DAYA HAMBAT EKSTRAK ETANOL DAUN CINCAU HIJAU (*Cyclea barbata L. Miers*) TERHADAP PERTUMBUHAN *Methicillin Resistant Staphylococcus aureus (MRSA)*

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ABSTRAK

Strain *Staphylococcus aureus* yang resisten terhadap antibiotik metisilin disebut *Metisilin Resisten Staphylococcus aureus (MRSA).* Daun cincau hijau diketahui mengandung antibakteri seperti flavonoid, alkaloid, saponin, tanin, dan steroid. Penelitian bertujuan untuk mengetahui daya hambat ekstrak etanol daun cincau hijau terhadap pertumbuhan *Methicillin Resistant Staphylococcus aureus (MRSA)* konsentrasi 200 mg/mL, 400 mg/mL, 600 mg/mL, 800 mg/mL, dan 1000 mg/mL. Penelitian dilakukan secara eksperimental dengan desain *Post Test Only Control Group*. Tahapan penelitian diawali dengan peremajaan bakteri *MRSA*, pembuatan ekstrak etanol daun cincau hijau dengan metode maserasi menggunakan pelarut etanol 96%. Pengujian antibakteri dilakukan dengan metode difusi sumuran. Hasil penelitian menunjukkan semua variasi konsentrasi pada sumuran belum mampu menghambat pertumbuhan *MRSA*.

Kata Kunci : Daun Cincau Hijau, *Methicillin Resistant Staphylococcus aureus (MRSA)*

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The Inhibition Ethanol Extract of Green Grass Jhelly (*Cyclea barbata L. Miers)* on The Growth of *Methicillin Resistant Staphylococcus aureus (MRSA)*

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ABSTRACT

Strain *Staphylococcus aureus* that resist for antibiotics methicillin are *Methicillin Resistant Staphylococcus aureus (MRSA).* Green grass jelly are known contained antibacterial such as flavonoids, alkaloids, saponins, tannins, and steroids. The aim of this research was to determine the inhibitory of ethanol extract green grass jelly on the growth of *Methicillin Resistant Staphylococcus aureus (MRSA)* concentration of 200 mg/mL, 400 mg/mL, 600 mg/mL, 800 mg/mL, dan 1000 mg/mL. The study was conducted experimentally with *Post Test Only Control Group*. The research begun with rejuvenation of *MRSA* bacteria, making ethanol extract of green grass jelly by maceration method used 96% ethanol solvent. The antibacterial testing carried out used well diffusion method. The result showed that all of the variations in concentration in the well had not been able to inhibit *MRSA* growth.

Keywords : Green Grass Jelly, *Metisilin Resisten Staphylococcus aureus (MRSA).*

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