

ABSTRACT

PT. XYZ is an Indonesian telecommunications & network service provider company that has an annual project, namely the FTTH OSP-FO (Fiber To The Home Outside Plant - Fiber Optic) project. During 1st batch, the sub-project locations are spread across the Cirebon area. For the process, PT. XYZ is working with 9 partners, but on the project deadline, only 2 partners have completed their work. This was analyzed using the Earned Value Management and Earned Duration Management methods to measure the cost performance and duration of the project, all of their works were found that this setback had already occurred quite early. The lowest cost and duration performance occurred at the Dusun Dua Karanganyar with a SPI value of 0.27 with a Schedule Variance of -Rp75,222,435.80 and Distribusi Cageur with a DPI value of 0.76 and a duration variance of -17 days. This was caused by the small number of field supervisors on the work of partners so that they could not detect delays that occurred at the outset. Therefore, an information system called "Better Project" was designed which has a function as a project monitoring & controlling platform by measuring project performance using the EVM and EDM approaches.

Keyword: FTTH Project , Earned Value Mangement, Earned Duration Mangement, Project Monitoring & Controlling, Information System