ANALISIS QUALITY CONTROL OF THE PROCESS WELDING N8604 KASIM’S SHIP IN PT DOK AND PERKAPALAN SURABAYA

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Abstract
Dock and Boating PT Surabaya is the state-owned enterprises engaged in manufacture and ship repair industry. Outstanding design capabilities of the PT Dock and Shipping nasjonall Surabaya has entered the market. Dock and Boating PT Surabaya in maintaining the production quality requires knowledge of quality control. Therefore, this final project examines the quality of the welding process using control charts DeMerit, welding process capability analysis and followed by estimating the additional costs to the Oil Thanker Kasim shipbuilding in 8604 N PT Dock and Shipping Surabaya. Examination of the welding connection is done using test beam radiography (X-ray). Welding inspection by radiography test is taken only on the type of butt joint connection of the vessel shell, main deck and tank top. The results obtained by analysis and discussion that in the shell, main deck and tank top new welding process is statistically controlled when iteration 2. Pada the shell, main deck and tank top welding process is said to be capable for the performance index is less than satu. Taksiran additional cost of shipbuilding Kasim N Oil Tanker 8604 is Rp 12.2 million

Key Words : Map of Demerit Control, Process Capability, Estimated Cost and Welding Processes