

ABSTRACT

PT XYZ is a company that provides access network installation services, network infrastructure development, Network Terminal Equipment (NTE) management, and access network operations and maintenance. Currently PT XYZ is carrying out the construction of a Fiber To The Mobile (FTTM) construction project located at the BDS777 Site Sukamaju Base Transceiver Station (BTS) location. Based on the project s-curve, it can be seen that the project is experiencing delays. As of week 9, the project status is still at 45%. Based on these problems, an analysis of the project delay will be carried out, while the method used to analyze the delay is the Earned Value Management (EVM) Method. The EVM method is used to compare the planned value with the actual value, so that the difference between the two values can be known. The end result of the method is the calculation of forecasting time and cost used to complete all project work. Based on the calculation results, it can be seen that the project Cost Variance (CV) value is -Rp77,265,500 and the project Schedule Variance (SV) value is -Rp66,186,500. Meanwhile, the project Cost Performance Index (CPI) value is 0.411624277 and the project Schedule Performance Index (SPI) value is 0.449551318. The value of the project Estimate At Completion (EAC) is IDR 269,089,500 and the value of the project Estimate To Completion (ETC) is IDR 137,769,500. The value of the project's To-Complete Performance Index (TCPI) is 1, which means that the project can be completed easily. In addition, it takes an additional 93 calendar days to complete all remaining work and it takes 156 calendar days to complete all Fiber To The Mobile (FTTM) construction project work at the BDS777 Site Sukamaju Base Transceiver Station (BTS) location.

Keywords — [Project Delay, Fiber To The Mobile, Base Transceiver Station, Earned Value Management, Forecasting]