ANALYSIS OF CRASH PROGRAM APPLICATION TO SELF PROPELLED ACCOMMODATION BARGE HULL CONSTRUCTION

Writer’s name : Hidro Adrianto
ID number : 4308 100 068
Department : Ocean Engineering, Faculty of Marine Technology – Sepuluh Nopember Institute of Technology
Supervisor’s : Ir. Imam Rochani, M.Sc
Dr.Eng. Kriyo Sambodho, S.T., M.Eng

ABSTRACT

In a ship building contract of employement there will be much agreement related to ship building process. To reach building process in time and to get quality production that expected, so the order of ship building process must be fixed rationally and appropriated with production facilities that available in shipyard. In this final project, the writer will be analyzing application of crash program method for Self Propelled Accommodation Barge hull construction. Where the writer will accelerate building time from 130 days become 110 days. The application of crash program will influence to production cost, especially to direct labour cost. It because in a application of crash program needs additional time work (over time work) to some accelerated activities. From the analysis obtain that initial direct labour cost is Rp 210.887.500,- become Rp 219.187.500,-. Because compression of working time in 20 days so it will give an additional labour cost as much as Rp 8.300.000,-.

Keyword: Crash Program, Hull Construction, Network Planning