

ABSTRACT

The purpose of preparing this fieldwork report is to develop or expand capacity on ethernet metro network on Tangerang - Jakarta internet channel. The use of ip network services is so rapid that it causes overload, it happens because of the use or the number of population very rapidly. This research begins by analyzing the existing network by plunging directly into the field to obtain data accurately or commonly called surveys first. With the results of the survey then design a system which is then tested by implementing it directly. And the test results are running smoothly so as to overcome the problems that exist in the central phone Lengkong South Tangerang.

Keywords : Network Capacity, Network Ethernet, Metro Ethernet