

ABSTRACT

LED (Light Emitting Diode) is currently largely utilized only as an indicator or as a light of a room. In the development of this technology a lot to create innovations, the current LED can be used as a medium-speed transmission medium. Visible Light Communication (VLC) is a communication system that utilizes visible light as a transmission medium. This final project, developed a VLC system to transmit a streaming video. Streaming video is sent through the transmitter block by utilizing the LED as the sender. It is then received by the receiver block with the photodiode as the receiver of the information transmitted by the LED. In streaming video delivery is divided into two parts, namely voice and video streaming. The final result of this project is to prove the video streaming can be sent through VLC system with a distance of 45 cm.

Keywords: visible light communication, light emitting diode, photodiode, video streaming.