

**RANCANG BANGUN APLIKASI PENDETEKSI SUHU RUANGAN  
BERBASIS ARDUINO**  
(*DESIGN BUILDING APPLICATION ROOM TEMPERATURE DETECTION USING  
ARDUINO*)

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**ABSTRACT**

*Mushroom cultivators are currently undergoing rapid growth. Mushrooms that have habitat forests, can now be cultivated on barn mushroom in lowland. In order for fungus growth can be optimal then the temperature inside the kumpang must be maintained so that its development can be optimal. Will continue in the process of mushroom cultivation is still not present. This temperature detection app is built on Arduino. The material of data source retention is obtained through interviewee, observation and literature study. The design of this application uses Waterfall modeling which at each stage of system development has a clear and sequential structure. With this application, it is possible to monitor the temperature inside the kumpang, can disetabilakn the temperature inside the kumpang and launch the mushroom cultivation process.*

*Keywords: Temperature Detector, Arduino, Waterfall.*