

ABSTRACT

PT. Pindad (Persero) which is located at Jalan Canal Gatot Subroto No. 517 Kebon Kangkung, Sukapura, Kec. Kiaracondong, Bandung City, West Java is an industrial company engaged in the manufacture of military and commercial products in Indonesia. Production capacity planning using conventional methods carried out by the Machining division in the Kendaraan Khusus division of PT. Pindad (Persero) causes the available production capacity to be unbalanced with requirement capacity, causing a shortage of production capacity in several periods which causes Rampdoor production to not reach the production target. Therefore, it is necessary to improve production capacity planning to overcome the problem of not achieving the Rampdoor production target. Improved capacity planning for Rampdoor production using an application that can calculate available capacity and required capacity before production takes place using the Bill Of Labor Approach (BOLA) method. With the help of the application, the user can find out whether the production demand can be met or not by the available capacity. The results of the application are in the form of available capacity, capacity requirements, status indicating sufficient production capacity or not, capacity differences, and the need for overtime work. Based on calculations and analysis, it was found that there was a shortage of production capacity in February, March, April, May, June, and August.

Keywords : Production Capacity Planning, Rough Cut Capacity Planning (RCCP)