

## **ABSTRACT**

*PT.XYZ is a company engaged in the field of information and communication as well as service providers and telecommunications networks. PT. XYZ has an development OSP-FO project in witel Bandung Barat whose project work is assisted by partners and vendors. In the process of working on the project, the vendor as the task of doing the installation in the field often makes mistakes so that the rework. After observing the cause of the rework, it is known that the Optima and Construction Unit Access as the project owner is not well informed about the progress of work about the OSP-FO project. The project owner himself has difficulty in monitoring the quality control of the ongoing project. So far, projects are still being monitored manually because the project owner does not yet have an information system that can oversee and also provide a geographical overview of the overall project location.*

*In this study the design of Quality Control Geographic Information Systems using the waterfall method. The main function of this information system is to assist the project owner, the Unit Access Optima and Construction of PT. XYZ to supervise and control the quality of the OSP-FO Project, and to provide information for ongoing coordination and communication between the field supervisor and the project owner. The results of this study are an application of a Geographic Information System Website (GIS) monitoring quality control OSP-FO project of the witel Bandung Barat.*

*Keyword: Project Management, Geographical Information System (GIS). Control Quality, Waterfall*