

Abstract

PPC (production and planning control) or PPIC (production planning and inventory control) department is responsible for products availability in a manufacturing company. Production process interpreted as activity about how making product become from raw material entangling machine, energy, technique knowledge and others [1].

One of activities which is PPC department's responsibility is master production scheduling (MPS). MPS is a detailed plan about what kind of unit and how many units that should be produced in an interval for each product item.

One of common method that can be used for master production scheduling is linear goal programming. This method is a variant from linear programming. Common objective by using linear programming is to minimize cost or minimize revenue. Linear goal programming use objective priority and weightiness structure. Those objectives whose higher level should be accomplished until reach the unimprovable state, until optimum solution is gained.

Keyword: master production scheduling (MPS), linear goal programming