

ABSTRACT

DESIGN PRESSING TOOLS AT SMES UDIN

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Mr. Udin SMEs engaged in the processing of scrap tires for your roof tiles, basins, pots. For the manufacture of roof tiles during this pack udin using molds that can only produce one tile for the first time the mold. This makes this work becomes longer, so in this study will be designed tile molds from old tires with the amount of 3 pieces of tile to tile molds after molding tool is designed to increase the production of tile tire by speeding up production time. This is also done to conserve fuel in the process of forming the tile of used tires, for it is in need of a proper method in the design of the tile display devices from scrap tires used method is the method Nigel Cross. The design of the tile display devices ergonomics with methods Nigel Cross has a length of 85 cm wide x 32 cm high x 37 cm. With tile molds form a length of 22 cm wide x 30 cm high x 2.5 cm with a tile thickness of 1 cm. The investment costs tile display devices of Rp 7,500,000. Based on the calculation of production, the results obtained before the implementation of the production was 92.8% and after the implementation of production is 166.6%. From the results before implementation and after implementation there is a comparison which shows that an increase in production of 73.8%. Improvement in posture and reduced complaints from as many as 70% are The result of the answer to Mr. Udin for 1 month \pm 29 (days).

Keywords: *Nigel Cross Method, Tool Investment Costs, Improved Posture.*