PROJECT REPORT
MEASUREMENT OF THE CHARGING RATE ON THE POWER BANK WITH WIND POWER GENERATOR

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by

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ABSTRACT

The wind we often encounter but rarely used as a natural power source. Many people do not yet know how to use the power source from the wind effectively.

To be able to make wind energy into electricity there need to be his tool, so mechanical wind turbines need to be made. This project is using arduino. Consisting of 3 sensors ie current sensors used as a reader of current into the powerbank. The speed sensor is used for the speed reader of the propeller speed. The compass sensor is used for wind direction readers.

The result of this project is the sensor data can be stored inside the IoT thingspek server and can monitor the charging process powerbank. This project can generate electrical power to be stored powerbank.

Keyword: Arduino microcontroller, wind turbines, charging powerbank with wind speed, measurement of wind speed, internet of things.
PREFACE

The project report consists of 6 chapters. the contents of the first chapter discuss the background issues, scope and objectives of this project. Chapter 2 explains the difference of making from this project with an existing project. Chapter 3 describes the step of making this project. Chapter 4 contains analysis and design by narrowing its workflow, with this project using flowchart and schematic design. Chapter 5 discusses the implementation and test results of this project. Then last chapter 6 gives conclusions and suggestions for his future projects.
ILLUSTRATION INDEX

Illustration 4.1: Flowchart........................................................................................................7
Illustration 4.2: Design schema.................................................................................................9
Illustration 5.1: Wifi connection status.......................................................................................11
Illustration 5.2: Read sensor and cream thingSpeak.................................................................13
Illustration 5.3: The propeller is not spinning and there is no charging.................................14
Illustration 5.4: The process of charging the powerbank and the sensor is working..................14
Illustration 5.5: Saving of rpm, current, volt and compass in IoT server.................................15
INDEX OF TABLES
Table 5.1: Test result charging power bank............................................................16
Table 5.2: The result of full charging process on powerbank.................................17
Table 5.3: Results of current and voltage data retrieval on the sensor using fan........18