

ABSTRACT

MOLDING MACHINE DESIGNED OF “KEMPLANG BINTANG” ON “BANGKA 56” COMPANY PALEMBANG

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“Bangka 56” company is one type of small and medium enterprises which produce special foods from Palembang and those are “kerupuk” and “kemplang”. These foods are distributed to Palembang, some places outside Palembang and abroad. The process production of “kemplang” has problem on its star shape. This problem occurred because almost the process production is done traditionally, manually by hand. The molding machine is made to decrease the disadvantage and weakness of “kemplang”. This machine is designed to make the shape and it’s relevant with the condition on “Bangka 56” company. The machine is designed based on employee’s anthropometry. This research see how the work progress before and after using the printing machine. The result of the design of these tools increase productivity and reduce the workload of employees. The machine is designed based on employee’s anthropometry the dimension of the machine is 48 cm x 21,5 cm x 120,5 cm. Respondent of this research is 15 people. The result of implementation this machine is decreasing calorie load 27,44 kkal/hour, and increasing the productivity 22,62%. So this molding machine is suitable to be implemented on “Bangka 56” company.

Keywords: “Kemplang bintang” Molding Machine, Calorie Load, Productivity