

## ABSTRACT

PT. LMN is an information and communication company as well as a provider of services and telecommunications networks PT. YXZ entrusts PT. LMN to work on the phase 3 project of PT. YXZ Core System. In the development of the core system of PT. This YXZ has several things that make this project experience delays. The phase 3 core system application development project has experienced delays, for this reason, based on the contract that has been agreed upon by PT. YXZ and PT. LMN fines from delays have been calculated from the day the project was supposed to be completed.

Based on these problems, it is necessary to carry out the role of project acceleration as a reference for PT. LMN in making a phase 3 core system application development project to anticipate the occurrence of ballooning fines. In this design, calculations are carried out using the Crashing Project method and Cost Recapitulation Calculation After The Crashing Project. The Crashing Project method is carried out in order to obtain Crash Duration and Crash Cost from a project activity that is hit by a critical trajectory. And the analysis of The Calculation of Cost Recapitulation After Project is used to show the Direct Cost, Indirect Cost, and Total Cost of a project in each of its activities. The acceleration of this schedule is carried out using two alternatives, namely the addition of working hours and the addition of labor.

This project has a normal duration of work of 156 days with a total project cost of Rp1,543,115,000. In the alternative, additional working hours are carried out by doing overtime as much as 16 hours which is divided into each day. The activity affected by the crashing performs 16 steps of work so as to get the optimum duration and point which will later be presented using the direct cost, indirect cost, and total cost charts. After calculating the crashing and recapitulation of project costs with the alternative of accelerating the addition of working hours and the number of workers, there is a change in time and costs if additional working hours and labor are carried out. In terms of time, the project was reduced from the original 156 days, reduced to 150 days. Through the recapitulation of project costs after crashing, the total costs that need to be paid by PT. XYZ is IDR 1,617,075,385

Keyword— [**Project Scheduling, Schedule Accelerate, Critical Path Method, Crashing Project, Direct Cost, Indirect Cost**]