

## **Paper-JT- 009: Stability and Ship Motion Comparasion Analysis Between Curve and flat Pannel Ship as a Squid Catcher Equipment**

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### **ABSTRACT**

Shipbuilding technology is always evolving from year to year with the demands of both consumers and in terms of acceleration and ease of building process. Aspects of ship stability and ship motion also be a consideration with the aim of building the system in order to get the shipbuilding system more fast excellent and efisien. Flat panel plate ship is an idea from University of Indonesia (Tresno Hadi Wibowo, 2014) as an effective solution to reduce the cost and shipbuilding process efficiency. Flat panel plate ship will have different movements and different stability if compare with curved pannel plate. Past research has been carried out but only to discuss the ship's main dimension comparison (Sapto, 2014). This paper aims at comparing the results of flat panel ship plate design with curved plates ship in terms of stability and the ship motion of the ship. Output of this paper is produced conclusions regarding the comparison of stability and motion of the ship and determine if the vessel is operated according to which of the outer islands of Indonesia (Riau Islands and surrounding areas). Desain accordance with the conditions of the waters and currents will associated with the suitability of the design because the more it will improve the function of the vessel.

**Keywords:** flat panel ship plate, stability analysis, ship motion, ship design, ship technology.