

## ABSTRACT

PT Pos Indonesia ( Persero ) has a Human Resources ( HR ) is abundant , it would require a good communication network to ensure smooth work . Network communication itself , PT Pos Indonesia ( Persero ) using network technology Multi Protocol Label Switching ( MPLS ) and Very Small Aperture Terminal Internet Protocol ( IP VSAT ) . But in both these networks is a network interruption occurs during working hours .

In this final task 3 scenario . Scenario 1 testing Quality of Service ( QoS ) network Multi Protocol Label Switching ( MPLS ) . In the second scenario testing Quality of Service ( QoS ) Very Small Aperture Terminal network Internet Protocol ( IP VSAT ) . Scenario 3 network analysis Multi Protocol Label Switching ( MPLS ) and Very Small Aperture Terminal Internet Protocol ( IP VSAT ) from the results of the test scenario 1 and scenario 2 .

The desired result of this test is to produce a reliable network of MPLS network and the IP VSAT network parameters with the results of the test according to the standard ITU - T . Then expected to produce network solutions that are free of problems and disturbances so as not to disturb the smooth working of PT Pos Indonesia ( Persero ) .

In this final project , I took the title :

***PERFORMANCE ANALYSIS OF COMPUTER USING TECHNOLOGY MULTI  
PROTOCOL LABEL SWITCHING (MPLS) NETWORK AND VERY SMALL  
APERTURE TERMINAL INTERNET PROTOCOL (VSAT IP) NETWORK  
STUDY CASE PT POS INDONESIA (PERSERO)***

Hope can be a benefit for the future .

Keywords : MPLS , VSAT IP , QoS