

**UJI AKTIVITAS ANTIJAMUR EKSTRAK ETANOL, ETIL ASETAT, DAN
N-HEKSAN DAUN PECUT KUDA (*Stachytarpheta jamaicensis*)
TERHADAP *Trichophyton rubrum***

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ABSTRAK

Dermatofitosis merupakan infeksi kulit akibat jamur dermatofita yang menyerang jaringan berkeratin seperti kulit, rambut, dan kuku. *Trichophyton rubrum* adalah spesies yang paling sering menyebabkan dermatofitosis kronis dan memiliki potensi resistensi terhadap antijamur sintetis. Penelitian ini bertujuan untuk mengetahui aktivitas antijamur ekstrak daun pecut kuda (*Stachytarpheta jamaicensis*) terhadap *Trichophyton rubrum*. Penelitian dilakukan secara eksperimental di laboratorium dengan metode difusi cakram. Ekstraksi dilakukan menggunakan metode maserasi dengan pelarut etanol 96%, etil asetat, dan n-heksan. Konsentrasi uji ekstrak yaitu 3529 µg/disk, 5000 µg/disk, 6666 µg/disk, dan 8560 µg/disk dengan kontrol positif ketokonazol 30 µg/disk dan kontrol negatif DMSO 10%. Hasil uji ekstrak etanol dan n-heksan daun pecut kuda tidak menunjukkan adanya aktivitas antijamur terhadap *Trichophyton rubrum*, dan ekstrak etil asetat daun pecut kuda menunjukkan aktivitas antijamur dengan diameter zona hambat sebesar 13 mm (6666 µg/disk), dan 14 mm (8560 µg/disk). Kesimpulan penelitian ini adalah ekstrak etil asetat daun pecut kuda memiliki aktivitas antijamur terhadap *Trichophyton rubrum*. Sedangkan ekstrak etanol dan n-heksan daun pecut kuda tidak memiliki aktivitas antijamur terhadap *Trichophyton rubrum*.

Kata kunci: Antijamur, *Stachytarpheta jamaicensis*, *Trichophyton rubrum*.

***ANTIFUNGAL ACTIVITY TEST OF ETHANOL, ETHYL ACETATE, AND N-
HEXANE EXTRACTS OF PECUT KUDA LEAVES (Stachytarpheta
jamaicensis) AGAINST Trichophyton rubrum***

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ABSTRACT

Dermatophytosis is a skin infection caused by dermatophyte fungi that attack keratinized tissues such as skin, hair, and nails. Trichophyton rubrum is the most common species causing chronic dermatophytosis and has the potential to develop resistance to synthetic antifungals. This study aimed to determine the antifungal activity of the ethanol extract of horsewhip leaves (Stachytarpheta jamaicensis) against Trichophyton rubrum. The study was conducted experimentally in the laboratory using the disc diffusion method. Extraction was carried out by maceration with 96% ethanol, ethyl acetate, and n-hexane as solvents. The tested extract concentrations were 3529 µg/disc, 5000 µg/disc, 6666 µg/disc, and 8560 µg/disc, with ketoconazole 30 µg/disc as the positive control and 10% DMSO as the negative control. The results showed that ethanol and n-hexane extracts of horsewhip leaves did not exhibit antifungal activity against Trichophyton rubrum, while the ethyl acetate extract showed antifungal activity with inhibition zone diameters of 13 mm (6666 µg/disc) and 14 mm (8560 µg/disc). The conclusion of this study is that the ethyl acetate extract of pecut kuda leaves (Stachytarpheta jamaicensis) exhibits antifungal activity against Trichophyton rubrum. In contrast, the ethanol and n-hexane extracts of pecut kuda leaves do not show antifungal activity against Trichophyton rubrum.

Keywords: Antifungal, Stachytarpheta jamaicensis, Trichophyton rubrum

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