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#2292 Summary

SUMMARY REVIEW EDITING

Submission

Authors	Alfrida Monica Salasa, St. Ratnah, Tajuddin Abdullah
Title	Kandungan Total Flavonoid dan Aktivitas Antioksidan Ekstrak Daun Kumis Kucing (<i>Orthosiphon stamineus</i> B.)
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Title and Abstract

Title	Kandungan Total Flavonoid dan Aktivitas Antioksidan Ekstrak Daun Kumis Kucing (<i>Orthosiphon stamineus</i> B.)
Abstract	

*Indonesian people know and are used to using the cat's whiskers plant (*Orthosiphon stamineus* B.) in medicine. The part of the plant that is commonly used by the community is the leaf. Cat whiskers leaves contain flavonoid compounds where these compounds have antioxidant activity that can counteract free radicals. The purpose of this study was to determine the total flavonoid content and antioxidant activity contained in the cat whiskers leaf extract. The sample in this study was cat whiskers leaves obtained from Makassar, South Sulawesi. Then extracted with 96% ethanol solvent by maceration method. Testing the total flavonoid content as quercetin using 2% AlCl₃ reagent and potassium acetate and testing antioxidant activity using the DPPH method. The results obtained showed that the total flavonoid content calculated as quercetin in the leaf extract of the cat's whiskers (*O. stamineus* B.) was 7.34158 mg QE/g or 0.734158% and the antioxidant activity of the cat's whiskers leaf extract expressed as IC₅₀ of 65.62513 ppm and is included in the group of strong antioxidants.*

Keywords: *Cat's Whiskers Leaves, Total Flavonoid Content, Antioxidants*

Masyarakat Indonesia mengenal dan biasa menggunakan tanaman kumis kucing (*Orthosiphon stamineus* B.) dalam pengobatan. Bagian tanaman tersebut yang biasa digunakan oleh masyarakat adalah daun. Daun kumis kucing mengandung senyawa flavonoid dimana senyawa ini memiliki aktivitas sebagai antioksidan yang dapat menangkal radikal bebas. Tujuan penelitian ini adalah untuk menentukan kandungan total flavonoid dan aktivitas antioksidan yang terkandung dalam ekstrak daun kumis kucing. Sampel dalam penelitian ini adalah daun kumis kucing yang diperoleh dari Makassar, Sulawesi Selatan. Kemudian diekstraksi dengan pelarut Etanol 96% dengan metode maserasi. Pengujian kandungan total flavonoid sebagai quercetin dengan menggunakan pereaksi AlCl₃ 2% dan kalium asetat dan pengujian aktivitas antioksidan dengan menggunakan metode DPPH. Hasil penelitian yang diperoleh menunjukkan kandungan total flavonoid yang dihitung sebagai quercetin dalam ekstrak daun kumis kucing (*O. stamineus* B.) sebesar 7,34158 mg QE/g atau 0,734158 % dan aktivitas antioksidan ekstrak daun kumis kucing yang dinyatakan sebagai IC₅₀ sebesar 65,62513 ppm dan termasuk dalam golongan antioksidan yang kuat.

Kata Kunci : Daun Kumis Kucing, Kandungan Total Flavonoid, Antioksidan

Indexing

Language	id
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Supporting Agencies

Aencies	—
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Submission



Authors Alfrida Monica Salasa, St. Ratnah, Tajuddin Abdullah 
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