

## **ABSTRACT**

Various things can occur in the implementation of a construction project that could lead an increase implementation time so that the completion of the project tends to be delayed or not according to plan. The OSP-FO Granular STO Cikande was chosen as a case study because of the 3<sup>rd</sup> license party is not released yet from 5<sup>th</sup> July 2018 until entered May, 2019. The project is not having production work for more than 6 weeks and the status of the project is become on hold project.

Therefore, it is necessary to renew the schedule and accelerate the project when the license is release. Time Cost Trade Off (TCTO) method is a schedule compression to get a project that is more profitable in terms of time (duration), cost, and income. The goal is to compress projects with acceptable duration and minimize the total cost of the project by selecting critical activities with adding optimum working hours for 3 hours per day.

From the results of the analysis, the optimum cost is Rp. 22,397,932,645,- and the optimum duration is 292 days, so that the cost efficiency is Rp. 91,596,790 or 0,0041% and the time efficiency is 78 days or 0.2110%.

**Keyword: Project Schedule Management, Acceleration, Microsoft Project, Crashing, Critical Path, Time Cost Trade Off.**