PENGARUH PEMBERIAN EKSTRAK BIJI METE (*Anacardium occidentale*, L.)TERHADAP PERKEMBANGAN FOLIKEL OVARIUM TIKUS PUTIH (*Rattus norvegicus*, L.

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh ekstrak biji mete (*Anacardium occidentale*, L.) terhadap perkembangan folikel ovarium tikus putih (*Rattus norvegicus*, L.).

Jenis penelitian ini adalah eksperimen. Rancangan penelitian adalah Rancangan Acak Lengkap. Objek penelitian adalah 20 ekor tikus putih betina, strain Wistar, umur ± 2 bulan dengan berat badan 150-200 gram. Tikus putih kemudian dibagi menjadai 4 kelompok dengan masing-masing kelompok terdiri dari 5 ekor tikus, yaitu kelompok P0 (0 mg/200 gr BB/hari), P1 (50 mg/200 gr BB/hari), P2 (100 mg/200 gr BB/hari) dan P3 (150 mg/200 gr BB/hari). Data yang diamati adalah menghitung jumlah folikel primer, sekunder, tersier, de Graff, korpus luteum dan folikel atresia. Data dianalisis dengan *Kruskal-Wallis*.

Hasil penelitian menunjukkanbahwa pemberian ekstrak biji mete berpengaruh secara nyata ($p<0,05$) menurunkan folikel sekunder dan tersier namun tidak berpengaruh secara nyata menurunkan folikel primer, de Graff , korpus luteum dan folikel atresia.

Kata kunci: ekstak biji mete, folikel ovarium, tikus putih.

THE INFLUENCE OF CASHEW (*Anacardiumoccidentale*, L.) EXTRACT TO THE DEVELOPMENT OF OVARIAN FOLLICLES ON WHITE RAT (*Rattusnorvegicus*, L.)

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ABSTRACT

The research purpose is to know the Influence of cashew (*Anacardium occidentale,* L.) extract to the development of ovarian follicles on white rat (*Rattus norvegicus*, L.).

This research type is one factor experiment. Design of research is random pattern design. The object of the research is 20 female white rats *wistar* strain that its age is ± 2 months, the object's weight must be ± 200 grams, never pregnant before. There are divided into four groups with each group consisting of 5 white rats: P0 (0 mg/200 gr BB/day), P1 (50 mg/200 gr BB/day), P2 (100 mg/200 gr BB/day) and P3 (150 mg/200 gr BB/day). The quantity of primary follicles, secondary follicles, tertiary follicles, de Graff follicles, corpus luteum and atresia follicles are observed as the source of the data. Kruskal –Wallis Test is used analyze the cashew extract intake influence toward the development of ovarian follicles.

The result of the research indicates that cashew extract intake give any significant influence($p<0,05$) toward the quantity of secondary follicles and tertiary follicles, de Graff follicles, corpus luteum and atresia follicles. however, intake do not give any significant influence toward the quantity of primery follicles, de Graff follicles, corpus luteum and atresia follicles.

Keyword: cashew extract, ovarian follicles, white rat.