

# **ESTABLISHING THE RELANTIONSHIP BETWEEN WIND SPEED AND ANGULAR VELOCITY OF GIROMILL VAWT**

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## **ABSTRACT**

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The purpose of this study is to manufacture a miniature scale version on a GIROMILL vertical axis wind turbine (VAWT) and collect the experimental data using the GIROMILL have manufactured. The objective is to establishing the relationship between wind speed and angular velocity of GIROMILL by plotting a graph to show the relations.

The aerodynamics theory applied into the blades part design of GIROMILL for maximizes the efficiency of wind access and the operations. The efficiency of wind turbine plays an important role for the experimental data accuracy and credibility.