

## Analisis keselamatan sistem operasi pelayaran rakyat dengan metode formal safety assessment = Safety analysis of traditional shipping operating system with formal safety assessment

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### Abstrak

Studi ini bertujuan untuk menilai keamanan armada pengiriman tradisional, untuk meningkatkan keselamatan operasional mereka. Pendekatan *Formal Safety Assessment* (FSA) diterapkan dalam penelitian ini. Indonesia masih bergantung pada kapal armada pengiriman tradisional. Bukan hanya karena dimensi mereka yang cocok untuk mengangkut kargo antar pulau, tetapi juga nilai sejarahnya yang menarik bagi wisatawan lokal dan mancanegara. Namun, karena konstruksi dan sistem operasionalnya, banyak bahaya yang dikandung dalam kapal armada pengiriman tradisional, beberapa di antaranya memiliki potensi risiko tinggi.

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The study is aimed to assess the safety of the traditional shipping fleet, in order to increase their operational safety. Formal Safety Assessment (FSA) approach is applied in the study. Indonesia still relies on traditional shipping fleet vessels. Not only because of their dimensions that are suitable for carrying cargo between the islands, but also their historical value that interest local and overseas tourists. However, due to their structure and operational system many hazards are conceived in Traditional shipping fleet vessels, some of them have high potential risks.