

ABSTRAK

Penelitian ini akan membahas masalah persediaan di PT. MKIR kerap kali mengalami kendala kekurangan ketersediaan *spare parts* pada saat jadwal *preventive maintenance* tahun 2019 mayoritas tidak mencapai standart ketersediaan yang ditetapkan oleh perusahaan sebesar 80%. Dari keseluruhan *spare parts* yang digunakan oleh PT. MKIR untuk *preventive maintenance spare parts V-belt* yang sering mengalami kekurangan. Atas dasar permasalahan tersebut, maka dalam penelitian ini akan dibahas mengenai pengendalian persediaan *spare part V-belt* menggunakan metode ABC analisis untuk mengelompokan 40 *spare parts V-belt* mana saja yang sering mengalami kekurangan selanjutnya akan digunakan metode min-max stock. Dari analisis pengendalian *spare part v-belt* menggunakan metode ABC analisis dan Min-Max Stock, diketahui terdapat 8 komponen yang termasuk dalam kategori A. Untuk *spare part V-belt C-394* nilai minimum stock 5 Pcs, maksimum stock 8 Pcs, *V-belt C-345* minimum stock 9 Pcs, maksimum stock 14 Pcs, *V-belt C-316* nilai minimum stock 10 Pcs, maksimum 17 pcs. *V-belt C-314* nilai minimum stock 15 Pcs, maksimum stock 23 Pcs. *V-belt C-285* nilai minimum stock 9 Pcs, maksimum stock 15 Pcs. *V-belt C-225* nilai minimum stock 7 Pcs, maksimum stock 10 Pcs. *V-belt C-210* nilai minimum stock 4 Pcs, maksimum stock 6 Pcs. Dan *V-belt C-180* nilai minimum stock 13 Pcs, maksimum stock 23 Pcs.

Kata kunci: Pengendalian persediaan, *V-belt*, *Analysis ABC*, *Metode Min-Max*.

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ABSTRACT

This study will discuss the problem of supplies at PT. MKIR often suffers from a shortage of spare parts in the 2019 preventive maintenance schedule that does not reach the 80% standard of availability. Of the total spare parts used by PT. MKIR for preventive maintenance of V-belt spare parts that often experience shortages. On the basis of these problems, the research will discuss the inventory of V-belt spare parts using the ABC analysis method to classify 40 V-belt spare parts which often experience shortages, then the min-max inventory method will be used. From the analysis of v-belt spare part control using the ABC analysis and Min-Max Stock method, it is known that there are 8 components included in category A. For spare parts V-belt C-394 minimum stock value is 5 Pcs, maximum stock is 8 Pcs, V- belt C-345 minimum stock 9 Pcs, maximum stock 14 Pcs, V-belt C-316 minimum stock value 10 Pcs, maximum 17 pcs. V-belt C-314 minimum stock value of 15 Pcs, maximum stock of 23 Pcs. V-belt C-285 minimum stock value of 9 Pcs, maximum stock of 15 Pcs. V-belt C-225 minimum stock value of 7 Pcs, maximum stock of 10 Pcs. V-belt C-210 minimum stock value of 4 Pcs, maximum stock of 6 Pcs. And V-belt C-180 minimum stock value is 13 Pcs, maximum stock is 23 Pcs.

Keywords: Inventory control, V-belt, ABC Analysis, Min-Max Method.

