

## **ABSTRACT**

*In this study, the institution that was used as the object of research was The Office of Investment and One Stop Service of West Java Province using the Network Development Life Cycle (NDLC) method. In this study, the NDLC method that will be used in only up to the simulation prototype stage. The NDLC method is used because this method is one of the methods that can be used to develop and analyze the current network infrastructure used in The Office of Investment and One Stop Service of West Java Province.*

*The result of this study are in the form of a design with fiber optic network measurement and analysis which will be a proposal for The Office of Investment and One Stop Service of West Java Province.*

*Keyword : Fiber Optic, Network Development Life Cycle, Network Infrastructure*