

KARYA TULIS ILMIAH
UJI AKTIFITAS ANTIBAKTERI EKSTRAK ETANOL
DAUN AWAR-AWAR (*Ficus septica burm. f*)
TERHADAP PERTUMBUHAN BAKTERI
Staphylococcus aureus



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2016

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Judul : Uji Aktivitas Antibakteri Ekstrak Etanol Daun Awar-Awar
(*Ficus septica burm. f*) Terhadap Pertumbuhan Bakteri
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PERNYATAAN

UJI AKTIFITAS ANTIBAKTERI EKSTRAK ETANOL DAUN AWAR-AWAR (*Ficus septica burm. f*) TERHADAP PERTUMBUHAN BAKTERI *Staphylococcus aureus*

Dengan ini saya menyatakan bahwa dalam Karya Tulis Ilmiah ini tidak terdapat karya yang pernah diajukan untuk di suatu perguruan tinggi, dan sepanjang pengetahuan saya juga tidak terdapat karya atau pendapat yang pernah ditulis atau diterbitkan oleh orang lain, kecuali yang secara tertulis diacu dalam naskah ini dan disebut dalam daftar pustaka.

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ANTIBACTERIAL ACTIVITY TEST Ethanol Extract Awar-Awar LEAVES (*Ficus Septica Burm. F*) AGAINST BACTERIA GROWTH *Staphylococcus Aureus*

ix + 37 pages + 1 table + 12 pictures + 5 attachments

ABSTRACT

Infectious diseases in this day and age still ranks top cause of illness and death in developing countries, including Indonesian. Most infections are caused by bacteria, One of those bacteria are *Staphylococcus aureus*.

Treatment of infections are most often used with antibiotics. The use of certain antibiotics is expected to have a positive impact, but the rational use of antibiotics will cause a negative impact. The negative impact of the use of antibiotics that are not rational, among others emergence and development of bacteria resistant to antibiotics and toxicity / side effects of drugs.

Awar awar-leaf extract prepared by maceration using 96% ethanol as a liquid penyari then evaporated with evaporator. Antibacterial activity test carried gelatin media diffusion method is using the media to have been planted bacteria with a concentration of 25%, 50% to 75% and 96% ethanol as a negative control and a positive control is tetracycline. The parameters of the visits is the amount of inhibition zone in the form of a clear area around the paper discs (paper disk) on Media Muller Hilton To be measured with calipers.

Based on the results obtained from the research data we can conclude that the leaf extract awar-awar ethanol at a concentration of 25%, 50% and 75% have a zone of inhibition against *Staphylococcus aureus* average of 18.9 mm, and 23.9 mm 19,9mm. The third of this concentration can be regarded as antibacterials that are bactericidal because of greater than 16 mm..

Keywords: Leaf Awar-awar, Antibacterials, *Staphylococcus aureus*