

ABSTRACT

In this era the era of telecommunications development is growing very rapidly. It can be seen from the network systems that are currently in use in the world of telecommunications. At first we could only communicate using ordinary telephone, until today we can communicate remotely with a variety of networks such as radio and light communication (VLC) which can transmit information

This device can endorse us to communicate using light communication technology (VLC) which uses two tools Transceiver such as sender and recipient laptop. This device has a function as a media liaison from the sender to the receiver to send pictures and files. In this device requires hardware and software. At block Transceiver using HyperTerminal software, USB to UART, LED, Photodiode,

Of the Visible Light Communication VLC or we can send images or files from one laptop to laptop 2. The distance between the laptop and the laptop 1 2 is 1.5 meters. By sending data such as pictures and files with a capacity of 100 Kbps to 2 Mbps with the intensity of light produced between 375nm to 780 nm.

Keywords: development of technology, visible light communication (VLC), delivery of data digital, block Transceiver VLC, Hyperterminal