

# **INVESTIGASI KM. SATYA KENCANA III PADA PROSES BONGKAR MUAT DI PELABUHAN KUMAI, KALIMANTAN TENGAH**

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## **ABSTRAK**

Kapal Motor Satya Kencana III memiliki trayek Tanjung Perak – Kumai mengalami insiden kecelakaan pada saat melakukan proses bongkar muat kendaraan, sehingga membuat Kapal Motor Satya Kencana III terbalik 90° di dermaga Kumai, Panglima Utar, Kalimantan Tengah. Pihak Komite Nasional Keselamatan Transportasi telah melakukan investigasi guna mengumpulkan data terkait terbaliknya Kapal Motor Satya Kencana III. Penelitian ini bertujuan untuk mengetahui penyebab terbaliknya Kapal Motor Satya Kencana III melalui analisis stabilitas layout ketika proses bongkar muat kapal. Analisis dilakukan dengan perangkat lunak *Maxsurf Modeller* untuk membuat kembali model kapal dan *Maxsurf Stability* untuk menganalisis stabilitas kapal ketika sedang proses bongkar muat.

**Kata Kunci :** Kecelakaan Kapal, Stabilitas, KM. Satya Kencana III

***INVESTIGATION OF KM. SATYA KENCANA III ON LOADING  
AND UNLOADING PROCESS AT KUMAI PANGLIMA UTAR,  
CENTRAL KALIMANTAN***

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***ABSTRACT***

*The Satya Kencana III Motorboat on the Tanjung Perak – Panglima Utar route experienced an accident during the loading and unloading process of vehicles, causing the Satya Kencana III Motorboat to capsize 90° at the Kumai pier, Panglima Utar, Central Kalimantan. The National Transportation Safety Committee has conducted an investigation to collect data related to the capsizing of the Satya Kencana III Motorboat. This study aims to find out the cause of the capsizing of the Satya Kencana III Motorboat through the analysis of layout stability during the loading and unloading process of the ship. The analysis was carried out with Maxsurf Modeller software to recreate the ship model and Maxsurf Stability to analyze the stability of the ship during the loading and unloading process.*

***Keywords:*** *Ship Accident, Stability, KM. Satya Kencana III*