

ABSTRACT

Triple play service is services of voice, data, and video in a single network connection so that it takes a large bandwidth. Demand quality services with high-speed access, the deployment of GPON FTTB technology is the right choice by PT. Jabar Telematics to provide Triple play services for Panoramic Apartment Bandung. Triple play services are accessible customer if interconnected between devices Triple play with the service provider.

This final project will configure the device Triple play is the OLT to perform VLAN configuration, interface ports, and bandwidth. After that the results obtained from OLT configuration is triple play services to customers through testing or proving the success of customer service with bandwidth management and interface port.

From the results of OLT configuration indicates that the services Triple play can be accessed by customers in Apartment Taman Sari Panoramic Bandung in accordance with the needs of bandwidth that is up to 1 Mbps for Internet data through application testing speedtest and resolution of IPTV such as HDTV's bandwidth <8 Mbps and HDTV for bandwidth > 8Mbps, And the average total traffic of data is 87,086 kbit / s of the maximum limit of 122,810 kbit / s GPON network that show was quite good and reliable in meeting the criteria GPON through monitoring the use of bandwidth as data traffic monitoring.

Keyword : GPON, OLT, *Triple Play*