

WIND OPERATED WATER PADDLE WHEEL

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ABSTRACT

A Wind Operated Water Paddle Wheel is a machine that generates oxygen in the water by only using wind energy. As the pollution level in Malaysia increase, renewable energy has come to be a consideration for future major power source. Coastal areas in Malaysia possess a very high potential of renewable energy and has an average wind speed of 6 m/s. A prototype has been constructed and it consists of three major parts which is the wind turbine system, pulley system and the water paddle wheel system. The wind turbine converts wind energy to rotational power and the power is transmitted to the water paddle wheel system via the pulley system. It is clearly shown that the Wind Operated Water Paddle Wheel is aimed to be highly dependent on mechanical power. It is essential to understand the concept of every aspect in constructing the prototype. The prototype will have the same function as the actual water paddle wheel that can be seen in the aquaculture industry. Throughout this report, it will provided a flow of how the progress is carried out and also problems that have been encountered.