

ABSTRACT

Computer network is something that plays a very important role in various fields, including companies, schools and universities. With regard to the importance of the computer network itself. To build a network several things must be considered in the selection of hardware and the right network topology. By knowing this, users can choose the network topology that suits their needs. PT Palapa Wijaya Perkasa urgently needs a new network that connects computers to make it easier to exchange data information. In this regard, the author tries to make a Final Project on a new network analysis in the case study of PT PT Palapa Wijaya Perkasa. It can be said that some of the activities of employees use computers as a means of support. The selection of the appropriate device and network topology will determine whether or not a computer network system is good or not. However, the subject emphasized on matters relating to the proposed network design, and implementation in the management of computer networks, by dividing the data speed of each user using Winbox, in order to get effective and efficient work results. From this network analysis, it can be concluded that using a network to connect computers in a company will run optimally, if it can be designed and built properly. Utilization of computer networks is very important in improving performance in a company.

Key words: Network Analysis, Computer Networks, Topology.