# Rancang Bangun Alat Pakan Ayam Otomatis Dan Monitoring Suhu Kandang Berbasis IoT Dengan Panel Surya

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**ABSTRACT**

*Animal husbandry is a business activity to increase biotics in livestock by increasing livestock production to meet human needs. One example of animal husbandry in Indonesia is a layer chicken farm. In Indonesia, laying hens, in general, still use a conventional system to feed the chickens that are raised and still use a power source from the government. From the above problems, an idea emerged to make a unique tool for chicken feed and automatic humidity temperature monitoring based on the Internet of Things (IoT). This tool uses a DHT11 sensor which functions as a temperature and humidity detector and a servo motor for modified automatic feeding. Internet Of Things (IoT) here acts as a means of controlling tools which will later be applied using smartphones. This tool also uses a solar panel that is integrated with a battery as a power source for automatic feed equipment. The cage and the settlement location are usually not close together, so it is hoped that by using the solar panel, the tool will continue to work without a conventional current source from the government.*

**Keywords:** *Solar Panels, Internet Of Think, Servo Motors, DHT11, Blynk*