

DAYA HAMBAT EKSTRAK ETANOL DAUN SERAI (*Cymbopogon citratus*) TERHADAP PERTUMBUHAN *Microsporum* sp.

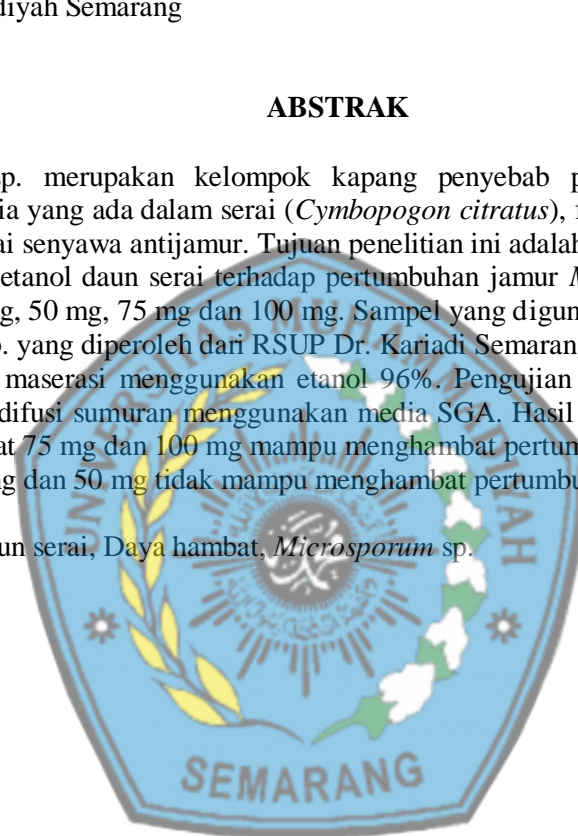
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ABSTRAK

Microsporum sp. merupakan kelompok kapang penyebab penyakit dermatofitosis. Kandungan kimia yang ada dalam serai (*Cymbopogon citratus*), flavonoid, saponin, tanin berfungsi sebagai senyawa antijamur. Tujuan penelitian ini adalah untuk mengetahui daya hambat ekstrak etanol daun serai terhadap pertumbuhan jamur *Microsporum* sp. dengan jumlah zat 25 mg, 50 mg, 75 mg dan 100 mg. Sampel yang digunakan adalah isolat jamur *Microsporum* sp. yang diperoleh dari RSUP Dr. Kariadi Semarang. Daun serai diekstraksi dengan metode maserasi menggunakan etanol 96%. Pengujian daya hambat dilakukan dengan metode difusi sumuran menggunakan media SGA. Hasil penelitian menunjukkan bahwa jumlah zat 75 mg dan 100 mg mampu menghambat pertumbuhan *Microsporum* sp. Jumlah zat 25 mg dan 50 mg tidak mampu menghambat pertumbuhan *Microsporum* sp.

Kata Kunci: Daun serai, Daya hambat, *Microsporum* sp.



**INHIBITIONS OF LEMONGRASS LEAVES ETHANOL EXTRACT
(*Cymbopogon citratus*) AGAINST THE GROWTH
*Microsporum sp.***

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ABSTRACT

Microsporum sp. is a group of mold that causes dermatophytosis. The chemical composition in lemongrass (*Cymbopogon citratus*) consists of flavonoids, saponins and tannins are known have function as an antifungal. The purpose of this research is to known inhibitions of lemongrass leaves ethanol extract against the growth *Microsporum sp.* with amount of substances are 25 mg, 50 mg, 75 mg and 100 mg. Which the sample using is *Microsporum sp.* isolate obtained from RSUP Dr. Kariadi Semarang. Lemongrass leaves are macerated method with ethanol 96%. The test inhibitions was prepared by diffusions of wells method in SGA plate. The result of study showing that amount of substances 75 mg and 100 mg can inhibiting the growth of *Microsporum sp.* Amount of substances 25 mg 50 mg can not inhibiting the growth of *Microsporum sp.*

Key words : Lemongrass leaves, Inhibitions, *Microsporum sp.*

