

KARAKTERISTIK :
JIPANG UBI KAYU (*Manihot esculenta* Crantz)
DENGAN BERBAGAI JENIS DAN FORMULASI GULA

Oleh
DESSY PURNAMASARI



FAKULTAS PERTANIAN
UNIVERSITAS SRIWIJAYA

INDRALAYA
2013

SUMMARY

DESSY PURNAMASARI. The Characteristics of Cassava *Jipang* (*Manihot esculentum* Crantz) with Sort of Sugar and Their Formulation (Supervised by **MERYNDA INDRIYANI SYAFUTRI** and **PARWIYANTI**).

The objective of the research was to determine the effects of sugar sorts and their formulation on physical, chemical and sensory characteristics of cassava *jipang*. The research was conducted at the Laboratory of Agricultural Product Processing Chemistry and Laboratory of Sensory, Department of Agricultural Technology, Faculty of Agriculture, Sriwijaya University, from February to July 2013.

A factorial completely randomized design was used in this research. Two factors were studied, namely sort of sugar (designed as A factor: sucrose and high fructose syrup) and their formulation (designed as B factor: 20% sugar and 80% cassava, 30% sugar and 70% cassava and 40% sugar and 60% cassava). All treatment were done in triplicates. Observed parameters were physical (density, yield and color), chemical (moisture content, ash content and total dissolved solid) and sensory characteristics using hedonic test, including taste, color and texture).

The results showed that sort of sugar had significant effects on lightness and chroma of cassava *jipang*, whereas the formulation had significant effects on yield, moisture content and total dissolved solid. Furthermore, interaction of the two factors showed significant effects only on moisture content.

The best treatment was cassava *jipang* made of 20% sucrose (sample A₁B₁) with the following characteristics: density of 0.39 g/ml, yield of 26%, lightness of 64.43%, chroma of 13.57%, hue of 75.30°, moisture content of 5.26%, ash content of 0.36% and total dissolved solid of 1.70% as well as sensory scores for taste, color and texture were 3.4, 3 and 3.24, respectively.

Skripsi

**KARAKTERISTIK JIPANG UBI KAYU (*Manihot esculenta* Crantz)
DENGAN BERBAGAI JENIS DAN FORMULASI GULA**

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telah diterima sebagai salah satu syarat untuk memperoleh gelar
Sarjana Teknologi Pertanian

Pembimbing I



Merynda Indriyani Syafutri, S.TP., M.Si.

Indralaya, Juli 2013

Fakultas Pertanian
Universitas Sriwijaya

Dekan,

Pembimbing II



Ir. Parwiyanti, M. P.

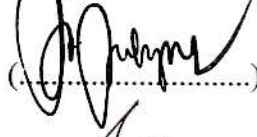
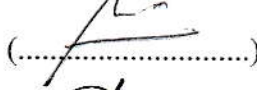



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Skripsi yang berjudul “Karakteristik Jipang Ubi Kayu (*Manihot esculenta* Crantz) dengan Berbagai Jenis dan Formulasi Gula” oleh Dessy Purnamasari telah dipertahankan di depan Tim Penguji pada tanggal 08 Juli 2013.

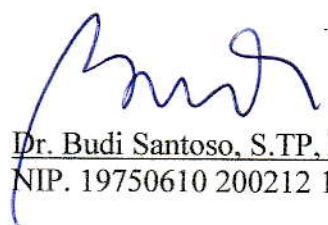
Komisi Penguji

1. Merynda Indriyani Syafutri, S.TP., M.Si.	Ketua	()
2. Ir. Parwiyanti, M.P.	Sekretaris	()
3. Prof. Dr. Ir. Rindit Pambayun, M.P.	Anggota	()
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PERNYATAAN

Saya yang bertanda tangan di bawah ini menyatakan dengan sesungguhnya bahwa seluruh data dan informasi yang disajikan dalam skripsi ini, kecuali yang disebutkan dengan jelas sumbernya, adalah hasil penelitian dan investigasi saya sendiri dan dosen pembimbing, serta belum pernah atau tidak sedang diajukan sebagai syarat untuk memperoleh gelar kesarjanaan lain atau gelar yang sama di tempat lain.

Indralaya, Juli 2013

Yang membuat pernyataan,



Dessy Purnamasari