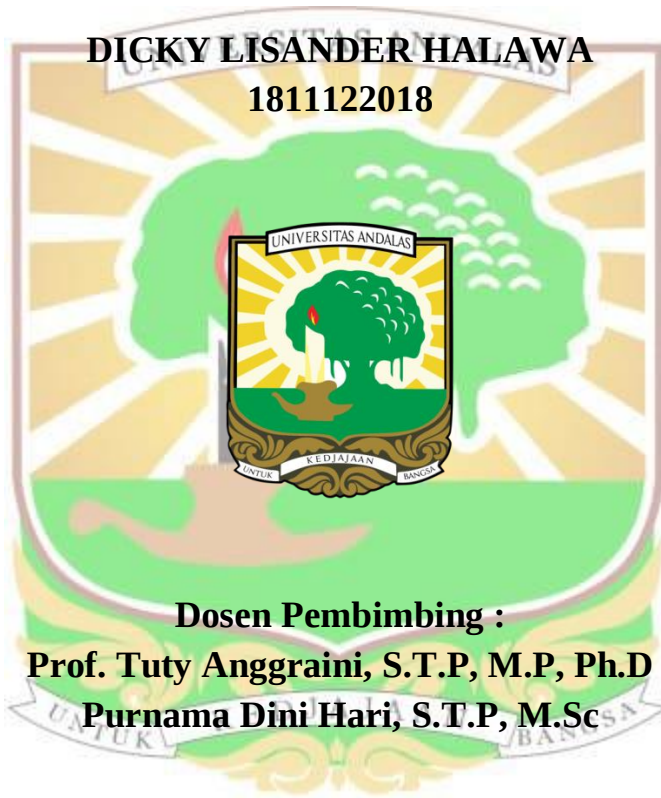


**PENGARUH PENAMBAHAN CASSIAVERA
(*Cinnamomum burmannii*) TERHADAP
KARAKTERISTIK TEH HERBAL DAUN JAMBU
BIJI (*Psidium guajava* L)**

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Pengaruh Penambahan Cassiavera (*Cinnamomum burmannii*) Terhadap Karakteristik Teh Herbal Daun Jambu Biji (*Psidium guajava* L)

Dicky Lisander Halawa¹, Tuty Anggraini², Purnama Dini Hari²

ABSTRAK

Penelitian ini bertujuan untuk mengetahui karakteristik dari teh herbal daun jambu biji dengan penambahan cassiavera serta mengetahui jumlah penambahan cassiavera terbaik pada teh herbal. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) yang terdiri dari 5 perlakuan yaitu perbedaan penambahan cassiavera 0%, 10%, 20%, 30%, dan 40% dengan 3 kali ulangan. Data dianalisis secara statistika dengan menggunakan ANOVA dan jika berbeda nyata, dilanjutkan dengan uji Duncan's New Multiple Range Test (DNMRT) pada taraf 5%. Pengamatan Pada teh herbal daun jambu biji dengan penambahan cassiavera meliputi uji kadar air, uji kadar abu, uji aktivitas antioksidan uji kandungan total polifenol, uji kadar tanin dan uji organoleptik. Hasil penelitian menunjukkan bahwa tingkat penambahan cassiavera berpengaruh nyata terhadap kadar air, aktivitas antioksidan, kadar tanin, dan kandungan total polifenol. Perbedaan tingkat penambahan cassiavera berpengaruh tidak nyata terhadap kadar abu dan organoleptik. Perlakuan terbaik pada penelitian ini adalah Perlakuan C dengan tingkat penambahan cassiavera 20% didapatkan hasil organoleptik yaitu nilai rata-rata kesukaan warna 3,84 (suka), aroma 3,56 (suka), dan rasa 3,12 (biasa). Hasil analisis kimia pada produk teh yaitu kadar air 10,11%, kadar abu 6,11%, aktivitas antioksidan 65,79%, kadar tanin 0,734%, dan total polifenol 995,0 mg GAE/g.

Kata kunci: antioksidan; cassiavera; daun jambu biji; polifenol; teh herbal

The Effect Addition of Cassiavera (*Cinnamomum burmannii*) to Characteristics of Guava Leaf Herbal Tea (*Psidium guajava L*)

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ABSTRACT

This study aimed to find out the characteristics of guava leaf herbal tea with the addition of cassiavera and to find out the best amount of cassiavera addition to herbal tea. This study used a Complete Random Design (RAL) consisting of 5 treatments, namely the difference in the addition of 0%, 10%, 20%, 30%, and 40% cassiavera with 3 replicas. The data was statistically analyzed using ANOVA and if the difference was real, followed by Duncan's New Multiple Range Test (DNMRT) at the level of 5%. Observations on guava leaf herbal tea with the addition of cassiavera include moisture content test, ash content test, antioxidant activity test, polyphenol total content test, tannin content test, and organoleptic test. The results showed that the level of cassiavera addition had a significant effect on moisture content, antioxidant activity, tannin content, and total polyphenol content. The difference in the rate of addition of cassiavera has an unnoticeable effect on ash and organoleptic content. The best treatment in this study was Treatment C with a 20% cassiavera addition rate obtained organoleptic results, namely an average color preference value of 3.84 (likes), aroma 3.56 (likes), and tastes of 3.12 (common). The results of the chemical analyst on tea products were water content of 10.11%, ash content of 6.11%, antioxidant activity of 65.79%, tannin content of 0.734%, and total polyphenols of 995.0 mg GAE/g.

Keywords: antioxidants; cassiavera; guava leaf; herbal tea; polyphenol