ABSTRACT

During this process the rock in the hull cleaning is done manually. Shortages if done manually, ie it is a long time, while also requiring a lot of manpower. This is caused by the tools used and the hammer is just a scrap, not to mention the position of a higher hull, this is a very slow process of cleaning because they have to add staff in order to achieve scrap reefs. Based on these problems required a tool that can help accelerate the process of cleaning clams and oysters on the hull, so that the cleaning process run faster.

Reef Purifier with DC motor is designed to simplify the cleaning process using the reef or play style style chisels centrifugal eye played by a DC motor. Motor is transmitted using a timing belt, and then lowered to half-rotation of motor drive with a ratio one to two. Decline in this round by using a timing belt.

All data from testing tool indicates that the cleaning process reefs using this tool runs faster compared to manual cleaning. Testing tools based on two parameters, namely yield and time parameters. Parameters result is a result of cleaning is clean enough, and time parameters is the use of time for the cleaning process lasted quite fast.