

**EFEKTIVITAS DAUN KATUK (*Sauropus androgynus* (L.)  
Merr.) TERHADAP MOTILITAS DAN VIABILITAS  
SPERMATOZOA MENCIT JANTAN  
(*Mus musculus*)**

Arisyanti Prima Nugrahesti, 2011  
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**ABSTRAK**

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian seduhan daun katuk (*Sauropus androgynus* (L.) Merr.) terhadap motilitas dan viabilitas spermatozoa mencit (*Mus musculus*). Seduhan daun katuk diberikan secara oral setiap hari selama 14 hari. Terdapat 4 kelompok perlakuan yaitu kelompok kontrol diberi Aqua demineralisata (K), kelompok perlakuan I diberi 750mg/kg bb (U<sub>1</sub>), kelompok perlakuan II diberi 1,25 g/kg bb (U<sub>2</sub>) dan kelompok perlakuan III diberi 1,75g/kgbb (U<sub>3</sub>), masing-masing kelompok terdiri dari 7 ekor mencit. Hasil penelitian menunjukkan bahwa pemberian seduhan daun katuk selama 14 hari dapat menurunkan motilitas spermatozoa bila dibandingkan dengan kontrol. Sedangkan viabilitas spermatozoa tidak terpengaruh oleh pemberian seduhan daun katuk.

*Kata kunci : daun katuk (Sauropus androgynus (L.) Merr.), mencit (Mus musculus), motilitas, viabilitas, spermatozoa.*

# **EFFECT OF KATUK LEAVES (*Sauropus androgynus* (L.) Merr.) TREATMENT ON VIABILITY AND MOTILITY OF MICE (*Mus musculus*) SPERMATOZOA**

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## **ABSTRACT**

This research was aimed to study the effect of katuk leaves (*Sauropus androgynus* (L.) Merr.) treatment on viability and motility of mice (*Mus musculus*) spermatozoa. The extract was given orally once a day in 14 days. The animals were divided into four groups; one control group and three treatment groups with five replicates each. (K= control group was given Aqua demineralisata; U<sub>1</sub> = treatment group was given 750 mg/Kg body weight/day; U<sub>2</sub> = treatment group was given 1,25 g/Kg body weight/day; U<sub>3</sub> = treatment group was given 1,75 g/Kg body weight/day). The result of the study showed that motility were decreased significantly after receiving katuk leaves (*Sauropus androgynus* (L.) Merr.) for 14 days, while the viability remains unaffected.

*Keywords : katuk leaves (Sauropus androgynus (L.) Merr.), mice (Mus musculus), motility, viability, spermatozoa*