CONCEPTUAL DESIGN OF USE OF CONTAINER AS VEHICLE STORAGE ON ROLL-ON ROLL-OFF VESSEL

Name : Irwan Tri Yunianto
Reg. Number : 4105 100 033
Department : Naval Architecture and Ship Building
Faculty of Marine Technology
Institut Teknologi Sepuluh Nopember
Supervisor : Dr. Ing. Setyo Nugroho.

ABSTRACT

Motorcycle quantity that’s used ferry line service has been increasing every years. It’s looks at Merak-Bakauheni, motorcycle production up into 26%, while at Ketapang-Gilimanuk short-sea is 22% per years.

Depend on this situations become innovation of modification container ideas as sav tool for Ferry. Because until this time motorcycle just gets a few part of vehicle cargo hold. With vehicle cargo hold depth is 4 m and motorcycle only 1,4 meter so many empty space above it. Benefit of this empty space is the purpose of studying this modification tool.

With modification container for keep motorcycle at Ferry can increase cargo hold capacity. Especially for increasing used of motorcycle in ferrylines. Whit this assumed the dimention and weight equal to vehicle group VI , ship operator revenue is increase over than 30%

Keywords: container, ferry line, modification, roll-on roll-off vessel