

## ABSTRAK

Perkembangan teknologi yang digunakan pada sebuah perusahaan semakin maju dan komplek sesuai dengan perkembangan zaman, dengan demikian perawatan harus selalu diperhatikan untuk kelancaran proses produksi. PT. CIPTAUNGGUL KARYA ABADI adalah salah satu perusahaan yang bergerak dibidang *Manufacture of Metal Stamping Parts, Tools and Dies*. Penelitian ini bertujuan untuk meningkatkan produktifitas pada mesin bubut di PT. CIPTAUNGGUL KARYA ABADI. Dengan judul penelitian “PENERAPAN *TOTAL PRODUKTIVE MAINTENANCE* PADA BAGIAN MESIN BUBUT DI PT. CIPTAUNGGUL KARYA ABADI”. Dengan menggunakan metode *overall equipment effectiveness* penulis dapat mengetahui faktor dari *six big losses* pada bagian mesin bubut. Setelah melakukan penelitian bagaimana kondisi perawatan pada mesin bubut di PT. Cipta Unggul Karya Abadi didapat nilai rata – rata perhitungan *overall equipment effectiveness* sebelum perbaikan adalah 44,80%. Dan setelah melakukan perbaikan dari usulan yang penulis ajukan kepada perusahaan didapat nilai rata – rata perhitungan *overall equipment effectiveness* yaitu 67,68% dimana mengalami kenaikan setelah perbaikan dilakukan. Penyebab yang terjadi pada nilai *losses* terbesar yang menyebabkan nilai OEE rendah dan membuat kerugian bagi perusahaan adalah *reduced speed losses* yaitu sebesar 39,66%. Karena operasional produksi berjalan lebih lambat dari waktu ideal.

**Kata kunci:** *maintenance, total productive maintenace, mesin bubut, overall equipment effectiveness, six big losses.*



## **ABSTRACT**

*The development of technology used in a company is more advanced and complex in accordance with the times, so that care must always be considered for the smooth production process. PT. CIPTAUNGGUL KARYA ABADI is one of the companies engaged in the Manufacture of Metal Stamping Parts, Tools and Dies. This study aims to increase productivity in the lathe at PT. COPYRIGHT WORKS ABADI. With the research title "APPLICATION OF TOTAL PRODUCTIVE MAINTENANCE IN LATHE MACHINE PARTS IN PT. COPYRIGHT OF WORK ABADI ". By using the overall equipment effectiveness method the writer can find out the factors of six big losses in the lathe. After conducting research how the maintenance conditions on the lathe at PT. Cipta Unggul Karya Abadi obtained the average value of the overall equipment effectiveness calculation before improvement was 44.80%. And after making improvements from the proposals that the authors propose to the company the average value of the overall equipment effectiveness calculation is 67.68% which has increased after the repair is done. The cause that occurs in the largest value of losses that causes a low OEE value and makes a loss for the company is reduced speed losses that is equal to 39.66%. Because production operations run slower than the ideal time. Keywords: maintenance, total productive maintenance, lathe, overall equipment effectiveness, six big losses.*

