Abstrak

Many of modification on hull ship have been done to get an optimal speed. This modification is important because the fluid flow from hull ship can create an effective thrust. Especially begin from prow part until ship stern that flowed by fluid, is designed to maximize the thrust. Increasing the thrust, loss because of ship design can minimized. One of the methods to optimize the thrust is with installing Bow Lifting Body (BLB).

In this research, implementation study of Bow Lifting Body design in bow ship FPB-57 KRI PANDRONG (801), is needed to decrease ship arrest. It will added thrust, direct the fluid flow in optimal from bow until ship stern by using approach CFD (Computational Fluid Dynamics). The result can be showed an efficiency description from Bow Lifting Body (BLB) ship FPB-57 KRI PANDRONG (801). Without neglecting the functional value, it can increase thrust efficiency.

keyword: Trust, Lifting Force, Bow Lifting Body, FPB Ship, CFD.