

Abstract

The objective of solar tunnel dryer production in this research is for solving agriculture product problems. Researchers developed a new collector of solar tunnel dryer from old one that included collector in system change to separate collector and install 17 degree from ground for high efficiency. From testing, the average temperature is 50 °C and dry many agriculture products because of the auxiliary heat and can control air velocity suitable for many products by switch on 1, 2 or 3 fans together.

Researcher promoted the project to agriculturist and found that this solar tunnel dryer is suitable for promote to agriculturist. They can understand to use and take care the system because it was produced from local material and easy to use.