

Absract

Kemplang fuel pipe which is located on the street 66 patings force. In each production process and the use of human labor is done manually with simple tools. Application of anthropometry in design is needed to determine the ergonomic activities in running a job by using the tool in the design of this. design tools that will be designed with the pedal system where the iron pipes are 4 penjapit kemplang. The process of design this kemplang burner, how to design a burner kemplang ergonomic pedal to increase productivity by 4 penjapit are designed based on anthropometric workers measurement result can be determined by the size of the tool frame, 62cm high, 60cm wide and 120 cm lon. Order is used when workers perform the combustion process burner design kemplang generating an average of 423 kemplang per day while generating the initial burner kemplang average of 139 perday. This design tool can be used on kemplang fuel industry to increase production.

Keyword : Anthropometry, Ergonomic dan Productivitas