

Title Performance Study of Solar Forced Convection Paddy - Dryer
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Abstract

The research is aimed to study the performance of forced convection solar dryer for paddy drying in Phatthalung province. The results indicated that the system is continuous hot air flow rate. Paddy, Chai-nat 1, was successfully dried in developed system. The average hot air temperatures were 35 °C. Drying time was 8 hour for paddy drying from moisture content of 25 % d.b. to 5 % d.b. The efficiency of the whole unit obtained was 49 %. This drying technology is suitable for small-scale process of dried paddy in the southern area of Thailand.