Additional technical studies on the skeg patrol boats with 36 types of CFD methods

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Abstrak

In each of the flow of water in the hull to the stern of the ship, always wake / flow go (w) which is the difference between this ship wake speed would cause Va will always be smaller than the Vs. If(w) happens to resulted smaller(Va). That is become less and less the power required to push the boat (T) in order to achieve the desired speed will become more. Skeg is one form of modification is given at the stern of the ship with the aim of which aim to maintain stability of the ship when the ship traveling at high speed and help more smooth fluid flows through the hull and the propeller skeg above aft. Selain it also serves to add support for the shaft so that the shaft becomes more rigid and will not be bent when spun on lap tinggi. Dalam final task will be observed the effect of the addition of a patrol boat skeg on the type 36 with the help of CFD software ANSYS As with the data processing to obtain the desired results.

Keywords: Skeg, speed of advance (Va), Thrust (T), ANSYS