ABSTRACT

PT. XYZ is a company that focuses on construction and network infrastructure services. PT. XYZ is a subsidiary of PT. ABC operates in the field of Information and Communication Technology (ICT) services which is a state-owned company. PT XYZ has various projects, one of which is the Feeder Development Project in areas that have high demand. The project is located in Gunung Cupu Village, Bandung, West Java. In the Feeder project there is a problem that hinders the work process, which causes a discrepancy between the plan and what is in the field, namely the lack of a monitoring & controlling process and a lack of real time progress information. In this way, a spreadsheet-based monitoring & controlling dashboard will be designed to make it easier for the project team to evaluate and supervise and control the project using the User Centered Design method. The User Centered Design method is useful for making it easier to find out what the user needs. And there is also a method used to measure project performance, namely the Earned Value Management method using the cost aspect and the time aspect. The data needed in designing monitoring & controlling dashboards are Work Breakdown Structure (WBS), WBS Dictionary, Budget Plan, Project Charter, Weekly Expenses & Progress, and Scope Baseline.

On the monitoring & controlling dashboard, five worksheets are found, namely Home, Baseline, Actual, Variance, and Forecasting. The SPI and CPI values obtained in week-7 were 1.00, which means that the project is running according to the planned time and the project implementation costs are in accordance with the budgeted costs. The results obtained from the EAC calculation were IDR 282,360,315, ETC was IDR 0 in week-7 and the time estimate was obtained for 7 weeks, where there was no additional time to complete the project. The results obtained prove that designing a monitoring & controlling dashboard will make the project work process easier.