

ABSTRACT

PENJADWALAN MOBIL DENGAN METODE H_1 UNTUK MENGURANGI WAKTU MENGANGGUR MOBIL MILIK CV NIRWANA

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CV Nirwana is a company which engages on expedition field and located at 2 cities, Palembang and Jakarta. At Palembang, many shops use the service from CV Nirwana because most of these shop things are from Jakarta. CV Nirwana has 12 trucks which 7 of them are originally owned by the company and the rest of 5 trucks are from rental service. It is because the company has limited resource while there are so many things to be delivered. CV Nirwana did not set the schedule system for the trucks in one week and it caused a stir with the amount of trucks between the company's trucks and the rental ones. It caused many trucks from CV Nirwana were left out without any working operation because the rental ones got in work a lot of times. Besides, the payment for the rental trucks and the company's ones cost different. The revenue for rental trucks is bigger than the owned ones and if the rental trucks got in more than the owned ones, the revenue will be also certainly bigger. The purpose of this research is to set a schedule for the trucks to reduce the unoperated time for CV Nirwana's trucks and the amount revenue to be paid for CV Nirwana. The scheduling is done by applying H_1 method and based on the steps which have been decided. After the scheduling applied, it can be seen that the 7 original owned trucks are able to do all jobs without depending on the rental trucks. The result of the scheduling shows that the schedule for the trucks become more stable. Then, the inactivity time for the trucks becomes reduced as it can be seen from gantt chart which has been created. The overall time from 3268,8 hour has become 1296,75 hour which means that the time is reduced for 60.33% in percentage. The revenue for the trucks also become lessened for 16.86% from Rp 109.150.000,00 to Rp 90.750.000,00. These results show that the company can gain more profit than before.

Keywords : Scheduling, H_1 Method, Gantt Chart, job.