

ABSTRACT

MAKING PPROSES HOLDER FLAME CUTTING MACHINE RADIUS

By:

Villanova Luky Sanjaya

NIM. 07508134027

The purpose of this thesis is to investigate the materials used in the manufacture of flame holder, knowing the tools and machines used in the manufacture of flame holder, knowing the process of making a flame holder, can know the time needed to make the flame holder, and can identify the function of the holder and performance machine that's been made.

Flame holder made with steps / stages as follows: (1) identify the working drawings, (2) identify the materials, (3) identify the tools and machines used, (4) planning of cutting (cutting plan), (5) cutting, (6) drilling, (7) pengetapan; (8) finishing.

Based on the process of flame cutting machine base radius can be deduced: (1) The process of preparation of the flame holder flame cutting machine radius is to prepare materials, tools and machines used, machine used to check the completeness and examine the performance of the machine used, (2) Equipment and machines used in the manufacture of oxy acetylene welding, drilling machine, tapping, hand grinding machines, air compressors, steel ruler, roll meters, rulers elbow, penitik, pincers, hammers, files, and the spray gun, (3) the process of making a flame holder include drawing materials will be cut and drilled, cutting and drilling, the process revolves use the tap, and finishing with the painting process, (4) the time required in the process of flame cutting machine base radius is 3 hours 37 minutes, (5) the results obtained holder of the test functions and performance of flame cutting machine is the radius of the base function properly, it can withstand all engine parts, has an attractive appearance seen from the shape and color of paint, there was a slight vibration in the engine when the engine is operated, and the engine can spin well now be operated when the gas pressure is not too large.

Keywords: Stand flame