

ABSTRACT

PT. DCM is a project based company that provides telecommunications network installation services. The current project is the Optical Fiber Ducting project for Cluster Dayana in the Summarecon Bandung Area. Until the 25th week or the project and date, the project status is needed to analyze project performance. The method used is the EVM method. EVM is used to calculate needs in terms of time and cost. Calculation results can be used as an early warning. The S curve is used in comparing the values of PV, EV and AC. Until the end of the project based on the contract, the SPI value is 0.62 which states the project status when it is late and the CPI value is 1.25 which states the project status at the condition of unplanned costs. After forecasting the project, determine the additional costs needed to complete the project, which is 15 weeks with a total total cost to complete the project, which is Rp 1,037,976,333.17. After the project is known to correct delays, the project duration can be accelerated using the TCTO method. In this method the calculation of the duration of the accident, accident costs, slope, and analysis of the optimal time and cost. After calculating, the duration of the project was reduced to 171 Days with reimbursement of Rp6,613,053.

Keywords : EVM, Monitoring, Controlling, Crashing, TCTO