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**PENETAPAN KADAR GENDARUSIN A DALAM
FRAKSI ETANOL 60% DAN FASA AIR DAUN
Gendarussa vulgaris NEES DENGAN METODE HPLC**



**MILIK
PERPUSTAKAAN
UNIVERSITAS AIRLANGGA
SURABAYA**

**FAKULTAS FARMASI UNIVERSITAS AIRLANGGA
BAGIAN ILMU BAHAN ALAM
SURABAYA
2004**

Lembar Pengesahan

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**Dibuat Untuk Memenuhi Syarat
Mencapai Gelar Sarjana Farmasi Pada Fakultas Farmasi
Universitas Airlangga
2004**


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ABSTRACT

Gendarusin A is a major component of *Gendarussa vulgaris* Ness. This component has structure 6,8 - di- α -L-arabinopiranosil-4',5,7, trihidroksi-flavon and has antifertility effect by decrease hyaluronidase enzyme of mouse sperm. In this research gendarusin A assay was done with HPLC method. From methods validation get the result selectivity factor (α) in ethanol fraction is 1,751 and in water phase is 1,202. And Rs gendarusin A in ethanol fraction is 1,221 and in water phase is 1,378. The Limit of Quantitation (LOQ) is 0,4636 μ g/ml. The linear regression equation is $Y = 14285,1022x - 119275,4160$ and the correlation coefficient is 0,9970. In accuracy test, the recovery % in ethanol fraction is 91,65% and in water phase is 84,86%. In precision test, the RSD (Relative Standard Deviation) is 5,72%. Gendarusin A assay in ethanol fraction is 2,02% w/w and in water phase is 0,19% w/w.

Key words: gendarusin A, assay, water phase, ethanol fraction, HPLC