# Towards the improvement of sago starch quality in Indonesia (II): Sago starch processing with modified process

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## English Abstract

Study was conducted in the pursuits of better starch quality production using modified small to medium scale sago starch processing technology, including the use of CaCO3 (1000, 1500 and 2000 ppm), NaHSO3 (1000, 1500 and 2000 ppm) and Ca(OCl)2 (1.0, 1.5 and 2.0 percent) solutions. The values of quality parameters of the commercial sago starch samples found out by Gumbira-Sa id et al.(1999) were used for comparison. Almost all the results of the starch prepared by the modified sago starch process fulfill the standard (SNI) requirements. The best results was obtained by the soaking in 1500 ppm NaHSO3 solution giving the following starch characteristics: moisture content 8.93 percent, ash content 0.25 percent crude fibre content 0.17 percent, acidity 0.66 ml NaOH 1N/100 g, whiteness 87.8 percent, fineness 99.99 percent, /TPC 4.6*10**(3) colonies/g, and starch conversion to glucose of 44.06 percent.