ABSTRACT

COMPARATIVE ANALYSIS OF THE ACCELERATION IMPLEMENTATION OF THE WORK REVIEWED FROM ADDITION OF THE LABOR WITH ADDITION HOURS OF WORK ON THE PROJECT CONSTRUCTION OF THE ITERA PHASE 1

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One of the aspects reviewed from the study of construction management in relation with acceleration of the implementation work are overtime system (additional hours of work), and also with the addition of labor system. Efficiency step in a project is a key in completing a job according the schedule determined with the determination way of the proper equipment as well as the use of cost and time of skilled and efficient in carrying out the work of a project.

Alternative acceleration used is the addition of labor and hours of work. Acceleration studies conducted with using the remains of the volume of work that has not been done on those items of work that comes from the completion of the ITERA project. Calculations using crashing with plans for 5 days duration of the acceleration from the normal duration of a 17-days so that it becomes 12 days. Further analysis conducted by of Time-Cost Trade Off.

From the analysis results the best methods and favorable is the acceleration by addition of labor method with a reduced duration of 5 days addition of costs of Rp. 527.760.000,00, or increasing of 15,67% from normal fee, with cost slope of Rp. 105.552.000,00. As for the method of adding working hours with a reduction in duration of 5 days and increasing costs of Rp. 635.671.875,00 or increasing of 18,87% from normal fee, with cost slope of Rp. 127.134.375,00.

Key words: acceleration, crashing, cost slope, time cost trade off.