

**COMPARISON OF ESTROGEN RATE OF SEMANGGI LEAFS (*Marsilea crenata*) AND EDAMAME SOYABEANS (*Glycine max (L.) merr*)**

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**ABSTRACT**

This study was aimed to identify the comparison the estrogen concentration of semanggi leafs and edamame soyabeans in fresh and dry condition. Semanggi leafs and edamame soyabeans which were used for each one was 1 gram. They were dried with now sunsh:ne directly for 3 to 4 days. Semanggi leafs and edamame soyabeans in fresh condition and also which were already dried were collided and add 4 ml aquadest. The result of infusa were test by using RIA technique. The studied parameter was estradiol concentration of semanggi leafs and edamame soyabeans in fresh and dry condition. The comparison estrogen concentration of semanggi leafs and edamame soyabeans analyzied with Duncan's multiple range test. Based on the data above, it showed that significantly difference of estradiol concentration in semanggi leafs of each condition fresh and dried also in edamame soyabeans of each condition ( $p < 0,05$ ).

Keywords : Estrogen hormone, semanggi leafs, edamame soyabeans.