

ABSTRACT

ADDITION OF SUCROSE IN MAKING CRYSTAL COCONUT SUGAR FROM BELOW STANDARD COCONUT SUGAR

By

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Below standard of coconut sugar is often found in the level of home industry coconut sugar and collectors and are sold at very cheap prices. Coconut sugar that has below standart can be converted into “crystal coconut sugar” with improved the quantity of sucrose from the coconut sugar that have below standard. The research was aimed to know the influenced addition of sucrose in coconut sugar that has below standard against the quality of crystal coconut sugar was produced and know the dose addition of the sugar exactly at coconut sugar that have below standart to produced crystal coconut sugar that has characteristics in accordance with the SNI SII-0268-1985.

The research was carried out in 3 stages: characterization of *Below Standard Coconut Sugar*, early research and major research. This major research by using a dose of concentrate addition of sucrose 10%, 15%, 20%, 25 and 30%. After that, treatment is

repeated four times. In this study, the data were analyzed anara and continued tests using advanced test BNJ on levels 5%.

Characteristics of below standard coconut sugar soft textured and lunkhead indicated high water, low sucrose and high sugar reduction. The majority research using below standard coconut sugar shaped soft. Below standard coconut sugar shaped lunkhead uneconomic to be used as crystal coconut sugar. Addition of sucrose in making crystal coconut sugar from below standard coconut sugar gived effect to the quality of particular yield, sucrose content, water content, flavor, color and overall acceptance. But, didn't give effect to the total undissolve solids and ash content. Minimal dose of sucrose in the manufacture of sugar crystal coconut sugar was 25%. The yield of crystal coconut sugar produced 56,95%, 81.44% sucrose content, 3.38% water content, 7.27% ash content, 5.57% undissolve solid. However, water content, ash content and undissolve solids from the best treatment not met the SII-0268-1985.

Keywords : below standard of coconut sugar, crystal coconut sugar, sucrose