

ABSTRACT

Line Balancing is a process for made continous production line in order every workstation can work pararely. As Elsyad said :” Production line where material move continously at average speed through many workstation, where assembly is done”.

At doing its production PT. KMK Global Sports which based of production continous flow shop where n job have same flow even his product is different, sometime having production delay at one department or maybe one workstation, it showed by a large bottleneck at one proseses which caused by not appropriate allocated man and machine.

There are many reason which causes unbalanced at production line : Delay , unfixed production flow, Bottleneck caused by process which work at low speed among the other process. Large amount product at one process and the other idle. Factor which caused that reason are : machine, man, method and production layout.

In order to develop line balancing, we have to solve problem at that factor.through machine optimation, man optimation, method optimation and production layout optimation. For made effective and efficient workstation.

In this final project, writers want to solve that problem by made production line planning at PT. KMK Global Sport., manufacturing shoes which made and assembling shoes component. The output are : we can know where is critis line at production, How many optimum man and machine, in order easily for grouping and optimalization productin output

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