QUALITY CONTROL IN THE MANUFACTURING PROCESS OF STEEL PLATE IN PT. GUNAWAN DIANJAYA STEEL TBK BY USING CONTROL CHART U

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Abstract

PT. Gunawan Dianjaya Steel Tbk is a joint-stock company which manufactures rolled steel plate in a way. All production run with the machines so that when the production process may result in defective products. In an effort to control the production process it is needed control chart U to know the results. As for knowing the capabilities of the process, the shift process, the most dominant defect, as well as the root causes of defects in the manufacturing process of the steel plate used analysis The process capability, process shift, Paretto charts, and diagrams ishikawa. The data used is the data plate defects during the manufacturing process of steel plate in the PT. Gunwanan Dianjaya Steel Tbk in January and February 2014. Defect type used is short width, short length, chamber, scale, and run wavey. Results obtained from the analysis of that production in January and February 2014 are not yet capable and experienced a shift in the process with the most dominant type of defect that is short width and scale. While the root causes of defects are age slab, employee fatigue, lack of concentration, temperature, and machines.

Keywords : Steel Plate, Control Chart U, Process Capability, Process Shift, Paretto Chart, Ishikawa Chart.