UNIVERSITI TEKNOLOGI MARA

DESIGN AND FABRICATION OF RC BOAT PROPELLER USING 3D PRINTER

MOHAMAD SHAHRUL BIN MOHD HOTHZANI

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ABSTRACT

Improvements in engineering designs, particularly for linked structures, have been a key industrial need in recent years. There is a desire nowadays to carry out optimizations in order to get optimal system characteristics. RC boat propeller is a device that the research are still not expanded to the core yet. So there are a lot of remaining things that can be study to improve the manufacturing of this device. As in this project, the study is on designing and fabricating RC boat propeller by only using 3D printer. RC boat propeller fans must be wanting not just one design of propeller on their own. By buying more propellers, it will cost them more. The objectives are to design and fabricate RC boat propeller using 3D printer, and to study the machining parameter involved during the fabricaton process. The information are gained by gathering information from articles, websites and books. Such a problem like low efficiency of the propeller, which is mainly due to the design of the propeller.

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