



MINI HYDRO TURBINE GENERATOR

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ABSTRACT

This project is on the development of Mini Hydro Turbine where positioned in the blade for hydro turbine rotate to produce power. The main objective of this project is to design blade, setup experiment to produce power. The swirling of turbine created by the blade provides more speed with small volume of water, result in producing more power and more economical use. The blade device have been designed using CATIA CAD software and fabricated by using aluminum. Experiment analysis has been performed in order to do the comparison between the three blade and six blade installed in the mini hydro turbine system. Based on the experimental result obtained, it is found that six blade produced more power than three blade.

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