

**EFEK DAUN KATUK (*Sauropus androgynus* (L.) Merr.) TERHADAP
KUALITAS SPERMATOZOA MENCIT JANTAN (*Mus musculus*)
SECARA HISTOLOGI**

Silvia Ricca Meilany, 2012

Pembimbing : (I) Lucia E. Wuryaningsih, (II) Mas Loegito

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian seduhan daun katuk (*Sauropus androgynus* (L.) Merr.) terhadap proses spermatogenesis mencit (*Mus musculus*). Seduhan daun katuk diberikan secara oral setiap hari selama 14 hari. Terdapat 4 kelompok perlakuan yaitu kelompok kontrol (K) diberi Aqua destilata, kelompok Uji I (U₁) diberi 750 mg/kg BB, kelompok Uji II (U₂) diberi 1,25 g/kg BB dan kelompok Uji III (U₃) diberi 1,75 g/kg BB, masing-masing kelompok terdiri dari 7 ekor mencit. Hasil penelitian menunjukkan bahwa pemberian seduhan daun katuk selama 14 hari dapat mempengaruhi proses spermatogenesis mencit jantan (*Mus musculus*) bila dibandingkan dengan kontrol.

Kata kunci : daun katuk (Sauropus androgynus (L.) Merr.), mencit (Mus musculus), spermatogenesis, histologi.

EFFECT OF KATUK LEAVES (*Sauropus androgynus* (L.) Merr.) TREATMENT ON SPERMATOZOA QUALITY IN TESTES HISTOLOGY OF MICE (*Mus musculus*)

Silvia Ricca Meilany, 2012

Advisers : (I) Lucia E. Wuryaningsih, (II) Mas Loegito

ABSTRACT

This research was aimed to study the effect of katuk leaves (*Sauropus androgynus* (L.) Merr.) treatment on spermatogenesis of mice (*Mus musculus*). 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; U₁ = treatment group was given 750 mg/Kg body weight/day; U₂ = treatment group was given 1,25 g/Kg body weight/day; U₃ = treatment group was given 1,75 g/Kg body weight/day). The result of the study showed that spermatogenesis were decreased significantly after receiving katuk leaves (*Sauropus androgynus* (L.) Merr.) for 14 days.

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