

## ABSTRACT

### THE PROCESS OF PRODUCING CASSAVA GRATER MACHINE CASING

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This report aims at describing the steps, the materials, and the time allocation in producing cassava grater machine casing.

The steps to produce cassava grate machine casing are: 1) Identifying the materials, 2) preparing the materials, 3) Identifying tools and machines used in the process, 4) Identifying the steps, 5) Counting time allocation, 6) Testing the effectiveness of the casing on cassava grater machines.

The material used to produce cassava grate machine casing is a stainless steel plat with a thickness of 0,8 mm. The casing are divided into 4 parts that are: 1) the front casing (box) with the size of 530x300,2, 2) the back casing with the size of 300x290,4, 4) the bottom casing (supply main) with the size of 650,47x475.5,5, 5) the right and left casing with the size of 300x240. Tools and machines that are used are 1) a hydraulic plat cutter machine, 2) a table drilling machine, 3) a bending machine, 4) measuring instruments, 5) working tool benches, 6) safety equipments. The steps to make the casing are, 1) reading job sketch, 2) measuring, 3) drawing, 4) cutting, 5) drilling, 6) bending, 7) assembling and 8) finishing. The time needed for producing the casing is 26 hours 20 minutes. Functional test and performance test of the casing shows that the casing is save and can function properly.

Key Words Casing, cassava grater machine.