

**AKTIVITAS ANTIBAKTERI SEDIAAN DEODORAN ROLL-ON
HIDROSOL DAUN BELUNTAS (*Pluchea indica* (L.) Less.) TERHADAP
PERTUMBUHAN *Staphylococcus saprophyticus***

Dewy, 2007

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ABSTRAK

Telah dilakukan uji aktivitas antibakteri sediaan deodoran roll-on hidrosol daun beluntas (*Pluchea indica* (L.) Less.) sebelum dan sesudah diformulasi sesuai dengan persyaratan mutu kosmetik terhadap pertumbuhan bakteri *Staphylococcus saprophyticus*. Hidrosol didapatkan dengan cara destilasi daun beluntas dengan alat destilasi dengan air. Hidrosol yang diperoleh diformulasi dalam sediaan deodoran roll-on dalam basis gel kemudian di uji daya antibakterinya dengan metode difusi agar menggunakan *cylinder cup*. Daya hambat diukur berdasarkan diameter daerah hambatan pertumbuhan bakteri uji. Hasil penelitian menunjukkan bahwa pada pemberian sediaan deodoran roll-on formula C memberikan hambatan pada pertumbuhan bakteri, sedangkan pada pemberian kontrol aqua bidestilata steril, hidrosol 80%, Formula A, dan Formula B tidak memberikan daya hambat pada pertumbuhan bakteri *Staphylococcus saprophyticus*. Dari hasil penelitian dapat disimpulkan bahwa hidrosol daun beluntas tidak dapat memberikan hambatan terhadap pertumbuhan bakteri *Staphylococcus saprophyticus*.

Kata kunci: Antibakteri; Deodoran; Hidrosol; Beluntas (*Pluchea indica* (L.) Less.); *Staphylococcus saprophyticus*.

**ANTIBACTERIAL ACTIVITY OF DEODORANT ROLL-ON
PREPARATION OF BELUNTAS (*Pluchea indica* (L.) Less.) LEAVES
HYDROSOL TOWARDS THE GROWTH OF *Staphylococcus saprophyticus***

Dewy, 2007

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ABSTRACT

The antibacterial activity test of deodorant roll-on preparation of beluntas (*Pluchea indica* (L.) Less.) leaves hydrosol preparation has been conducted before and after being formulated as per cosmetic quality requirements towards the growth of *Staphylococcus saprophyticus* bacteria. Hydrosol was obtained by the means of beluntas leaves distillation using the water distillation devices. Hydrosol obtained was formulated in the deodorant roll-on preparation in the gel basis and then the antibacterial power was tested by diffusion method in order to use *cylinder cup*. The inhibiting power was measured based on the diameter of inhibiting area/zone of tested bacteria growth. The testing results showed that in the present deodorant roll-on preparation formula C to give inhibiting in the growth bacteria, whereas in the present aquabidestilata sterile, hydrosol 80%, formula A and formula B could not give inhibiting power in the growth of *Staphylococcus saprophyticus* bacteria. From the research results, it could be concluded that beluntas leaves hydrosol could not give inhibition towards the growth of *Staphylococcus saprophyticus* bacteria.

Key Words : Antibacterial; Deodorant; Hydrosol; Beluntas (*Pluchea indica* (L.) Less.); *Staphylococcus saprophyticus*.