

**PENGARUH LAMA PELAYUAN DAUN KAPUK RANDU
MUDA (*Ceiba pentandra*, Geartn) TERHADAP
KARAKTERISTIK TEH HERBAL YANG DIHASILKAN**



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PADANG
2017**

Pengaruh Lama Pelayuan Daun Kapuk Randu Muda (*Ceiba pentandra*, Gaertn.) Terhadap Karakteristik Teh Herbal Yang Dihasilkan

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ABSTRAK

Penelitian ini telah dilaksanakan di Laboratorium Teknologi dan Rekayasa Proses Hasil Pertanian, Laboratorium kimia, biokimia hasil pertanian dan Gizi Pangan, Laboratorium Total Quality Control (TQC) dan Laboratorium Instrumen dan Control Fakultas Teknologi Pertanian Universitas Andalas Padang. Dilaksanakan pada bulan Oktober 2016 hingga Desember 2016. Tujuan penelitian ini adalah untuk mengetahui perlakuan waktu pelayuan yang terbaik pada pembuatan teh herbal daun kapuk randu muda (*Ceiba pentandra*, Gaertn.) berdasarkan uji kuantitatif kandungan kimianya. Penelitian ini didisain menggunakan Rancangan Acak Lengkap (RAL) dengan perlakuan 5 ulangan 3. Daun kapuk randu muda (*Ceiba pentandra*, Gaertn.) diproses menggunakan cara pembuatan teh hijau dengan perlakuannya lama waktu pelayuan mulai dari A: 5 menit, B: 10 menit, C: 15 menit, D: 20 menit dan E: 25 menit. Pengamatan yang dilakukan yaitu kadar air, kadar abu, aktifitas antioksidan, total fenol, kadar flavonoid, kadar alkaloid, kadar saponin, kadar tanin dan jika berbeda nyata dilanjutkan dengan uji Duncan's New Multiple Range Test (DNMRT) pada taraf 5%. Perlakuan lama waktu pelayuan pada teh herbal daun kapuk randu muda (*Ceiba pentandra*, Gaertn.) berbeda nyata terhadap kandungan, kadar air, kadar abu, aktifitas antioksidan, total fenol dan flavonoid. Pada penelitian ini perlakuan lama waktu pelayuan pada teh herbal daun kapuk randu muda (*Ceiba pentandra*, Gaertn.) kadar kimia yang terbaik ada pada perlakuan pelayuan E (lama pelayuan 25 menit) dengan kandungan komponen, kadar air 4,33%, kadar abu 7,70%, aktifitas antioksidan 80,87%, total fenol 488,67 mgGAE/g, flavonoid 1,6766% alkaloid 1,8418%, saponin 8,46% dan tanin 1,9864%.

Kata Kunci : *daun randu, teh herbal, antioksidan*

The Effect of Kapuk Randu Leafs Withering Time (*Ceiba pentandra*, Gaertn.) To The Characteristics of Herbal Tea

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ABSTRACT

This study was conducted at the Laboratory of Technology and Process Engineering of Agricultural Products, Chemical Laboratory, biochemical agricultural products and Nutrition, Laboratory of Total Quality Control (TQC) and Laboratory Instruments and Control Technology Faculty of Agriculture, University of Andalas Padang. This study was conducted from October 2016 until December 2016. The purpose of this study is to determine the best treatment withering time to make herbal tea from fresh kapok leaves (*Ceiba pentandra*, Gaertn.) that based on a quantitative test chemical content. This study was designed using completely randomized design (CRD) with five replications treatment of 3 young kapok leaves (*Ceiba pentandra*, Gaertn.) which processed using a method of making green tea with a treatment duration of withering from A:5 minutes, B:10 minutes, C:15 minutes, D:20 minutes and E:25 minutes. The Observations that has been done are the water content, ash content, antioxidant activity, total phenols, flavonoids levels, levels of alkaloids, saponins content, tannin levels and if the founding is significantly different, the test followed by Duncan's New Multiple Range Test (DNMRT) at 5% level. The whitering treatment on young kapok leaves (*Ceiba pentandra*, Gaertn.) was significantly different to the content, moisture content, ash content, antioxidant activity, total phenols and flavonoids. In this study, the duration of whitering treatment to make young kapok leaves herbal tea (*Ceiba pentandra*, Gaertn.) is found on E whitering treatment (withering process duration 25 minutes) with the component content, water content 4.33%, ash content of 7.70%, antioxidant activity 80.87%, total phenol 488.67 mgGAE/g, flavonoids 1.6766%, alkaloids 1.8418%, saponins 8.46% and tannins 1.9864%.

Keyword : randu leafs, herbal tea, antioxidant