

PENGARUH BERBAGAI DOSIS JUS BUAH STRAWBERRY (*Fragaria Spp*) TERHADAP PENURUNAN SUHU TUBUH TIKUS PUTIH (*Rattus norvegicus*) YANG DIDEMAMKAN DENGAN VAKSIN DPT



Oleh: LINDA HERLINA (04330041)

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ABSTRACT

Fever is a temperature increasing because of microorganism or non microorganism which causes leucosit produced interleukin I/IL 1 (pirogen endogen) it can cause prostaglandin production in hipotalamus, which can increase temperature in order to became fever. Strawberry contain of salucylate acid as antipyretic because salicylates can avoid the making prostaglandin the purpose of this research in to know the influence of strawberry juice. In somekind of dose at temperature decreasing of male rats and the dosa of strawberry juice which is more effective.

The research kinds is true experimental research,use the pretest posttest control group design 28 rats consist of 7 treatment group in four times treatment is the sample random sampling. This research use free variable that is strawberry juice dose, variable depend on rat temperature decreasing.then control variable are sex of rat, age of rat, weight of rat, DPT vaccine dose,rat stable condition kinds of food and water for rat. Experiment planning use “ rancangan acak lengkap” data analyzis use ANAVA and duncan’s test.

Based on research result and variant analyzis result, it can conclude that “F hitung > F table” on 1 % signify level shows the influence of strawberry juice in some doses on rat temperature decreasing after 6 hours controlling oftemperatur decreasing.from the result of duncan’s test. Strawberry juice 1 %dose. Goup 6 (16 ml/gr strawberry juice) is the most effective to decrease rat temperature to became normal temperature. Almost this result is not different with group B (pacetamol 0,083 mg/gr BB).

Research result show that after 6 hours consuming 16 ml/gr BB strawberry juice is affective as antipyretic to decrease temperature until normal. In the order hand, it need more research about toxic test and clinic test for bigger mammals than rat, for exsample rabbit, cat and volunteer to know influence of strawberry juice for human of body. Finally it also need to do a research for leaves, rat and stem of strawberry as antiseptic.