

Rancangan matriks risk assessment berbasis human factor pada sistem keselamatan kebakaran car deck kapal penyeberangan roll on roll off = Risk assessment matrix design based on human factor fire safety /systems on car deck ferry roll on roll off / Khaerunisa Sabitha

Khaerunisa Sabitha, author

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Abstrak

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Kebakaran dapat terjadi di kapal Ferry Ro-ro dengan daerah penyebab kebakaran yang variatif yaitu 63% kebakaran terjadi di kamar mesin dan 10% terjadi di dek kendaraan. Menurut mahkamah pelayaran RI, faktor penyebab kecelakaan di perairan 88% disebabkan oleh human factor. Metode dalam penelitian kualitatif deskriptif ini menggunakan metode HFACS. Penelitian ini akan menghasilkan suatu form assessment untuk pengecekan crew kapal yang dilakukan oleh seorang safety officer, matriks risk assessment untuk menentukan level risiko yang terjadi dalam sebuah insiden kebakaran dan form car deck risk assessment yang bertujuan sebagai penunjang analisa risk assessment

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**ABSTRACT**

Fires can occur in Roll On Roll Off Passenger Ferries with varied areas cause of the fire are 63% fire broke out in the engine room and 10% occurred in the car deck. According to Mahkamah Pelayaran RI, causes of accidents in the sea 88% are caused by the human factor. Methods in descriptive qualitative research method was using HFACS. The study will include an assessment form for checking crew of the vessel conducted by a safety officer, risk assessment matrix to determine the level of risk of an incident that occurred in the form of car deck fire and risk assessment aimed as supporting risk assessment analysis