ABSTRACT

Stainless steel tank many using in industrial tank manufacture especially to drinking water. The last polishing tool made have a weak is at polish tank in the lumpy or weld result surface, it experience problem is not work brush at concerning the lumpy. From those problems, then this project work will modify a stainless steel tank polisher. The purpose of the tool is to make it can work at the condition shape the circle tank that does not flat.

To make out doesn’t flat surface the tank, because weld result make not work the brush polishing, so use spring to making out the problem. The spring put a bottom part occupy the engine and the brush polishing, and give wheel a left and right occupy the engine and the polishing, so occupy the polishing get work by fleksible follow groove doesn’t flat surface the tank, so the brush polishing doesn’t occur problem.

From the test, the data found that the time which needed to polish the tank diameter’s 600 mm and length’s 900 mm was 125 minutes. This polisher is more efficient up to 69% than manual process. The result of the polished is also smooth and the tank look more floss.