ABSTRACT
THE ADJUSTMENT OF DESIGN DRAWINGS BASED ON FIELD
SURVEY IN TUG BOAT PERSADA XI

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Tug Boat "Persada XI" is a ship owned by PT. Persada Lines which support Oil Barge boat operating in the rivers of Kalimantan area. The process of ship construction was supervised by BKI class. In the development of this vessel, it will be operated in international waters so it will use the international class of RINA. To obtain a RINA certificate, the ship must undergo examination by the construction of the original design drawings. In this examination, RINA found differences between the design drawings with the finished construction including the construction of the deck, so there should be adjustments to the design drawings with the finished construction.

Therefore, the design drawings should be adjusted. To make adjustments, the construction of the deck should be re-examined. Inspection is done by measuring the position and dimensions of the profiles used. In the measurement, the differences of longitudinal side girder and longitudinal dimensions of center girder between the initial and the actual construction drawings were found. Therefore, these drawings must be adjusted to actual construction.

The data results of the investigation shows the difference of the longitudinal position and dimensions of the longitudinal center side girder. Thus, the longitudinal construction plan drawings in which there were drawings of longitudinal side girders and longitudinal center girder had to be adjusted. The adjustment of the longitudinal construction plan drawings must also have an impact on the design drawings such as construction of longitudinal profile, transverse section, sky light detail and general arrangement. Therefore, those drawings also have to undergo adjustments based on changes in longitudinal construction plan drawings.

Key words: Design Drawings; Adjustment; Tug Boat Persada XI