

PENGUAPAN AIR KELAPA DENGAN PRINSIP RUMAH KACA DALAM PROSES PEMBUATAN GULA MERAH

ABSTRACT

In Indonesia, coconut water is increasing, with a growing number of oil production per year, but its use is not maximized. Therefore, researchers have an alternative that is making brown sugar made from coconut water by evaporation. This study aims to evaporate some of the water coconut using the principle greenhouse, comparing the rate of evaporation in the greenhouse with drying and comparing the rate of evaporation of coconut water on aluminum and plastic containers. Research methodology, namely, the first choice of materials, both container election, setting the thickness of the third, fourth and drying. The results showed the process of evaporation in greenhouse tends to be faster 374 grams / hour compared to the rate of evaporation outside the greenhouse 335 grams / hour. use aluminum containers tend to be faster 195 grams / hour, compared to using a plastic container 178 g / h, the highest temperature in the greenhouse 53 °C

Keywords: v coconut water, coconut milk sugar, coconut water vaporizer, the rate of evaporation, solar radiation