

ABSTRAK

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Judul : Uji Aktivitas Antibakteri Ekstrak Etanol 70% Daun Karamunting
(*Rhodymyrtus tomentosa* (Aiton) Hassk.) Terhadap Bakteri
Staphylococcus epidermidis dan *Propionibacterium acnes*

Daun Karamunting (*Rhodymyrtus tomentosa* (Aiton) Hassk.) mengandung senyawa metabolit sekunder meliputi flavonoid, saponin, tanin, dan steroid. Penelitian ini bertujuan untuk mengetahui aktivitas antibakteri daun karamunting terhadap bakteri *Staphylococcus epidermidis* dan *Propionibacterium acnes*. Metode ekstraksi yang digunakan adalah maserasi dengan etanol 70%. Pengujian aktivitas antibakteri menggunakan metode difusi cakram pada media *Mueller Hinton Agar* (MHA) terhadap *Staphylococcus epidermidis* dengan konsentrasi 15%, 25%, 35%, 45% dengan kontrol positif kloramfenikol menunjukkan bahwa ekstrak etanol 70% daun karamunting memberikan hasil dengan diameter daya hambat 15,80; 21,62; 21,86; 23,19 mm dan terhadap bakteri *Propionibacterium acnes* dengan kontrol positif klindamisin memberikan hasil dengan diameter daya hambat berturut-turut 11,97; 12,68; 13,24; 15,17 mm. Pengujian Konsentrasi Hambat Minimum ekstrak etanol 70% daun karamunting terhadap bakteri *Staphylococcus epidermidis* pada konsentrasi 5% dan *Propionibacterium acnes* pada konsentrasi 15%.

Kata kunci :

Antibakteri, Daun Karamunting, *Rhodymyrtus tomentosa* (Aiton) Hassk, *Staphylococcus epidermidis*, *Propionibacterium acnes*.

ABSTRACT

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Judul : Antibacterial Activity of ethanol 70% extract of Karamunting
(*Rhodomyrtus tomentosa* (Aiton) Hassk.) Leaves Against
Staphylococcus epidermidis and *Propionibacterium acnes*

Karamunting leaves (*Rhodomyrtus tomentosa* (Aiton) Hassk.) contains secondary metabolites include flavonoids, saponins, tannins, and steroids. This study aims to determine the antibacterial activity of karamunting leaves against *Staphylococcus epidermidis* and *Propionibacterium acnes*. The extraction method is using maceration with ethanol 70% and for antibacterial activity test is using disc diffusion method on *Mueller Hinton Agar* (MHA) media against *Staphylococcus epidermidis* with various concentrations of 15%, 25%, 35%, 45% with chloramphenicol as positive control shows that inhibition zone diameters of karamunting leaves extract diameters are 15.80; 21.62; 21.86; 23.19 mm and inhibition zone diameters of *Propionibacterium acnes* with clindamycin as positive control are 11.97; 12.68; 13.24; 15.17 mm. The Minimum Inhibitory Concentration (MIC) test of 70% ethanol extract of karamunting leaves against *Staphylococcus epidermidis* is at 5% concentration and against *Propionibacterium acnes* is at 15% concentration.

Keywords :

Antibacterial, Karamunting Leaves, *Rhodomyrtus tomentosa* (Aiton) Hassk, *Staphylococcus epidermidis*, *Propionibacterium acnes*.