

## ABSTRACT

*IndiHome Fiber is a telephone and high-speed internet access product of PT Telekomunikasi Indonesia. IndiHome Fiber uses fiber optic cable as known as Fiber Optic (FO).*

*The use of IndiHome Fiber product sometimes not work as good as the customers need, so it needs a good handling for a better quality of IndiHome Fiber and become as well as it should be.*

*In this working practice occasion in PT Telekomunikasi Indonesia, the writer do a final project which was a case study of one of trouble solving which is dysfunctions of IndiHome product caused by broken fiber optic cable. This handling is by checking the attenuation value on the Indoor Optical Outlet (roset). If attenuation value isn't detected because its so small, it shows that the cable was broken. The next step is the installation of OTDR to know the range of broken cable. Then, make a pair of broken cable, and the last step is rechecking the attenuation value by using OPM until the value of attenuation is -18,52 dBm, which means that it concludes of safe attenuation value and IndiHome Fiber product can be used again.*

*Keyword: trouble, IndiHome fiber, handling, repair, attenuation, splicer*