

ABSTRACT

IPTV is a new services technology which are so potensial for integrated by ADSL. IPTV service use Virtual Lan for the access. The problem is how far IPTV service can be implemented to ADSL network with PVC (permanent virtual circuit) who made for multi services and what the effects for the other services example, HSIA and voice service.

To know the influence from the other service in IPTV, so be needed to did performance analysis about IPTV service. In this final project, necessary to did an analysis about implementation PVC over VLAN to IPTV service. The test did with method measure access network performance in user side. From the test result and analysis in wireline access Laboratory network at Telkom RisTi, can be concluded that IPTV service if work together with another service has a decrease performance but still appropriate with standar regulation.

Kata kunci : IPTV, PVC, VLAN, ADSL network.

STTTELKOM