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FAKULTAS KEDOKTERAN HEWAN
UNIVERSITAS AIRLANGGA

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The Influence of Api - Api (Avicennia marina) Leaves Extract Toward Embryo Resorbtion, Body Weight and Lengh Toetal Mice (Mus musculus)

Pengaruh Pemberian Ekstrak Daun Api - Api (Avicennia marina) Terhadap Resorpsi Embrio, Berat Badan dan Panjang Badan Janin Mencit (Mus musculus)

1. Erni Dwi Wijayanti --> PPDH Fakultas Kedokteran Hewan Universitas Airlangga / vetunair@telkom.net
2. Bambang Poernomo Soenardiraharjo --> Fakultas Kedokteran Hewan Universitas Airlangga / .
3. Budi Utomo --> Fakultas Kedokteran Hewan Universitas Airlangga / .

Abstract

This research was conducted to observe the influence of application on different doses api-api (Avicenniaarina) leaves extract toward embryo resorbtion, body weight and lenght foetal mice (Mus musculus). Thisresearch was used 24 male and 24 female matured mice. Female mice were divided randomly into four groups.Each group was used different doses. First group was control and used 1% CMC (Carboxymethylcellulose);second group was used api-api leaves extract 2 gram/kg body weight into CMC 1%; third group was used apiapileaves extract 2,5 gram/kg body weight into CMC 1%; fourth group was used api-api leaves extract 3 gram/kg body weight into CMC 1%. The experiment given per oral on 6-15 pregnancy days. The first day ofpregnancy will known if both of them were mating, and female mice shown vaginal plug. The result shown thatapplication of api-api leaves extract was not significantly different for embryo resorbtion and for body weightmice foetus ($P>0,05$), but it was significantly different for lenght foetal mice ($P<0,05$).

Keyword : Avicennia, marina, extract, embryo, resorbtion, foetal, mice, ..

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