PERENCANAAN JUMLAH TENAGA KERJA PRODUKSI DI CV. SINAR DELI UTAMA - MOJOKERTO

Name : Zaskia Pricillia Permana
NRP  : 2507100015
Department : Industrial Engineering
Supervisor         : Prof. Ir. I Nyoman Pujawan, M.Eng., Ph. D.
Co-Supervisor : Niniet Indah Arvitrida, S.T. , M.T.

Abstract

In production management, raw materials and labour procurement are one of important factor to produce a good product in time. CV. Sinar Deli Utama (CV. SDU) is a handicraft company which produce shopping bag as one of their products. However, there are no exact numbers on the existing workforce. This can lead to longer production process and even delay. Delay in the production process can be minimized by proper production planning. Using an appropriate amount of labour to the number of orders (demands) is one of the solution. Generating demand is processed using optimization model with LINGO software. Time used is the time based on Capacity Requirement Planning (CRP) method. After calculation, then three workforce planning scenarios are designed.

From the results of LINGO, three scenarios have been made which are using fixed labour and 3 months contract labour, fixed labour and 6 months contract labour, and the combination from previous scenarios. The cheapest scenario is combination of 3 months and 6 months contract labour.

Keywords: Workforce Planning, Capacity Requirement Planning (CRP), Optimization
(Halaman ini sengaja dikosongkan)