

ABSTRACT

Feasibility Analysis Of Overhead Crane Working On A Graving Dock I During Lifting Operations In PT Pelabuhan Indonesia III (persero) Unit Shipping Surabaya

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PT Pelabuhan Indonesia (Persero) Unit Shipping Surabaya has 3 overhead crane facility. In the development of overhead cranes, especially in graving dock I can not work optimally in accordance with its capacity to meet the demand for lifting anything that weighs big, and reach places that would otherwise be accessible. And also in operation is very dangerous for operator, worker around, around objects and objects removed.

In field research the feasibility of this project will be more focused on the structure of the girder and cross travel of overhead crane girder by girder calculations on the structure and the forces that happen to travel cross girder.

By knowing the capacity and capability of an overhead crane, then the performance of an overhead crane can be optimized in accordance with the limits prescribed in the calculation overhead crane. So that later can work safely and optimally.

Key Words : Graving dock, overhead crane, girder, cross travel girder