

Design and Testing of Low-Cost Wind Turbine for Teaching

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Abstract

A horizontal axis wind turbine with three blades is presented in this project paper. The modern wind turbine has been built with an odd number of blades which is important for the stability of the turbine. Rural people make it themselves with local materials. Installation was practically designed and tested so that mending can be made easily. The output wind power of the small wind turbine installed now is 0.76 watts and the average wind speed is 18 ms^{-1} .

Keywords: wind turbine, blades, wind power, wind speed

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