

ABSTRACT

Along with the development of technology, especially information and communication technologies, the needs of the public service continue to increase so that the necessary communication tools which can serve all the services. Internet one of these services, as a way to cope with requests from customers who want internet network that is by doing adding networks using fiber optic cable. Optical fiber service to be a solution on this issue and also the optical fiber is the latest service to the field wiring. The process of construction of fiber-optic access network started from the optical line terminal (OLT) in automated telephone Central (STO) that is connected to the optical distribution frame (ODF) using a patch cable core and then connect to the optical distribution cabinet (ODC) located into the road that connected from the optical distribution frame (ODF) using the cable feeder, then from optical distribution cabinet (ODC) is connected to the optical distribution point (ODP) which usually is a telephone pole connected with the use of cable distribution. For the construction of a fiber optic network that was done on optical distribution point (ODP) have several methods, one of which is the branching method. Branching method is a method of branching that is done on a fiber-optic network to add a network that is already full. By doing the branching methods then generate the network growing by adding new distribution cable.

Keywords: networking, optical distribution point (ODP), branching method