

## **ABSTRACT**

In the era globalization of technology communication which is always increase, so we need communication system that can be used to receive a lot of capacities. One of them is Optical Wireless Technology.

Local Area Network (LAN) is a personal network in a building or college which have a measurement of some kilometers. LAN usually used to connect personal computers and workstation in an office of companies or factories to use resource together and another change information.

In the last project will be designed an optic communication system which is using wireless and then it be analyzed in the some of parameters that influenced activity from the optical wireless system. The parameters consist of long laser source, gain, availability, power budget, attenuation weather, and absorptive power.