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**ABSTRACT** 

Incorporating milk into day-to-day meals may be a suitable nutrient-dense diet choice as it

contains protein, calcium, vitamin D, and vitamin B12. However, milk consumption in Indonesian

adults is relatively low compared to other Southeast Asian countries. This project developed instant

powdered milk with three local Indonesian dessert flavors (Es Pisang Ijo, Es Cendol, and Es Brenebon)

as an innovative way to improve that consumption. CATA, 9-point hedonic, and preference ranking

tests were carried out to evaluate each sample's characteristics, evaluate the sensory attributes

(aroma, taste, mouthfeel, and flavor intensity), as well as rank them based on the overall sensory

preference and concept acceptance in the Indonesian market. All related sample characteristics were

detected in each prototype, with the Es Pisang Ijo and Es Cendol prototypes received significantly

higher sensory scores compared to the Es Brenebon prototype. From a total of 60 panelists, the Es

Pisang Ijo prototype achieved first rank overall. Expanding milk powder flavor variants into local

Indonesian desserts resulted in pleasant products, which may aid in satisfying consumer demand for

sweet and more traditional flavors in dairy products. Still, more well-designed research is needed to

reach accurate and unbiased results.

Keywords: Es Brenebon, Es Cendol, Es Pisana Ijo, Instant powdered milk, Sensory analysis

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