

*Abstract*

*Fiber optic (Fiber optic) is a transmission line made of glass or plastic that is used to transmit light signals from one place to another. It is difficult for light in fiber optics to come out because the refractive index of glass is greater than that of air. The light source used is a laser because it has a very narrow spectrum. Fiber optic transmission speed is very high so it is very good to be used as a communication channel. In fiber optic transmission media there are various kinds of losses, including: Rayleigh scattering losses, coupling losses, connection losses and attenuation losses in the connector. In this street vendors, fiber optic splicing is carried out using a fusion splicer, the type of cable that is connected is a single mode fiber optic type and a light source of a certain wavelength.*