

ABSTRACT

In an era of increasingly sophisticated technology as it is now, the need for tools to facilitate human activity is needed. One of them is solar dryers drying tea leaves. The trigger of this tools are created is the weather conditions on tropical country that has a relatively high rainfall such as in Indonesia. The weather conditions can make drying tea leaves process to become fail because it takes a long time when it is dried directly in the sun, and it will not sold when the water content contained in the tea leaves are not as expected (2% - 3%). This research will test the efficiency of solar drying as tea leaves that use solar panels as an absorber V-Groove.

The results of all tests showed that the temperature difference of input and output absorber affects the efficiency of drying tea leaves.

Keyword: Solar drying, absorber, drying tea leaves, efficiency