

**STUDI PEMBUATAN FRUIT LEATHER DARI  
PENCAMPURAN BUAH SIRSAK (*Annona muricata*, L.) DAN  
RUMPUT LAUT (*Eucheuma cottonii*) DENGAN  
PENAMBAHAN SARI BUNGA ROSELLA  
(*Hibiscus sabdariffa*, L.)**

**NELVI YULIZA ARDI**  
**1511121018**



**Pembimbing:**

**1. Dr. Ir. Alfi Asben, M.Si**

**2. Dr. Ir. Rini, MP**

**FAKULTAS TEKNOLOGI PERTANIAN  
UNIVERSITAS ANDALAS  
PADANG  
2019**

# **Studi Pembuatan *Fruit Leather* dari Pencampuran Buah Sirsak (*Annona muricata*, L.) dan Rumput Laut (*Eucheuma cottonii*) dengan Penambahan Sari Bunga Rosella (*Hibiscus sabdariffa*, L.)**

Nelvi Yuliza Ardi<sup>1</sup>, Alfi Asben<sup>2</sup>, Rini<sup>2</sup>

## **ABSTRAK**

Penelitian ini bertujuan untuk mengetahui (1) pengaruh perbandingan sari bunga rosella terhadap karakteristik *fruit leather* buah sirsak dan rumput laut, (2) mengetahui tingkat penambahan sari bunga rosella yang disukai secara organoleptik terhadap *fruit leather* buah sirsak dan rumput laut. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 5 perlakuan dan 3 ulangan. Perlakuan pada penelitian ini adalah penambahan sari bunga rosella 0% (perlakuan A), penambahan sari bunga rosella 5% (perlakuan B), penambahan sari bunga rosella 10% (perlakuan C), penambahan sari bunga rosella 15% (perlakuan D), dan penambahan sari bunga rosella 20% (perlakuan E). Hasil penelitian menunjukkan bahwa penambahan sari bunga rosella berpengaruh nyata terhadap kadar air, warna, vitamin C, dan organoleptik (warna, rasa, aroma, dan tekstur), tetapi tidak berpengaruh nyata terhadap pH dan lipatan *fruit leather* buah sirsak dan rumput laut. Perlakuan yang disukai pada produk *fruit leather* buah sirsak dan rumput laut adalah pada perlakuan dengan penambahan sari bunga rosella 15% (D), dengan hasil analisa kimia sebagai berikut aktivitas antioksidan IC50 431,25 ppm, antosianin 0,18 mg/L, serat pangan 15,08%, dan iodium 0,085 ppm.

Kata Kunci : Sari Bunga Rosella, *Fruit Leather*, Buah Sirsak, Rumput Laut, Karakteristik Produk



# **Study of Making Fruit Leather from Mixing Soursop (*Annona muricata*, L.) and Seaweed (*Eucheuma cottonii*) with Addition Rosella Flower Extract (*Hibiscus sabdariffa*, L.)**

Nelvi Yuliza Ardi<sup>1</sup>, Alfi Asben<sup>2</sup>, Rini<sup>2</sup>

## **ABSTRACT**

The objectives of this research are to find out (1) the effect of the comparison of rosella flower extract on the characteristics of fruit leather soursop and seaweed, (2) know the level of addition of organoleptically preferred rosella flower extract to fruit leather soursop and seaweed. This study uses a completely randomized design (CRD) with 5 treatments and 3 replications. The treatments in this study were the addition of rosella flower extract 0% (treatment A), addition of rosella flower extract 5% (treatment B), addition of rosella flower extract 10% (treatment C), addition of rosella flower extract 15% (treatment D), and addition of 20% rosella flower extract (treatment E). The results showed that the addition of rosella flower extract significantly affected the water content, color, vitamin C, and organoleptics (color, taste, aroma, and texture), but did not significantly affect the pH and folds of fruit leather soursop and seaweed. The appropriate treatment for soursop and seaweed fruit leather products were treatment with the addition of 15% rosella flower extract (D), with the results of chemical analysis as follows antioxidant activity IC<sub>50</sub> 431.25 ppm, anthocyanin 0.18 mg / L, dietary fiber 15.08%, and iodine 0.085 ppm.

Keywords : **Rosella Flower Extract, Fruit Leather, Soursop, Seaweed, Product Characteristics**

