

ABSTRACT

The solar drying system utilizes solar energy to heat up air which passes through the ventilation and to dry any food substance loaded, which is not only beneficial in that it reduces wastage of agricultural product and helps in preservation of agricultural product. Based on the limitations of the natural sun drying such as exposure to direct sunlight, reliability to pests and rodents lack of proper monitoring, and the escalated cost of the mechanical dryers, a solar dryer was therefore developed to cater for this limitations. Then we are adding temperature controller for sensing the heat temperature inside the dryer and the releases the excess of air through the blowers. In the solar dryer the moisture is removed from the crops and seeds while heat temperature rises upto the certain level of heat which is observed by the polycarbonate sheet which can double the heat that observed from the sun radiation.