THE INFLUENCE OF WATER CLOVER’S LEAF (*Marsiela crenata*)
EXTRACT TREATMENT TO BLOOD ESTROGEN LEVEL OF
FEMALE RAT (*Rattus norvegicus*)

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ABSTRACT

The aim of this research was to find out the influence of *Marsiela crenata*’s leaf extract to blood estrogen level in female rat. 24 female rats aged 18 months weighted ± 300 grams, devided into four treatment and six replicates. P0 as control (aquadest), P1 (*Marsiela crenata*’s leaf extract 10 mg/kg body weight), P2 (*Marsiela crenata*’s leaf extract 30 mg/kg body weight) and P3 (*Marsiela crenata*’s leaf extract 100 mg/kg body weight). The treatment were given twice everyday at 6 a.m. and 6 p.m. until ten days. Taking over of the blood were done at eleven days for blood estrogen level test with Radio Immuno Assay. The result show that *Marsiela crenata*’s leaf extract of female rat has effect, it can be notice from the increasing blood estrogen level, the highest level blood estrogen were consist of P2, P3, P1 and the lowest level of P0.

*Key words*: *Marsiela crenata*’s leaf, extract, estrogen, female rat