ABSTRACT

PT XYZ is a company engaged in telecommunications construction. This company is a provider of various telecommunications network services. Currently, PT XYZ is implementing the STTF (Shift To The Front) project, which is a project to add an FTTH (Fiber to the Home) network in areas that have the potential to have high customer demand. One of the STTF project work locations is in Selacau, Batujajar which was carried out in accordance with a pre-agreed contract. In its implementation, there are delays that cause delays in project implementation. Currently the project still does not have a monitoring and controlling information tool to monitor project conditions, this is because the project progress report only uses Microsoft Excel and there is no project performance calculation to determine the estimated schedule and cost calculations, so PT XYZ does not know the project conditions, both from schedule and cost aspects, so in this final project will design a dashboard using Google Studio to measure project performance using the User Centered Design (UCD) method to facilitate project supervision and obtain project evaluation so that corrective actions can be taken on the project. In this final project, it shows that the delays and project costs incurred are greater than planned precisely in the 5th week, with the results obtained from the calculation of the SPI value of 0.92 and the CPI value of 0.88. Furthermore, an estimate is made to complete the project (EAC) with a value of Rp. 344.548.504, this value is greater than the value of BAC which is Rp. weeks to complete the project. Then for the results of this dashboard design in the form of validation by the user, namely the Project Manager which shows that the dashboard can help work and make it easier for users to monitor and control the project.

Keywords : Dashboard, Google Studio, Earned Value Management, Monitoring, Controlling, Project Performance.