

SKRIPSI

**PENGARUH TINGKAT KEMATANGAN DAN
PERLAKUAN PENDAHULUAN TERHADAP
KARAKTERISTIK MANISAN KERING TOMAT
CHERRY (*Lycopersicum escelentum* var. *cerasiforme*)**

***THE EFFECT OF MATURITY LEVEL AND
PRELIMINARY TREATMENT ON CHARACTERISTIC
OF CHERRY TOMATOES (*Lycopersicum escelentum* var.
cerasiforme) CANDIED DRIED***



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SUMMARY

VEGA HERLIEZA. The Effect of Maturity Level and Preliminary Treatment on Characteristics of Cherry Tomatoes (*Lycopersicon esculentum* var. *cerasiforme*) Candied Dried (Supervised by **GATOT PRIYANTO** and **PARWIYANTI**).

The purpose of this research was to determine the effect of maturity level and preliminary treatment on characteristics of cherry tomatoes candied dried. The research was conducted in Agricultural Chemistry Laboratory and Sensory Laboratory, Department of Agricultural Technology, Faculty of Agriculture, Sriwijaya University, from March until July 2018. The research was conducted by using Factorial Completely Randomized Design (RALF) with two factors and each treatment repeated three times. The first factor was maturity level (unripe fruit, half ripe fruit and ripe fruit) and the second factor was the preliminary treatment (whole fruit, slashed knife and pierced needle). The observed parameters were physical characteristics (hardness and color), chemical characteristics (moisture content, total dissolved solids, browning index and water activity) and organoleptic characteristics (texture, color and taste). The results showed that maturity level had significant effects on hardness, color (L^* , a^* , b^*), moisture content, total dissolved solids, browning index and water activity, while the preliminary treatment had significant effect on hardness, water content, total dissolved solids, browning index and water activity. The interaction of maturity level and preliminary treatment had significant effect on total dissolved solids. The treatment of A₃B₃ (ripe fruit, pierced needle) was the best treatment based on physical characteristic (moisture content), chemical characteristic (water activity) and organoleptic characteristics (color, taste and texture). The physical and chemical characteristics of A₃B₃ were 354,93 gf of hardness, 39.03% of L^* , 10.63 of a^* , 24.60 of b^* , 31.36% of moisture content, 40.20 °Brix of total dissolved solids, 0.66 nm of browning index and 0.55 of water activity. Based on hedonic test (color, taste and texture), panelist preferred A₃B₃ treatment. Hedonic scores of A₃B₃ for color, taste and texture were 3.36; 3.36; 3.16 respectively.

Keywords: cherry tomato, candied dried, maturity level

LEMBAR PENGESAHAN

PENGARUH TINGKAT KEMATANGAN DAN PERLAKUAN PENDAHULUAN TERHADAP KARAKTERISTIK MANISAN KERING TOMAT *CHERRY* (*Lycopersicum escelentum* var. *cerasiforme*)

SKRIPSI

Sebagai Salah Satu Syarat untuk Mendapatkan Gelar Sarjana Teknologi Pertanian
pada Fakultas Pertanian Universitas Sriwijaya

Oleh:

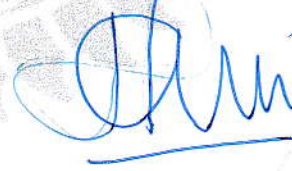
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Skripsi dengan judul “Pengaruh Tingkat Kematangan dan Perlakuan Pendahuluan terhadap Karakteristik Manisan Kering Tomat *Cherry* (*Lycopersicum escelentum* var. *cerasiforme*)” oleh Vega Herlieza telah dipertahankan di hadapan Komisi Penguji Skripsi Fakultas Pertanian Universitas Sriwijaya pada tanggal 10 Juli 2018 dan telah diperbaiki sesuai saran dan masukkan dari tim penguji.

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Menyatakan bahwa semua data dan informasi yang dimuat di dalam skripsi ini merupakan hasil penelitian saya sendiri di bawah supervisi pembimbing, kecuali yang disebutkan dengan jelas sumbernya. Apabila di kemudian hari ditemukan adanya unsur plagiasi dalam skripsi ini, maka saya bersedia menerima sanksi akademik dari Universitas Sriwijaya.

Demikian pernyataan ini saya buat dalam keadaan sadar dan tidak mendapat paksaan dari pihak manapun.



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