

## Addition of Red Ginger Extract in Making of Breadfruit Leaf Powder Instant Drink

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**Abstract:** Indonesia is a tropical country which has a very high vegetation of diversity. One of the vegetation type which can grow luxuriantly in any season in Indonesia is a breadfruit (*Artocarpus altilis*). Utilization of breadfruit leaf as a raw material in making of instant powder drink is one of diversification efforts which may ease consumers to consume the breadfruit leaf. This research aims to obtain the accurate ratio between breadfruit leaf and red ginger which may produce a high quality of instant powder drink. The treatments in the research were P1 = breadfruit leaf extract : red ginger extract (90 : 10), P2 = breadfruit leaf extract : red ginger extract (80 : 20), P3 = breadfruit leaf extract : red ginger extract (70 : 30), and P4 = breadfruit leaf extract : red ginger extract (60 : 40), and P5 = breadfruit leaf extract : red ginger extract (50 : 50). The observed parameters were moisture content, ash content, antioxidant activity test, as well as organoleptic test toward scent, color, taste, texture, and overall assessment. The obtained data was statistically tested by using Analysis of Variance. If F calculate is higher than or equal to F table, the analysis will be continued by using DNMRT test with 5% rate. The analysis of variance showed that the addition of red ginger extract in the making of breadfruit leaf powder instant drink significantly affected moisture content, ash content, antioxidant content, color, smell, taste, and overall assessment. The chosen treatment in the research was instant powder drink made from P5 (50:50) which had moisture content of 1,75%, ash content of 0,86%, and treatment P5 was the most liked by panelist with ginger taste, a slightly brown color, and ginger flavored.

**Keywords:** Breadfruit, drink powder, red ginger

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