PLANNING OF FAST SHIP MISSILE TORPEDO WEAPONS SYSTEM 40 METER

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Abstract

Indonesia is a Archipelagic country that has many islands surrounded by a sea. About 70% of The territorial waters is ocean. Indonesian navy is divided into two major areas, namely western and eastern part. Supervision all of the waters is still lacking, it should be noted and maintained entirely by navy from outside influences or possible attacks from neighboring countries.

A 40 M vessel called as KCT 40 M is capable of conduct surveillance and security tasks, with main mission as ASW (Anti Submarine Warfare).

The analysis results discuss about ASW weapon (MK-46 Torpedo Active homing torpedo), the main dimension of planning boats (based on KCR 40 meter), preliminary design (LWT 110.802 tonnes and 110.035 tonnes DWT), linesplan (V-Hullform & deadrise angle 24°), general arrangement, application of stealth technology (flare and tumblehome design > 60), capacity plan (FOT 85.998 tons, 16.286 tons FWT, LOT 2.976 tons and 5.568 tons septic tanks), hydrostatic, Intact stability comply with IMO and UK Navy regulations.

Keywords: NKRI, KCT 40m, ASW, Regulation.