This is answered by realizing the x-DSL technology offered by the service provider, in this case is PT Telkom, that intent to maximilized the utilization of existing network for broadband service.

One kind of x-DSL technology is ADSL (*Asymmetric Digital Subscriber Line*). ADSL is one of the accessing technology that enable the data, voice and video communication transfered simultaneously, using 1 pair coaxial cable network as the media. This technology called *Asymmetric* because of the transmission rate distinction from the exchange to the subscriber (known as “downstream“) and in return (upstream).

Realizing how significantly important the ADSL technology to assist the *SPEEDY* network performance, So the author tries to evaluate and analize the ADSL technology performance by the brand and the type, comparing the measurement result of each technical parameters of ADSL device done in the Transmision Lab of RisTi PT.Telkom Division as the method to analize, tight standarization base on Telecommunication Specification (S-Tel) as guidance, then finally proposing whether this device is deserve or not to support the implementationof broadband telecommunication service.