

PERENCANAAN DAN PENGENDALIAN PRODUKSI PT."XXX"

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Abstrak

PT. "XXX" adalah perusahaan manufaktur yang bergerak dibidang garment dengan hasil produksinya adalah celana. dimana Perencanaan produksi maupun pengendalian persediaan di PT. "XXX" masih dilakukan dengan sangat sederhana yakni berupa intuisi dari pemilik. Sehingga sering kali perusahaan mengalami kendala dalam proses pemenuhan permintaan baik itu kelebihan maupun kekurangan produk akhir akibat permintaan yang tidak pasti. Sebagai antisipasi terhadap hal tersebut maka perlu dilakukan perhitungan peramalan permintaan untuk mengetahui model peramalan yang terbaik dan jumlah permintaan produk, membuat jadwal induk produksi pembuatan celana yang sistematis, dan membuat perencanaan/pengendalian bahan baku yang sesuai dengan jadwal yang sudah dibuat.

Berdasarkan hasil penelitian diperoleh metode peramalan terbaik, yaitu seasonality analysis, dimana hasil peramalan untuk 7 periode ke depan dengan rata-rata jumlah permintaan tiap periode celana panjang sebesar 417,15 lot dimana produksi tertinggi terjadi pada bulan Juli 2013 dan terendah terjadi pada bulan Agustus 2013. Sedangkan produksi rata-rata tiap periode untuk item celana pendek 298 lot dengan jumlah produksi tertinggi terjadi pada bulan Juli 2013 dan terendah terjadi pada bulan Agustus 2013.

Sedangkan untuk perencanaan/pengendalian bahan baku dilakukan dengan menggunakan metode MRP selama 7 periode mendatang Dimana Rata-rata kebutuhan bersih bahan baku tiap periode untuk celana panjang jadi sebanyak 1460 celana, celana pendek jadi sebanyak 824 celana, celana (panjang) sebanyak 1444 celana, celana (pendek) sebanyak 816 celana, Black XX sebanyak 77,89 kg Meta OB 41,28, kaporit sebanyak 17,35 kg, Bio sebanyak 6,73 kg, Cuka sebanyak 6,39 kg, Kancing sebanyak 2198 pcs, Celana polos (panjang) sebanyak 1435 pcs, Celana polos (pendek) sebanyak 807 pcs, Merk sebanyak 2155 pcs, Pola A C.panjang sebanyak 1435 lembar, , Pola A C.pendek sebanyak 807 lembar, , Pola B C.panjang sebanyak 1435 lembar, , Pola B C.pendek sebanyak 807 lembar, Resleting sebanyak 2164 buah, Pola E sebanyak 4485 lembar, Pola C C.panjang sebanyak 1435 lembar, Pola C C.pendek sebanyak 807 lembar, Pola D C.panjang sebanyak 1435 lembar, Pola D C.pendek sebanyak 807 lembar, Pola F sebanyak 4485 lembar, Belt/cim-cim sebanyak 2242 ptg, Kain levis sebanyak 136,69 rol, Kain cotton sebanyak -0,01ptg.

Kata kunci : celana, Perencanaan dan Pengendalian Produksi, Material Requirement Planning (MRP),jadwal induk produksi,

PRODUCTION CONTROL AND PLANNING AT PT. “XXX”

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Abstract

Pt. 'X' is a manufacturing company in garment field which is a pants as product. which the production planning and inventory control in the Pt. 'X' is still product in a very simple or ordinary that is from the owner intuition it self. So that the companies having often difficulties on the process of fulfilling the request include the excess or lack of the final products due to uncertain demand. In anticipating of this matter it is necessary to having demand forecasting calculations to determine the best forecasting model and the amount of demand for the product, make a master production schedule for making systematic pants, and planning or control of raw materials which according to the schedule that have been made.

Based on the results obtained the best forecasting method, that is a seasonality analysis, where is the results of forecasting future for 7 periods onwards with an average number of requests each period for trousers in amount of 417.15 lot which is the highest production is occurred in July 2013 and the lowest in August 2013. While the average of production each period for shorts pants item number is 298 lots with the highest production is occurred in July 2013 and the lowest in August 2013.

Whereas for the planning / control of raw materials its do by using the MRP method for further 7 periods which is the average of raw material each period for pants is as much as 1460 pants, 824 for shorts pants, 1444 for pants (long), and 816 for (short) pants, Black XX as much as 77.89 kg Meta OB 41.28, 17.35 kg for the chlorine, 6.73 kg for Bio, 6.39 kg for Vinegar, 2198 pieces for button, plain pants (long) is 1435 pieces, plain pants (short) is 807 pcs, and for a brand is 2155 pieces, A C long Pattern are 1435 sheets, A C short pattern 807 sheets, B C long Pattern 1435 sheets, B C short Pattern 807 sheets, 2164 pieces for zippers, 4485 sheets for E Pattern, C C long pattern 1435 sheets, C C short pattern 807 sheets, D C long pattern 1435 sheets, D C short pattern 807 sheets, and for F pattern as much as 4485 sheets, for Belt / cim cim 2242 pieces, levis cloth / fabric as much as 136.69 roll, and then cotton cloth / fabric as much as 0.01 pieces.

Keywords: pants, production planning and control, Material Requirement Planning (MRP), master production scheduling.