

**PERANCANGAN KAPAL GENERAL CARGO 11800 DWT
BERMUATAN BERAS DENGAN KECEPATAN 12.6 KNOT
UNTUK RUTE PELAYARAN TANJUNG PRIOK - SORONG
Tegar Panji Susila**

Abstrak

Kapal *General Cargo* adalah kapal yang mengangkut bermacam-macam muatan berupa barang. Barang yang dapat diangkut biasanya barang yang sudah dikemas. Kapal *General Cargo* dilengkapi dengan crane pengangkut barang untuk memudahkan bongkar-muat muatan. Perancangan kapal ini dikerjakan dengan menggunakan beberapa metode, yaitu metode kapal pembanding, metode rumus pendekatan, dan metode analisa grafik. Dengan begitu didapat ukuran utama kapal, yaitu Panjang Keseluruhan Kapal (LOA) = 134.97 m, Panjang Garis Air (LWL) = 129.56 m, Panjang Perpandikular (LPP) = 125.79 m, Lebar (B) = 18.22 m, Tinggi (H) = 10.72 m, Draft (T) = 7.90 m, CB = 0.77, CM = 0.98, CW = 0.84, CP = 0.78, dan Kecepatan Dinas = 12.6 knot.

Kata Kunci : Kapal *General Cargo*, Beras, Tanjung Priok, Sorong

**GENERAL CARGO 11800 DWT SHIP DESIGNING WITH
SPEED 12.6 KNOT FOR TANJUNG PRIOK SHIPPING ROUTE -
SORONG**

Tegar Panji Susila

Abstract

General Cargo ship is a ship carrying a variety of cargo of goods. Goods that can be transported usually goods that have been packaged. The General Cargo ship is equipped with a cargo carrier to facilitate loading and unloading. The design of this ship is done by using several methods, namely the method of comparison vessel, method of approach formula, and graphical analysis methods. (LOL) = 129.56 m, Perpendicular length (LPP) = 125.79 m, Width (B) = 18.22 m, Height (H) = The length of the vessel (LOA) = 134.97 m, 10.72 m, Draft (T) = 7.90 m, CB = 0.77, CM = 0.98, CW = 0.84, CP = 0.78, and Service Speed = 12.6 knots.

Keywords: General Cargo Ship, Tanjung Priok, Sorong