

ABSTRACT

PT. LMN is a company engaged in the project of providing telecommunications components. To complete several projects PT. LMN is assisted by a general contractor or partner, namely PT. XYZ. In this project PT. XYZ is working on providing electronic packages at the platinum hotel in Surabaya. The project for providing electronic packages at the Platinum Surabaya hotel will be carried out by PT. XYZ experienced several obstacles due to problems with the work contract and also the Covid-19 pandemic in Indonesia. The delays that occurred were caused by several factors, such as material, machine, human, environmental factors, and also methods that were not mature enough for the project. Due to the delay in the project undertaken by PT. XYZ caused the project to provide electronic packages for the Surabaya platinum hotel not according to the schedule that had been agreed at the beginning. Therefore, in order to avoid delays, project acceleration can be carried out using the crashing method and also the TCTO (Time Cost Trade Off) analysis which is expected to use the crashing method with the acceleration of adding workers to help the project finish on time so as not to be penalized for delays. The crashing method itself is a method used to shorten the duration of the schedule for the smallest additional cost by adding resources and TCTO analysis is a method used to obtain a more profitable project duration in terms of time, cost, and revenue. The acceleration that will be carried out for this project is by adding 1 technician to the installation of a 12 gigabyte port farm switch with a duration of 93 working days and a total project cost of Rp. 2,427,956,285. The integrated design in this final project integrates 3 things, namely man, method, money.

Keywords: *Acceleration of Scheduling Design, Crashing, Addition of Number of Workers, Time Cost Trade Off.*