

ABSTRACT

Technological developments have shown significant improvement, especially in the field of communication. This is proven by the large number of communication media be it wired or wireless. In this final project utilized visible light from the LED as communication in the media, where the light as long as it is only used for lighting only. Visible Light Communication (VLC) moving at light communication system, which was developed into a system of communication. VLC system in use due to its velocity are stable as well as electrical power use is also much less, because the use of LED light on this system. VLC system can be build using arduino uno module using LED as a transmitter of light, the system can send information in the form of text using light as a medium of communication data. From the result of testing conducted system successfully sending 64 character with maximum distance 15 cm.

Keywords: Visible Light Communication, Communication system, Light Emitting Diode