

## ABSTRAK

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Judul : Uji Aktivitas Antibakteri Ekstrak Etanol 96% Daun Akar Kaik-Kaik (*Uncaria cordata* (Lour.) Merr.) Terhadap Bakteri *Staphylococcus aureus* Dan *Salmonella typhi*.

Daun akar kaik-kaik (*Uncaria cordata* (Lour.) Merr.) merupakan salah satu tanaman yang mengandung metabolit sekunder seperti tanin, saponin dan flavonoid yang diketahui bersifat antibakteri. Tujuan penelitian ini adalah untuk mengetahui aktivitas antibakteri dari ekstrak etanol daun akar kaik-kaik (*Uncaria cordata* (Lour.) Merr.) terhadap *Staphylococcus aureus* dan *Salmonella typhi*. Bahan uji adalah daun segar yang diperoleh dari daerah hutan Larangan Adat, Riau. Ekstrak dibuat secara maserasi serbuk daun akar kaik-kaik menggunakan etanol 96%. Uji aktivitas antibakteri dilakukan dengan metode difusi cakram pada media *Nutrient Agar* (NA) dengan konsentrasi ekstrak 5%, 10%, 15%, 20%, 25% dan 30% dan uji konsentrasi hambat minimum (KHM) dengan dilusi padat pada media NA dengan konsentrasi 5%, 4%, 3%, 2% dan 1%. Hasil penelitian menunjukkan bahwa ekstrak etanol daun akar kaik-kaik mempunyai aktivitas antibakteri terhadap *S. aureus* pada konsentrasi 5%, 10%, 15%, 20%, 25% dan 30% dengan diameter daya hambat (DDH) berturut-turut sebesar 8,46; 10,78; 12,55; 16,67; 17,69; dan 19,35; mm dan terhadap *S. typhi* pada konsentrasi 5%, 10%, 15%, 20%, 25% dan 30% dengan diameter daya hambat (DDH) berturut-turut sebesar 7,51; 7,83; 12,08; 14,00; 15,82; dan 16,24; mm. Konsentrasi hambat minimum (KHM) ekstrak etanol daun akar kaik-kaik terhadap kedua bakteri ada pada konsentrasi 4%.

**Kata kunci:**

Antibakteri, *Uncaria cordata* (Lour.) Merr., *Staphylococcus aureus*, *Salmonella typhi*, etanol.

## ABSTRACT

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Study Program : Faculty of Pharmacy  
Title : Antibacterial Activity Kaik-Kaik leaves 96% Ethanol Extract (*Uncaria cordata* (Lour.) Merr.) Against *Staphylococcus aureus* and *Salmonella typhi*.

Akar kaik-kaik (*Uncaria cordata* (Lour.) Merr.) is one of the plants that contain secondary metabolites such as tannins, saponins and flavonoids known as antibacterials. The purpose of this study was to determine the antibacterial activity of ethanol extract of akar kaik-kaik leaves against *Staphylococcus aureus* and *Salmonella typhi*. The leaves was material obtained from the Larangan Adat forest area, Riau, Indonesia. The extract was prepared by maceration of akar kaik-kaik leaf powder using 96% ethanol. Antibacterial activity test was carried out by disc diffusion method on Nutrient Agar (NA) media with extract concentrations of 5%, 10%, 15%, 20%, 25% and 30% and minimum inhibitory concentration tests (MIC) with dilution method on NA media with concentration of 5%, 4%, 3%, 2% and 1%. The results showed that the ethanol extract of akar kaik-kaik leaves had antibacterial activity against *S. aureus* at concentrations of 5%, 10%, 15%, 20%, 25% and 30% with inhibitory diameters of 8,46; 10,78; 12,55; 16,67; 17,69; and 19,35; mm and against *S. typhi* at concentrations of 5%, 10%, 15%, 20%, 25% and 30% with inhibitory diameters of 7,51; 7,83; 12,08; 14,00; 15,82; and 16,24; mm. The minimum inhibitory concentration (MIC) of the akar kaik-kaik leaves ethanol extract against both bacteria was obtained at concentration of 4%.

### Keywords:

Antibakteri, *Uncaria cordata* (Lour.) Merr., *Staphylococcus aureus*, *Salmonella typhi*, ethanol.