ANALYSIS OF TIME AND COST ON THE DEVELOPMENT OF  
HULL OUTFITTING LCU 300 DWT

Nama Mahasiswa : Rizka Widya Kusuma  
NRP : 4308 100 021 
Jurusan : Teknik Kelautan FTK – ITS 
Dosen Pembimbing : Ir. Imam Rochani, M.Sc  
Ir. Mas Murtedjo, M.Eng

ABSTRACT
In the implementation of the construction of a ship, it is necessary activities to plan, control and supervise the construction of the ship. In this study the authors will analyze the time and cost on the ship hull Outfitting Landing Craft Utility 300 DWT. To find out the schedule of the interdependence of the activities with other activities (Network Planning). After preparing network planning, the author will know the critical path in the activity. Outfitting hull activities will be accelerated for 6 days. Initial schedule of activities which was originally 71 days to 65 days. After getting a new schedule of activities, the author will count heavily on the existing parts of the hull in order to calculate Outfitting hours of each activity. Human resources is certainly very important to support these activities. With limited manpower at the shipyard, while that which must be taken into account to determine the amount of labor costs to be incurred in accordance with the requirements. Cost is also a matter that should be considered in these activities. If the activity is accelerated, the need for an additional charge for labor. As in this final production cost of the initial duration of Rp 138.48 million. While the cost of production after the duration accelerated by the number of regular workers, but to use overtime cost of Rp. 145.108 million, and the duration of the accelerated cost and increase the number of employees the fee is Rp.140.72 million.

Key words: Critical Path, Hull Outfitting, Network Planning, Landing Craft Utility