

ABSTRACT

PT.XYZ is a company engaged in telecommunications. In 2016 the index of telecommunication and information development in Indonesia increased by 4.34 compared to 2015 which was only 3.88 from the calculation of 0-10 scale. The purpose of PT.XYZ is to increase the network connection owned by the company by modernizing it into fiber optic. The modernization project currently planned by the regional office of PT.XYZ is the STO Shutdown Project, located in the Tanjungsari region. To start the project, planning is needed on each activity that will be carried out during the project to complete. This study aims to design STO shutdown project planning by focusing the problems on the three project boundaries: scope, time and cost.

Project Shutdown STO was started on February 6, 2018 up to April 20 2018, with execution for 58 calendar days. The method used in this research is Work Breakdown Structure, Precedence Diagram Method, Milestone Chart, Critical Path, Cost Aggregation and S-Curve. Work Breakdown Structure is a method used to decompose every job a worker will do, as well as to generate a *baseline* scope. Precedence Diagram Method, Milestone Chart, and Critical Path are used to determine the proper sequence of activities and duration of the *baseline* schedule. Cost Aggregation and S-Curve are used to determine the value of PV at Cost *Baseline*.

Key words : *Project Management Plan, Scope Baseline, Schedule Baseline, Cost Baseline*