

## **ABSTRACT**

### ***DESIGN OF CUTTING TOOLS ROLL CAKE WITH VALUE ENGINEERING METHOD IN SME MEISYA PALEMBANG***

*Meisya SME is a small and medium industry that produces rolls of various flavor variants as much as 12 pans per day. In this study focuses on the most widely purchased rolls of cakes, rolls of strawberry and pandanese. Bolu roll has a diameter of 4 cm and 30 cm long. The process of cutting the sponge roll is done only by using cutter. The length of the cutting process of 1 rolling spoon using a cutter is 2 minutes. So researchers designed a spindle cutters rolls so that the process of cutting the sponge quickly becomes faster. The design of the sponge cutters by using the value engineering method. The result of the design of the spindle cutters are 34.5 cm in width, 32cm high, 2cm diameter and 26cm, side handle 42cm, 3cm side handle, 32cm zinc aluminum width and toolbar width 34 , 5 cm. This tool is used by putting the rolled poon onto the aluminum zinc and pressing the cutting lever downwards then lifting the lever back and working on the workpiece in the form of the handle handle to the left and right. The results of the rolls are obtained uniform in terms of shape and size because the sponge has a size contained in the tool iron. Once this design has been completed, it is used directly on Meisya's SME to see if it can speed up cutting times and enliven cutting employees. From the results of the implementation, the time required to cut 1 rolls of bolu at once is 1 minute, so this tool can speed up the process of cutting sponge rolls by 50%.*

**Keywords:** *Roller cutters, value engineering, handle, time of cutting sponge rolls.*