

ABSTRACT

The rapid development of technology has led to an increase in the use of Internet services. This is comparable to the communication service needs of the entire community. Therefore, the application of optical fiber as a transmission medium in the world of telecommunications is one of the solutions for high-speed Internet infrastructure. So that people at home can enjoy these services, telecommunications service providers provide telecommunications infrastructure services using fiber optic technology. Optical fiber is famous for its speed in transmitting data. In addition, this cable has large bandwidth and small attenuation. So it is not surprising that fiber optics is often preferred by many providers. The aim of this installation is to increase device capacity and network performance in each STO under Witel Purwokerto.

Keywords: fiber optics, technology, transmission, telecommunications