

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

Regina, 2007

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ABSTRAK

Telah dilakukan uji aktivitas antibakteri deodoran hidrosol daun beluntas [*Pluchea indica* (L.) Less] sebelum dan sesudah diformulasi mengikuti syarat mutu kosmetik dalam bentuk sediaan roll-on terhadap pertumbuhan *Staphylococcus epidermidis*. Hidrosol didapatkan dengan cara destilasi air daun beluntas. Hidrosol yang diperoleh kemudian diformulasi dalam bentuk sediaan deodoran roll-on gel kemudian diuji aktivitas antibakterinya dengan metode difusi agar menggunakan *Cylinder cup*. Aktivitas antibakteri diukur berdasarkan diameter daerah hambatan pertumbuhan bakteri uji. Hasil penelitian menunjukkan bahwa deodoran roll-on hidrosol daun beluntas tidak memiliki daya hambat terhadap pertumbuhan *Staphylococcus epidermidis*. Deodoran roll-on formula C mempunyai aktivitas antibakteri terhadap pertumbuhan *Staphylococcus epidermidis*.

Kata kunci: Hidrosol, Beluntas [*Pluchea indica* (L.) Less], Deodoran roll-on *Staphylococcus epidermidis*.

**ANTIBACTERIAL ACTIVITIES OF HYDROSOL ROLL – ON
DEODORANT PREPARATIONS OF GARDENIA LEAVES [*Pluchea
indica* (L.) Less] TOWARDS THE GROWTH OF *Staphylococcus
epidermidis***

Regina, 2007

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ABSTRACT

The antibacterial activities tests of hydrosol deodorant of gardenia leaves [*Pluchea indica* (L.) Less] have been conducted before and after being formulated as per cosmetic quality requirements in the roll-on preparations form towards the growth of *Staphylococcus epidermidis*. Hydrosol was obtained by the ways of distillations of gardenia leaves water/liquid. The hydrosols obtained was then formulated in the deodorant roll-on gel and later the antibacterial activities were tested by diffusion method in order to use *cylinder cup*. The antibacterial activities were measured based on the diameter of test bacterial growth of barrier areas/zones. The research results showed that hydrosol deodorant roll-on of gardenia leaves which had no inhibiting power towards the growth of *Staphylococcus epidermidis*. Deodorant roll-on Formula C had the antibacterial activities towards *Staphylococcus epidermidis* growth.

Key Words : Hydrosol, Gardenia [*Pluchea indica* (L.) Less], Deodorant roll-on, *Staphylococcus epidermidis*