

Re: [Jurnal Teknologi] Article Review Request "The CHARACTERISTIC OF DEWA STARFRUIT-RED GUAVA FRUIT LEATHER DUE TO THE ADDITION OF GUM ARABIC"

Dari: UTM eJournals (journal_utm@utm.my)

Kepada: zlsarungallo@yahoo.com

Tanggal: Rabu, 18 Agustus 2021 16.52 WIT

Dear Dr. Zita,

In case you are facing difficulty accessing the system, we attached herewith the article and the review form to facilitate the process. We really appreciate your help.

Thank you.

UTM eJournal Editorial Team

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On Wed, Aug 18, 2021 at 3:49 PM Professor Dr. Rosli Md Illias <journal_utm@utm.my> wrote:

Dear Dr. Zita Letviany Sarungallo:

I believe that you would serve as an excellent reviewer of the manuscript, "**The CHARACTERISTIC OF DEWA STARFRUIT-RED GUAVA FRUIT LEATHER DUE TO THE ADDITION OF GUM ARABIC**," which has been submitted to *Jurnal Teknologi*. The submission's abstract is inserted below, and I hope that you will consider undertaking this important task for us.

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****The review itself is due 2021-09-08.**
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Please log into the journal web site by **2021-08-25** to indicate whether you will undertake the review or not.

Submission URL: <https://journals.utm.my/jurnalteknologi/reviewer/submission?submissionId=16642&reviewId=10916&key=3U9RY3>

For your guidance: <https://youtu.be/NgVxnLror8s>

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Thank you for considering this request.

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"The CHARACTERISTIC OF DEWA STARFRUIT-RED GUAVA FRUIT LEATHER DUE TO THE ADDITION OF GUM ARABIC"
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Abstract

Fruit leather is one of the processed fruit products. It's shape similar to a thin sheet that can be rolled, has an elastic texture, and has specific flavour. One of the suitable fruit that can be processed to fruit leather is starfruit and red guava. The aim of this research was to study the characteristics of the fruit leather made from starfruit Dewa variety and red guava which were added with Arabic gum with different concentration (0%, 0.5%, 1%, 2%, and 2.5%). Data were analyzed by analysis of variance (ANOVA) at $\alpha = 0.05$. The result showed that the addition of Arabic gum had a significant effect on tensile strength, water, ash, vitamin C content, and pH value, but it did not has a significant effect on crude fiber, water activity content, total bacteria, and total yeast and mold. While the addition of Arabic gum had a significant effect on color and texture sensory test. The best fruit leather was determined based on the physicochemical and sensory test, and it showed that the addition of 0.5% Arabic gum was the best. Characteristics of the best starfruit and guava fruit leather were tensile strength value 437.38 gf, water content 7.38%, ash content 2.02%, vitamin C content 77.08%, crude fiber content 1.85%, pH value 4.22, water activity value 0.48 , total bacteria < 2.5 CFU/g, total yeast and mold < 1 CFU/g with golden yellow color, slightly strong starfruit aroma, strong starfruit flavor, and elastic fruit leather texture.

Warm regards;

Professor Dr. Rosli Md Illias
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