ABSTRACT

AN AUTOMATION SALTED FISH CLOTHESLINES BASED ON THE INTERNET OF THINGS

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In general, the process of drying salted fish carried out by fishermen still uses traditional methods, depending on the weather and utilizing sunlight. This drying process is usually carried out by placing salted fish on a bamboo net or woven bamboo which is placed in a place exposed to sunlight. However, when the rainy season enters, the traditional process of drying salted fish experiences various obstacles such as lack of sunlight, fish being removed late, and air circulation in the salted fish storage room is not good. This condition causes the fish to not dry completely and even rot.

To overcome this, an IoT-based automatic salted fish drying tool is needed, where the tool used in the salted fish drying process uses an LDR sensor and a rain sensor. The LDR sensor would detect the presence of sunlight and automatically remove the dried salted fish from the storage room. On the other hand, if the LDR sensor did not detect sunlight and the rain sensor detected rain, the salted fish would automatically go into the storage room. The movement of the clothesline is assisted by a DC motor which functions as a motor for drying salted fish. To maintain the quality of salted fish, the process of drying fish is still carried out in the storage room by using heaters and fans to distribute hot air in the storage room.

Keywords: IoT, DC motor, LDR sensor, Salted Fish Clothesline