

ABSTRAK

PT. Multi Bintang Indonesia Tbk bergerak dalam bidang industri pembuatan minuman, dimana perusahaan tersebut berproduksi berdasarkan besarnya permintaan dari customer yang merupakan kantor-kantor pemasaran yang telah tersebar berbagai daerah di Indonesia. Dalam tahap proses *packaging* di PT.MBI melalui dengan 3 line diantaranya *racking line*, *canning line*, *bottling line*.

Pada proses pengalengan hingga pengepakan yang ada *canning line* terdapat beberapa mesin yang digunakan secara terus menerus, antara lain mesin depalletizer, mesin Filler, mesin can seamer, mesin Pasteurizer, mesin FLD, mesin Wrap Around, mesin Shrink Wrap. karena besarnya permintaan dari customer yang tiada henti, oleh sebab itu kehandalan dari suatu mesin yang ada dibagian *canning line* tersebut merupakan ujung tombak suatu produktifitas pada perusahaan.

manajemen pemeliharaan yang telah diterapkan oleh PT. MBI yaitu 90 % bersifat *preventive maintenance* yakni melakukan pengecekan yang bersifat rutin, Sisanya 10% bersifat *correctif maintenance* yakni pihak engineering melakukan *overhaul* pada seluruh mesin setiap satu tahun sekali.

Adapun Tingkat kehandalan yang dimiliki mesin, depalletizer yaitu sebesar 44%, Filler yaitu sebesar 46,3%, can seamer yaitu sebesar 46,3%, Pasteurizer yaitu sebesar 53,8%, FLD yaitu sebesar 48%, Wrap Around yaitu sebesar 49,7 %, dan Shrink Wrap yaitu sebesar 40,6 %.

Kata Kunci: *canning line*, *preventive maintenance*, *corrective maintenance*, tingkat kehandalan mesin.

ABSTRACT

PT. Multi Bintang Indonesia Tbk is engaged in the manufacture of beverage industry, where the company's production is based on the amount of demand from customers that are marketing offices that have been scattered in various regions of Indonesia. In the process of packaging in PT.MBI stage through the 3 line, including: racking line, canning line, bottling line.

In the canning process to packaging the existing canning line, there are some machines that are used continuously, among other Depalletizer machine, filler machine, can seamer machine, pasteurizer machine, FLD machine, Wrap Around machine, Shrink Wrap machine. because of the demand of the customer is relentless, and therefore the reliability of a machine that is at the canning line that represents the cutting edge of productivity in an enterprise.

maintenance management which has been applied by PT. MBI is 90 % which is preventive maintenance checks that are routine, remaining 10 % are corectif maintenance, namely the engeneering overhaul the entire engine once a year.

As for the level of reliability that is owned machines, Depalletizer ie by 44%, amounting to 46.3 % filler, can seamer is equal to 46.3 %, amounting to 53.8 % pasteurizer, FLD is equal to 48 %, Wrap Around is equal to 4.7 %, and Shrink Wrap is equal to 40.6 %.

Keywords: canning line, preventive maintenance, corrective maintenance, machine reliability level.