

ABSTRACT

Telkom service providers are relying on *IPTV* to counter voice, video and data ("Triple-play") threat of twisted cable by offering these services over their hybrid fiber/*DSL* access infrastructure. This final project research held in existing wireline at accessnet laboratory PT.Telkom R&D.

ADSL as a new digital modem technology, used to reduced weakness of existing twisted pair cable telephony. *ADSL* downstream and upstream forward which each forward have different rate point. With the differ of rate, subscriber can use this more efficiently.

In this final project had build an application based web that use *PHP object oriented* as a fundamental programming language. This software used as an interface for subscriber to reach *digital video broadcast (DVB)*. Based on analysis implementation of *DVB over IPDSLAM* at existing twisted pair in accessnet laboratory PT.Telkom Risti, can be conclude that, this application has good perform at existing network. Which can reach 7.5 km for Network test bed at wireline accesnet laboratory in Telkom Risti Bandung. The network parameter like attenuation ,*SNR* level that receive by user have impact to throughput system.

Keyword : *DVB, IPDSLAM, PHP, object oriented.*

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