# PENGARUH PEMBERIAN EKSTRAK ETANOL DARI TUMBUHAN BENALU KOPI (*Scurrula ferruginea* (Jack) Danser) TERHADAP KADAR KOLESTEROL MENCIT PUTIH JANTAN

## ABSTRAK

Telah dilakukan penelitian untuk melihat pengaruh ekstrak etanol benalu kopi *Scurrula ferruginea* (Jack) Danser terhadap kadar kolesterol mencit putih jantan secara enzimatis menggunakan alat *Nesco® MultiCheck*. Penelitian dilakukan secara eksperimental dengan menggunakan 4 kelompok mencit (tiap kelompok terdiri dari 3 ekor) yaitu kelompok kontrol dan 3 kelompok perlakuan. Optimalisasi kolesterol dilakukan dengan pemberian kuning telur puyuh sebanyak 1% berat badan selama 7 hari. Sampel diberikan dalam bentuk suspensi secara oral dengan dosis 100, 200 dan 400 mg/kgBB selama 21 hari dan pengukuran kadar kolesterol total dilakukan pada hari ke-7, 14 dan 21. Data dianalisa dengan ANOVA dua arah. Hasil analisa statistik menunjukkan bahwa variasi dosis dan korelasi variasi dosis dengan lamanya pemberian menunjukkan perbedaan yang bermakna ($p<0,05$) sedangkan lamanya pemberian tidak menunjukkan perbedaan yang tidak bermakna ($p>0,05$). Setelah dilanjutkan dengan uji *Duncan's Multiple Range Test* tidak terlihat perbedaan pengaruh yang nyata antara kelompok perlakuan dengan kelompok kontrol.

Kata Kunci : *Scurrula ferruginea* (Jack) Danser, kolesterol, ekstrak etanol

# THE EFFECT OF ETHANOLIC EXTRACT FROM COFFEE PARASITE LEAVES (*Scurrula ferruginea* (Jack) Danser) ON THE LEVEL OF CHOLESTEROL MALE WHITE MICE


## ABSTRACT

A study about the effect of ethanolic extract from the leaves of *Scurrula ferruginea* (Jack) Danser on the cholesterol level has been investigated to white male mice enzimatically using *Nesco® MultiCheck*. This study was conducted experimentally using 4 groups of mice (each group consists of 3 mice) which were divided as negative control group and 3 group of treatment. Optimization of cholesterol level was performed by administration a quail's yolk 1% BW for 7 days. Samples were given orally in the form of suspension with doses of 100, 200 and 400 mg/kgBW respectively for 21 days and cholesterol level was determined at the $7^{th}$, $14^{th}$ and $21^{th}$ day. Data of cholesterol level were analyzed using two-way ANOVA statistical analyses. Result showed that the ethanol extract of leaves of *Scurrula ferruginea* (Jack) Danser at various doses and the correlation with the length of administration were significantly different ($p < 0.05$), while the length of administration was not significantly different ($p > 0.05$). After followed by *Duncan's Multiple Range Test* there is no significant influenced differences between the treatment group and control group.



Keyword : (*Scurrula ferruginea* (Jack) Danser), cholesterol, ethanol extract