

**PENGARUH UKURAN DAN PROPORSI BUBUK JAHE TERHADAP
SIFAT ANTIOKSIDAN, WARNA DAN TINGKAT KESUKAAN
MINUMAN TEH CELUP**

INTISARI

Teh hitam merupakan teh yang paling sering dikonsumsi oleh masyarakat Indonesia karena ketersediaannya yang melimpah dan mudah dalam pengolahan. Selain itu penambahan jahe juga dapat mempengaruhi warna seduhan teh hitam. Tujuan dari penelitian ini adalah untuk menghasilkan minuman seduhan bubuk teh hitam-jahe celup yang memiliki antioksidan tinggi dan disukai panelis.

Penelitian ini menggunakan rancangan acak lengkap dengan perlakuan variasi ukuran 20, 40, 60 mesh dan variasi penambahan bubuk jahe dengan konsentrasi 0%, 30%, 40%, dan 50%. Analisis yang dilakukan adalah analisis antioksidan, warna dan kesukaannya minuman seduhan teh-jahe. Data yang diperoleh dilakukan analisa varian (ANOVA) dengan tingkat kepercayaan 95%. Apabila beda nyata masing-masing perlakuan dilanjutkan dengan uji Duncan Multiple Range Test (DMRT).

Hasil penelitian menunjukkan bahwa variasi ukuran serbuk dan proporsi penambahan jahe berpengaruh nyata terhadap antioksidan, warna dan tingkat kesukaan minuman seduhan teh hitam. Berdasarkan tingkat kesukaan dan antioksidan perlakuan terbaik adalah dengan ukuran 40 mesh dan proporsi 30% seduhan teh hitam-jahe celup tersebut memiliki fenol 0,04%, antioksidan 67,46% (RSA) dan tingkat kesukaan 3,64%.

Kata kunci : Minuman teh hitam-jahe, Ukuran serbuk, Proporsi penambahan jahe

THE EFFECT OF GINGER POWDER SIZE AND PROPORTION ON PHYSICAL, CHEMICAL PROPERTIES AND PREFERENCE LEVEL OF TEA BAG DRINK

ABSTRACT

Black tea is the most commonly consumed tea by the Indonesian people because of its abundant availability and easy processing. Ginger is one of the spices that is widely known by the public. In addition, the addition of ginger can also affect the color of black tea steeping. The purpose of this research is to produce a brewed black-ginger tea powder brew that has high antioxidants.

This study used a completely randomized design with variations in mesh size 20, 40, 60 and variations in the addition of ginger powder. Variations in the size of the mesh used are variations in the addition of ginger powder with concentrations of 0%, 30%, 40%, and 50%. The analysis carried out was a physical (color), chemical (phenol and antioxidant) analysis and his preference for ginger-tea brewed drinks. The data obtained were analyzed for variance (ANOVA) with a 95% confidence level. If there is a significant difference between each treatment, it is continued with the Duncan Multiple Range Test (DMRT).

Results study show that the variation of the mesh size and the proportion of addition of ginger to black tea brewed drinks had a significant effect on antioxidants , colors , and levels of presence. Based on the level of preference and antioxidant, the best treatment was with a size of 40 mesh and the proportion of 30% brewed black-ginger tea bags had a pheno of 0.04%, an antioxidant 67.46% (RSA) and a preference level of 3.64 %.

Keywords: Black-ginger tea drink, size powder, Proportion of addition of ginger