ABSTRACT

Production and Planning Control
The Making Of Ballast Export A-1 Product
(Case Study at Pt. Nikkatsu Electric Work Bandung)

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Manufacturing control inculpate all of activities start from entering raw material become finished goods. Activities in production planning covered: process planning, master production schedule, requirement material planning, capacity planning, controlling production activity (shoop floor)

PT. Nikkatsu Electric Work operating on industrial manufactur sector and play a part in development of national economic in real sector which produce import although export product, that in great quantity ask worker implement partnership program with low industry. PT Nikkatsu Electric Work doing factory expansion and varian product development such as: Ballast 10 – 40w, Transformer 1VA-35KVA, Energy provident lamp 5W-65W and etc.

In this thesis research, the object that be examined is Ballast A-1, that this Ballast A-1 have 40 watt power, 127 volt voltage, and 40 Hz frequency. This Ballast A-1 be exported to Egypt.

Production and Planning Control of Ballast A-1 covered: Forecasting for next 1 year regarding the plot of demand 12 periods ago, counting of production aggregate planning, determine Master Production Schedulle (MPS), counting of lotting and Material Requirement Planning (MRP)

From the result of research, we can see production planning that have minimation cost criteria, production capacity to do Master Production Schedulle, quantity of material requirement also the time of order or production to meet a demand of finished goods regarding Master Production Schedulle, determine the rate of minimal requirement for each material that be needed, also determine of doing oder planning that means, MRP can give indication when to order or cancel the order should do.

Key words: Forecasting, Aggregate Production Planning, Master Production Schedulle, Lotting, Material Requirement Planning