

## ***ABSTRACT***

*Obstacle on the FTTH project results the delay on project completion. It can happen as a result of several matters, like obstacle on permit to project location, change of project design, delay on material production, material availability, and ineffective reporting system. So that monitoring and controlling process is required by this project. Based on the research of this project, process of monitoring and controlling is used to analyze the project implementation performance by using Earned Value Management. EVM is used to calculate planning value and value of achievement performance which is done on a certain period of time, so that deviation value can be calculated. Besides that, deviation value is clearly visible on s-curve about the difference between accumulative planning value and achievement. In this research generate value of SPI on the 10<sup>th</sup> week showing amount of 0.86 that means the project performance doesn't agree with the planning and causes project has just been able to be completed on the 13<sup>th</sup> week. The deviation happens because the material can't be reached by supplier. So with using EVM on monitoring and controlling process, it can do monitoring actual performance value be done and can do corrective action in order to avoid the impact of the obstacle that occur.*

*Keywords: Crashing Schedule, Fiber to The Home, Earned Value Management (EVM), S-Curve, Monitoring and Controlling*