WORKLOAD MONITORING PROYEK PEMBANGUNAN KAPAL FIBERGLASS 2X200 HP DENGAN METODE CPM, KURVA S DAN *FAST TRACK* (STUDI KASUS PADA PT. MERPATI MARINESERVICE)

Intan Nurjana

Abstrak

Dalam suatu proyek pembangunan, perencanaan kegiatan merupakan dasar untuk proyek bisa berjalan dan proyek yang dilaksanakan selesai sesuai dengan jadwal. Proyek pembangunan kapal fiberglass 2X200 HP di PT. Merpati Marine Service mengalami keterlambatan pelaksanaan proyek pembangunan kapal sehingga waktu penyelesaian dan bobot pekerja tidak sesuai dengan yang direncanakan. Oleh karena itu perlu dilakukan perhitungan durasi setiap kegiatan menggunakan metode CPM guna untuk menentukan waktu optimal untuk menyelesaikan proyek pembangunan kapal, perhitungan pembobotan pekerjaan dan persentase kumulatif berdasarkan Rencana Aggaran Biaya (RAB) menggunakan metode kurva S, serta melakukan perhitungan percepatan waktu pelaksanaan menggunakan metode *fast track* guna untuk mendapatkan hasil efisiensi biaya dan efektivitas waktu pada pelaksanaan proyek. Dari hasil analisis membuktikan bahwa setelah dilakukan penerapan *fast track* dapat memperkecil resiko pembengkakan biaya serta dapat memberikan keuntungan berupa penghematan waktu, efisiensi biaya proyek sebesar Rp. 1.890.000 atau sekitar 2,23% dan penghematan waktu sebesar 20 hari dari penjadwalan awal selama 132 hari menjadi 112 hari.

Kata Kunci : CPM, Kurva S, *Fast Track*

WORKLOAD MONITORING PROJECT DEVELOPMENT SHIP OF THE FIBERGLASS 2X200 HP WITH METHOD CPM, CURVA S AND FAST TRACK (CASE STUDY AT PT. MERPATI MARINE SERVICE)

Intan Nurjana

Abstract

In a development project, the planning activities is the basis for the project can walk and the project who done completed in accordance with the schedule. The project of development ship of the fiberglass in PT. Merpati Marine Service having a delay in implementation project of development ship so settlement time and weight of workers is not according as planned. Therefore need to calculation the duration in each activities wih using method of CPM in order to determining the optimum time for completing the project of development ship, calculation weight of workers and the percentage of cumulative based on the plan of budget cost using method of Curva S, and to do the calculation of acceleration time implementation using method of fast track in order to get results of the effeciency cost and the effectiveness of time in implementation of the project. From the result of analysis proving that after the application of a fast track get to minimize the risk of cost swelling and can provide benefits in the form of economizing time. From the result of analysis proving that after the application of fast track get to minimize the risk of cost swelling and get provide benefits in the form of economizing time, the effeciency cost of project as much as Rp. 1.890.000 or around 2,23% and economizing time as much as 20 days from the scheduling of beginning as long as 132 days become 112 days.

Key Word : CPM, Curva S, Fast Track