

ABSTRACT

At this time, the development technology based on human need for developing technology better and easier to use. In this riset, writer analyzed from fiber optic implementation. The fiber optic is not only underground but also can be used for nircable data transfer. Writer will analyze and simulate that device with a title “The Analyze of Visible light Influence To Led Light at 400-700 nm Wavelength”.

Mechanism from this device is calculating the sending and receiving data. The sending data is transmitted by computer, then through the microcontroller, and LED as a transmitter for data transfer. Phototransistor as receiver and checked by computer.

From device result, we will know if the data transfer interferenced by visible light with comparing between the sending data and receiving data.

Keyword : LED, Phototransistor, Interference visible light.