

ABSTRACT

The internet is a collection of computers or mobile phones that are connected to each other that form a network. With the internet, humans can communicate in real time anytime and anywhere and can send live videos between cellphones and recipients so that they can meet face to face indirectly. The use of the internet can not be separated from interference or obstacles in making internet access. This is because the internet is controlled by a machine which can be damaged due to continuous age or use. Although internet services have provided internet service improvements, these internet problems often occur repeatedly over a period of time due to this. The number of internet interference requests continues to increase along with the increase in internet interference. Loss or disconnection of the cable and Error modem interference that most dominate the internet user. This is because the modem is an internet connection connecting machine that is controlled by IC components. Modems require configuration to connect to internet services. If the IC temperature is too high because it is used continuously for a long time, the memory in the IC becomes a digital electrical error or surge. So that the electrical signal inside the IC is lost which results in the loss of configuration data which results in the breakdown of internet services so that it must reconfigure. In this practice the author learns about the technique of connecting cables to overcome interference with Cable Loss and Improves Error Modem in Fiber Optic networks

Key words: *Modem, Loss, IC, Fiber Optic, Error*