sQUALITY CONTROL ANALYSIS OF THE CHEMICAL TANKER/DUPLEK M000259 SHIPBUILDING WELDING PROCES IN PT.PAL INDONESIA

Name : Selfy Atika Sary
NRP : 1307 030 053
Department : Dipl. III Statistika FMIPA-ITS
Supervisor : Dra. Lucia Aridinanti, M. S

Abstract

PT. PAL of INDONESIA represent one of biggest manufacturing business in Indonesia which active in heavy industry with shipbuilding specialization as especial product. Location of PT. PAL Indonesia in region tip of Surabaya, East Java. Many process which need to be paid attention in shipbuilding one of them process of welding. in course of welding there two possibility of obtained result that is result of welding as according to result or standard of welding there are defect. Quality Assurance represent part of handling inspection in course of welding. The conducted by using so called appliance of Radiography Test where with conducted test will know do in course of handicap there are handicap and also earn [his/its] defect type diketahu. As for existing defect type Crack, Slag Lino, Incomplete Penetration, Lack Of Fusion, Slag Inclusion, Porosity. Therefore conducted research concerning operation of quality process pengelasan of shipbuilding of Duplex M000259 by using map of wight u or map of Demerit as a means of control with know do process of welding in control statistically or not and also know of expense if process of welding defect. Pursuant to conducted analysis hence obtained conclusion that Process of welding can be told total cost kapabel and expense of needed to repair in making of Shipbuilding Of Duplex M000259 is Rp 12.279.000,-

Keyword: Defect Type, Map of wight u, Expense of.