

ABSTRAK

Nickie Aulia Nerti Pane, NIM 4182230003 (2018). Penerapan Metode *Assignment Hungarian* Dalam Menentukan Optimalisasi Penugasan Waktu Kerja PT. Sinar Sosro

Di era globalisasi saat ini, perkembangan industri dan teknologi semakin pesat serta tingkat persaingan antar perusahaan semakin meningkat dan semakin ketat. Keadaan ini menyebabkan perusahaan harus mampu bersaing untuk mempertahankan usaha yang dikelolanya. Pada PT. Sinar Sosro, penugasan karyawan belum maksimal karena terjadi ketidakseimbangan antara jumlah karyawan dengan jumlah pekerjaan pada mesin. Tujuan penelitian ini untuk mengoptimalkan waktu kerja dalam penugasan operator karyawan agar total waktu penyelesaian pekerjaan dapat diminimumkan sehingga jumlah produksi meningkat, dengan menentukan setiap operator karyawan hanya mengerjakan satu penugasan saja. Metode yang digunakan untuk menentukan masalah penugasan yaitu Metode *Assignment Hungarian*. Berdasarkan hasil penelitian penugasan waktu kerja 6 operator karyawan menggunakan Metode *Hungarian* menghasilkan waktu total optimal penyelesaian penugasan sebesar 73 menit. Sedangkan waktu total penyelesaian penugasan sebelum menggunakan Metode *Hungarian* sebesar 62 menit.

Kata kunci: Masalah Penugasan, Metode *Hungarian*, Waktu Kerja, Produktivitas

ABSTRACT

Nickie Aulia Nerti Pane, NIM 4281230003 (2018). Implementation Of The Assignment Hungarian Method In Determining Optimization Working Time Assignment of PT. Sinar Sosro

In the era of globalization, industrial and technological developments are increasingly rapid and the level of competition between companies is increasing and getting tighter. This situation causes companies to be able to compete to maintain the business they manage. At PT. Sinar Sosro, employee assignments have not been maximized because there is an imbalance between the number of employees and the amount of work on the machine. The aim of this research is to optimize working time in the assignment of employee operators so that the total work completion time can be minimized so that the amount of production increases, by determining that each employee operator only does one job. assignment only. The method used to determine assignment problems is the Hungarian Assignment Method. Based on research results, the assignment of working time for 6 employee operators using the Hungarian Method resulted in an optimal total time for completing assignments of 73 minutes. Meanwhile, the total time for completing assignments before using the Hungarian Method was 62 minutes.

Keywords: Assignment Problem, Hungarian Assignment Method, Working Time, Productivity