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Sensory evaluation of smoothie mangostana drink from mangosteen peel extract with curd starter Evawati, Evawati and Roza, Irwan and Fadri, Rince Alfia and Gusmalini, Gusmalini (2018) Sensory evaluation of smoothie mangostana drink from mangosteen peel extract with curd starter. In: 6th international conference on sustainable agricultural, food and energy, October 19-21,2018, Manila, Philippines.

Abstract this study aims to determine the best dilution level of peel powder extract and the best concentration of curd starter in processing of smotthy mangostana drink from mangosteen peel extract. this research used factorial completely randomized design with 2 factors : factor (A) concetration of curd starter 2%,4%,6%,8%, and 10% and factor (B) dilution level of mangosteen peel extract 1:30;1:40; and 1:50 with three repeated treatments.

the result was analysed with ANOVA followed by DNMRT (duncan's new multiple range test) with 5% significant level of spss system. the resulting smoothy mangostana drink is evaluated for its sensor properties, name color, taste, aroma, texture, and apparence. from the result of the study showed difference in concentration of curd starter, and the dilution level of mangosteen peel extract and the interaction of both gave significant effect on the color, taste, aroma, texture, and appearance of smooth mangostana drink.

the best concentration of curd starter in making smoothymangostanaa drink from mangosteen peel powder in 6% with a dilution level of 1:30 with color value of 3.55 (kinda like), flavor 4,23(kinda like), aroma 4,63(like) texture 4,50(like) and appearance 3,50(kinda like)

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<https://drhealthbenefits.com/food-bevarages/fruits/health-benefits-of-mangosteen-pee>

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