

## **ABSTRACT**

### ***DESIGN OF THE EQUIPMENT OF THE EGG PEELER EQUIPMENT TO MINIMIZE THE TIME OF LIGHTING WITH METHOD OF VALUE ENGINEERING (Case Study: Saint Paul's Seminary of Palembang)***

Stripping the boiled egg shell in the kitchen of Saint Paul's Seminary Palembang is still using hands. The loss of stripping with the manual way is loss of time and loss of energy. From these problems need to be made an egg peeler that can peel eggs automatically with a short stripping time. This eggshell is 35 cm long, 20 cm wide and 15 cm high equipped with a 12 volt electric dc dynamo (Direct Current). The workings of this egg peel machine is by way of eggs inserted into an egg shell roller that is connected with the motor dynamo dc (Direct Current) then the roller will rotate and peel the shell of the eggshell. The test is done by testing the time of stripping eggs with the machine and compared with using the hand. The time obtained from the process of peeling eggs by hand is 45.5 seconds, while after the design there is an increase in peeling time of 38,4 % ie 15.5 seconds for every 1 egg.

**Keywords:** Egg Peeler, Roller, Egg, Dynamo