

The drying system of agricultural seeds with flat plate collector

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Abstrak

ABSTRACT

The Indonesians compentionally dry the seeds from agriculture such as rice, corn, cassava, peanut, banana, etc. with a certain period of aeration. This conventional way can cause the seeds to be rotten before being used, due to the high lemperature (30 °C) and high humidity (70 - 90%) in Indonesia. Arranging the temperature and humidity to be constant for a period of time w/7/ make the drying result better than the former. Flat Plate Collector captures sun radiation and transmits the hot air into a chamber equipped with temperature and air humidity recorder. The hot air can reach as high temperature as 70 °C. This Flat Plate Collector system can be expected to give a better drying system than the conventional way. Thtis it can help for a long time storage: