

## ABSTRAK

Penelitian yang telah dilakukan bertujuan untuk mengetahui efek jamu “Y” pada tikus putih betina dengan gangguan toleransi glukosa akibat efek samping pemberian kontrasepsi kombinasi medroksiprogesteron asetat 5 mg/0,1 ml – estradiol sipionat 1 mg/0,1 ml secara intramuskular. Hewan coba yang digunakan tikus putih betina strain wistar berjumlah 20 ekor yang setelah dipuasakan diinduksi dengan medroksiprogesteron asetat – estradiol sipionat secara intramuskular. 4 jam kemudian dilakukan pengukuran kadar glukosa darah yang selanjutnya dibagi 2 kelompok, yaitu 10 ekor kelompok kontrol (diberi aquadest 25 ml/kg BB peroral) dan 10 ekor kelompok uji (diberi jamu “Y” 25 ml/kg BB peroral). Analisa data menunjukkan adanya perbedaan bermakna (signifikan  $<0,05$ ) pada kadar glukosa darah normal tikus dengan kadar glukosa darah setelah diinduksi. Berdasarkan hasil penelitian, diperoleh prosentase penurunan kadar glukosa darah sebesar 5,41%. Sehingga dapat disimpulkan bahwa jamu “Y” dapat menurunkan kadar glukosa darah tikus putih betina dengan gangguan toleransi glukosa akibat efek samping pemberian kontrasepsi kombinasi medroksiprogesteron asetat – estradiol sipionat secara intramuskular.

## ABSTRACT

The research have been performed have the objection to know the medicinal herbs effect “Y” to the white rat with the glucose tolerance interference because the side effect of giving of combination contraception of medroxyprogesteron acetate of 5 mg/0,1 ml – estradiol cypionate of 1 mg/0,1 ml as intramuscular. The experimental animal used was female white rat of strain wistar number in 20 rats, which after satisfied inducted with medroxyprogesteron acetate – estradiol cypionate as intramuscular. 4 hours later it was made the blood glucose degree measurement that furthermore divided into 2 groups, that is 10-rats control group (given by aquadest of 25 ml/kg BW peroral) and 10-rats test group (given by herbs “Y” of the 25 ml/kg BW). Data analysis indicated the presence of the significant difference (significant  $<0.05$ ) on rat’s normal blood glucose degree with the blood glucose degree after induced. Based on the research result, it was obtained the decreasing percentage of blood glucose degree of 5.41%. So it can be concluded that the “Y” medicinal herbs can decrease the blood glucose degree of the female white rats with the glucose tolerance interference because the side effect of giving of combination contraception of medroxyprogesteron acetate and estradiol cypionate as intramuscular.