

ABSTRAK

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Judul : Uji Aktivitas Antibakteri Ekstrak Etanol Daun Cincau Rambut (*Cyclea barbata* (L.) Miers.) Terhadap *Propionibacterium acnes* dan *Staphylococcus epidermidis*.

Daun cincau rambut (*Cyclea barbata* (L.) Miers.) mengandung senyawa metabolit sekunder seperti flavonoid, saponin, dan tanin. Penelitian ini bertujuan untuk mengetahui aktivitas antibakteri ekstrak etanol daun cincau rambut terhadap *Propionibacterium acnes* dan *Staphylococcus epidermidis*. Metode ekstraksi yang digunakan yaitu maserasi dalam pelarut etanol 70%. Pengujian aktivitas antibakteri menggunakan metode difusi cakram pada media *Muller Hinton Agar* (MHA) dengan konsentrasi ekstrak 0,6 g/mL; 0,8 g/mL dan 1 g/mL serta kontrol positif klindamisin untuk bakteri *Propionibacterium acnes* dan kloramfenikol untuk bakteri *Staphylococcus epidermidis* serta kontrol negatif DMSO 10%. Pengujian Konsentrasi Hambat Minimum (KHM) ekstrak etanol terhadap *Propionibacterium acnes* dan *Staphylococcus epidermidis* dengan konsentrasi ekstrak 0,15 g/mL; 0,3 g/mL dan 0,6 g/mL menggunakan metode dilusi padat pada media MHA. Hasil penelitian menunjukkan bahwa ekstrak etanol daun cincau rambut memiliki aktivitas antibakteri terhadap bakteri *Propionibacterium acnes* pada konsentrasi 0,6 g/mL; 0,8 g/mL dan 1 g/mL dengan diameter daya hambat berturut-turut 10,23 mm; 11,44 mm dan 12,19 mm dan terhadap bakteri *Staphylococcus epidermidis* pada konsentrasi yang sama menghasilkan diameter daya hambat berturut-turut 11,39 mm; 12,48 mm dan 13,45 mm. Nilai KHM ekstrak etanol daun cincau rambut terhadap *Propionibacterium acnes* dan *Staphylococcus epidermidis* ada pada konsentrasi 0,6 g/mL.

Kata kunci : Antibakteri, Daun Cincau Rambut, *Propionibacterium acnes*, *Staphylococcus epidermidis*.

ABSTRACT

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Title : Antibacterial Activity Test of Ethanol Extract of Green Grass Jelly (*Cyclea barbata* (L.) Miers.) Leaves Against *Propionibacterium acnes* and *Staphylococcus epidermidis*.

Green grass jelly (*Cyclea barbata* (L.) Miers) leaves contain secondary metabolites such as flavonoids, saponins, and tannins. This study aims to determine the antibacterial activity of ethanol extract of green grass jelly leaves against *Propionibacterium acnes* and *Staphylococcus epidermidis*. The extraction was prepared by maceration powder of green grass jelly leaves in 70% ethanol. The antibacterial activity test was conducted using by disk diffusion method on Muller Hinton Agar (MHA) with extract concentrations of 0.6 g / mL; 0.8 g / mL and 1 g / mL and positive control was clindamycin for *Propionibacterium acnes* and chloramphenicol for *Staphylococcus epidermidis* and 10% DMSO as negative control. The Minimum Inhibitory Concentration (MIC) test of ethanol extract against *Propionibacterium acnes* and *Staphylococcus epidermidis* with extract concentrations of 0.15 g / mL; 0.3 g / mL and 0.6 g / mL are using solid dilution method on MHA medium. The results showed that the ethanol extract of green grass jelly leaves have antibacterial activity against *Propionibacterium acnes* at concentrations of 0.6 g / mL; 0.8 g / mL and 1 g / mL with diameter of inhibition respectively 10.23 mm; 11.44 mm and 12.19 mm and against *Staphylococcus epidermidis* at the same concentration with diameter of inhibition respectively 11.39 mm; 12.48 mm and 13.45 mm. The MIC results of ethanol extract of green grass jelly leaves against *Propionibacterium acnes* and *Staphylococcus epidermidis* were 0.6 g / mL.

Keywords : Antibacterial, Green Grass Jelly Leaves, *Propionibacterium acnes*, *Staphylococcus epidermidis*.