

INDUSTRIAL-BASED ERGONOMIC DESIGN OF MANUAL SEWING AREA AND PACKING AREA IN TAUPLENE SDN. BHD.

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ABSTRACT

This report is my investigation on work area in a factory located in Melaka. Ergonomic is implemented in designing a work area in sewing and packing area in Tauplene Sdn. Bhd. There are several designs suggested for a better work area in factory base on ergonomic concepts particularly for sewing and packing area. In sewing area, pedal design with 2 foot control on sewing machine, electronic weighing machine to overcome manual counting tasks and use of belt conveyor to move in-process inventories are suggested. Roller-stretch wrapping machine is recommended to replace manual wrapping tasks. Arrangement and location of table, machines and workflow is made both in sewing and packing area to improve workplace condition. Design of a work area in Tauplene Sdn. Bhd. is taken into consideration of human body dimensions, workplace design, and ergonomic point of view.