

## ABSTRACT

*PT Bando Indonesia is one of the leading automotive and industrial transmission belt manufacturers in Indonesia. PT Bando Indonesia does not yet have a good engine maintenance system so that damage to the engine often occurs. Maintenance is an activity to maintain facilities, machinery and factory equipment, make improvements, adjustments or replacements needed so that there is a condition of satisfying production operations as expected. The research method used is reliability centered maintenance. The Reliability Centered Maintenance method is used to determine the maintenance time interval activity. Getting maintenance component maintenance intervals must be maintained (preventive maintenance) within 36 days. The mandrel component must be maintained (preventive maintenance) within 17 days. The Joint ADR component must be maintained (preventive maintenance) within 26 days.*

*Keywords : Reliability Centered Maintenance, Total Minimum Downtime, Maintenance Intervals, RCM , Maintenance*

## ABSTRAK

PT Bando Indonesia adalah salah satu produsen sabuk transmisi tenaga otomotif dan industri terkemuka di Indonesia. PT Bando Indonesia belum memiliki system perawatan mesin dengan baik sehingga sering terjadi kerusakan pada mesin. Perawatan adalah kegiatan untuk memelihara fasilitas, mesin dan peralatan pabrik, mengadakan perbaikan, penyesuaian atau penggantian yang diperlukan agar terdapat suatu keadaan operasi produksi yang memuaskan sesuai apa yang diharapkan. Metode penelitian yang digunakan adalah *Reliability Centered Maintenance*. Metode *Reliability Centered Maintenance* ini digunakan untuk menentukan kegiatan interval waktu perawatan. Didapatkan interval perawatan komponen *Pitch Cord* harus dilakukan perawatan (*preventive maintenance*) dalam waktu 36 hari . Komponen *Mandrel* harus dilakukan perawatan (*preventive maintenance*) dalam waktu 17 hari sekali. Komponen *Joint Adr* harus dilakukan perawatan (*preventive maintenance*) dalam waktu 26 hari sekali.

Kata Kunci : *Reliability Centered Maintenance*, Total Minimize *Downtime*, Interval perawatan, RCM , *Maintenance*