

## ABSTRACT

*VLC system moves in a wireless communication system, which was developed into a communication system LiFi for future technological advances. Until now the development of VLC general public is still not known primarily for voice communication.*

*Is this final project is designed and realized LiFi communication systems for voice communication. VLC communication system designed at the end of this project consists of a transmitter and receiver blocks. In this design simulated light communication system using two tools, namely LED flashlight and a headset as the sender and receiver.*

*From the test results within range for VLC voice communication as far as 5 meters. The greater the angle of the light source, semakain clear sound captured by the receiver.*

***Keywords: VLC, LEDs, Transmitter, Receiver, Headset***