

# PENGARUH PROPORSI DAUN KELOR DAN DAUN PECUT KUDA TERHADAP KARAKTERISTIK TEH KOMBINASI KELOR DAN PECUT KUDA

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## ABSTRAK

Penelitian ini bertujuan untuk mengetahui karakteristik teh yang dihasilkan dengan proporsi dari teh kombinasi daun kelor dan daun pecut kuda. Rancangan percobaan yang digunakan adalah rancangan acak kelompok (RAK) dengan perlakuan proporsi daun kelor : daun pecut kuda (100%:0%; 80%:20%; 60%:40%; 40%:60%; 20%:80%; dan 0%:100%). Masing-masing perlakuan dibuat 3 ulangan. Parameter kimia yang diamati yaitu aktivitas antioksidan, kadar air, kadar abu. Parameter Fisik yaitu warna (*colorimeter*) sedangkan parameter organoleptik yang meliputi aroma, rasa, dan warna yang diuji dengan metode hedonik dan skoring. Data hasil pengamatan diuji dengan analisis keragaman pada taraf nyata 5% menggunakan *software* Co-stat. Perlakuan yang berbeda nyata diuji lanjut menggunakan uji lanjut Beda Nyata Jujur (BNJ). Hasil penelitian menunjukkan bahwa proporsi daun kelor dan daun pecut kuda memberikan pengaruh yang berbeda nyata terhadap kadar air, aktivitas antioksidan, tingkat kecerahan (Nilai L), rasa dan aroma namun memberikan pengaruh yang tidak berbeda nyata terhadap kadar abu dan °Hue. Semakin tinggi proporsi daun pecut kuda yang ditambahkan bahan teh kombinasi maka semakin tinggi aktivitas antioksidan, kadar air dan kadar abu teh kombinasi kelor dan pecut kuda. Perlakuan proporsi daun kelor dan pecut kuda 20%: 80% merupakan perlakuan terbaik yang menghasilkan aktivitas antioksidan 79,49%, kadar air 7,41%, kadar abu 7,21%, nilai L 56,92, nilai °hue 97,92 (berwarna kuning).

**Kata Kunci:** antioksidan, daun kelor, daun pecut kuda, teh.

*THE EFFECT OF THE PROPORTION OF MORINGA LEAVES AND  
SNAKEWEED LEAVES ON THE CHARACTERISTIC OF THE  
COMBINATION OF MORINGA AND SNAKEWEED  
LEAVES TEA*

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**ABSTRACT**

*The aim of this research was to determine the characteristics of tea made of Moringa and Snakeweed leaf combination. The experiment was arranged with randomized block design with the treatment of the proportion of moringa:snakeweed leaf combination (100%:0%; 80%:20%; 60%:40%; 40%:60%; 20%:80%; and 0%:100%). Each treatment was made into 3 replications. The parameters observed were chemical, physical, and organoleptic properties. The chemical parameters observed were the activity of antioxidant, water content and the ash content. The physical parameter observed was color analysis using colorimeter, whereas the organoleptic parameter observed were aroma, taste, and color using hedonic and scoring test. The data obtained from this research were analyzed with the analysis of variance and when there was a significantly different they were further tested with Honestly Significant Difference (HSD) at 5% used Co-stat software. The result showed that the proportion of Moringa leaves and Snakeweed leaves had significant effect on the water content, antioxidant activity, L value, taste and aroma but gave non-significant on the ash content and °hue. The higher the proportion of snakeweed leaves added to the Moringa and snakeweed leaves combination tea, the higher the antioxidant activity, water content and ash content. The proportion of Moringa leaves and Snakeweed leaves 20%: 80% was the best treatment that produced tea with the antioxidant activity of 79,49%, water content 7,41% , ash content 7,21%, L value 56,92 and the °hue value 97,92 (yellow color).*

**Keyword:** *antioxidant, Moringa leaves, Snakeweed leaves, tea.*