

# **Analisis Perbaikan Cacat Produk *Pulley* Pada Proses Produksi Dengan Pendekatan *Seven Tools* Di PT. Mitra Rekatama Mandiri”**

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## **ABSTRAK**

PT. Mitra Rekatama Mandiri merupakan perusahaan yang berkiprah dalam bidang industri manufaktur Pengecoran logam yg terletak di jalan Koperasi Baja No. 02 Ceper, Klaten, Jawa Tengah. PT. Mitra Rekatama Mandiri memproduksi berbagai kebutuhan industri satunya adalah *pulley*, di bulan 1 Februari – 28 Februari 2023 perusahaan memproduksi 1.728 *Pulley*. pada setiap proses produksinya masih terdapat produk yang cacat. Dalam penelitian ini bertujuan untuk mengetahui faktor-faktor penyebab cacat dan mengetahui jenis cacat tertinggi produksi pada produk *pulley*. Penelitian ini menggunakan Metode *Seven Tools* untuk menyelesaikan masalah. Metode *seven tools*, menggunakan tujuh alat pengendalian kualitas yaitu *Check Sheet*, *Stratifikasi*, *Histogram*, *Scatter Chart*, *Control Chart*, *Pareto Chart*, dan *Fishbone Chart*. Dari hasil perhitungan dan analisis menggunakan *Seven Tools* terdapat tiga jenis *cacat* produk yaitu cacat mengngle ,rantap, cacat kropos, yang masing-masing memiliki tingkat persentase cacat yang berbeda. Cacat mengngle sebesar 31,7%, cacat rantap sebesar 33,5%, dan cacat kropos 34,8%. Usulan perbaikan adalah membuat tabel 5W + 1H untuk menetahui rencana tindakan yang harus dilakukan.

**Kata kunci:** *Pulley*, Produk cacat, *Seven Tools*, Pebaikan

# ***Analysis of Repair of Pulley Product Defects in the Production Process Using the Seven Tools Approach at PT. Mitra Rekatama Mandiri”***

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## ***ABSTRACT***

*PT. Mitra Rekatama Mandiri is a company engaged in the metal casting manufacturing industry which is located on Jalan Koprasi Baja 02 Ceper, Klaten, Central Java. PT. Mitra Rekatama Mandiri produces various industrial needs, one of which is pulleys. From 1 February to 28 February 2023 the company produced 1,728 pulleys. In every production process there are still defective products. This study aims to determine the factors that cause defects and determine the highest type of production defects in pulley products. This study uses the Seven Tools Method to solve the problem. The seven tools method uses seven quality control tools which are Check Sheet, Stratification, Histogram, Scatter Chart, Control Chart, Pareto Chart, and Fishbone Chart. From the results of calculations and analysis using Seven Tools, there are three types of product defects, which are scraping defects, sharp defects, and porous defects, each of which has a different percentage level of defects. The defects were 31.7%, the defects were multiplied by 33.5%, and the defects were 34.8%. The proposed improvement is to make a 5W + 1H table to find out the action plan that must be carried out.*

*Keywords: Pulley, Product defect, Seven Tools, Repair*

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