

DEVELOPMENT OF INTERNET OF THINGS BASED RICE MILLING MACHINE MONITORING APPLICATION

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ABSTRACT

To follow the development of the industry that has entered the era of the industrial revolution 4.0, where this era is the era of the development of the Internet of Things (IoT), the author hereby conducts research in the industrial factory sector, especially the rice milling sector by utilizing IoT technology applied to the rice milling system. The purpose of this application system is to provide a solution for how to process rice into rice using a machine that is monitored by IoT through an Android-based application. The difference between a rice milling machine that is monitored by IoT and a milling machine that is not monitored by IoT can be distinguished through the milling machine that uses an electric motor. Rice milling becomes more effective and efficient, the system is also equipped with an easy-to-use interface, the interface is built using a mobile-based application, this interface will make it easier for users to access information and control the system being built, this research is expected to contribute to realizing the industrial revolution in Indonesia known as "Making Indonesia 4.0" especially in the field of Industry.

Keywords: Rice milling machine, Electric motor, Speed control, IoT monitoring.