

## **ABSTRACT**

*STO Tanjungsari Shutdown Project is a modernization project of fiber optic network for 334 locations in Tanjungsari Sub-district. To compare actual performance of the scope, schedule and cost with planning for making right decisions in project's status and performance, required controlling by using Earned Value Management method because it can integrate these three things. Status and index of project performance on the 22nd day indicate that project was behind schedule that caused loss revenue of Rp. 2,440,590.38 with 98% of delays from planning and project get 94% of overruns budget from issued value with amount of Rp. 6,735,604.30. In addition, forecasting is done as a corrective action of past project status and performance. It is estimated that the project duration to complete work is 31 days with total cost for the remaining work (EAC) of Rp. 127,423,773.30 from previous project performance. It is also estimated that cost for remaining work until the project is completed or ETC is Rp. 7,067,177.00 with size of the project's forecasting status is a deficit from VAC value that calculated about (Rp. 6,735,604.30) and the project will complete based on the TCPI forecasting calculation.*

*Keywords: Infrastructure Project, Project Control, Earned Value Management, Project Performance, Forecasting.*