Menopause Diagnostic Confirmation Based on Vagina Celluler Evaluation and Concentration of Estrogen on Mice (Mus musculus)

Wahyu Desi Rosanty

ABSTRACT

The aim of this study was to know vagina celluler form and the concentration of estrogen on menopause stage of mice (Mus musculus). This study using 15 female mices, the age between 11-12 months and they had been injected with PMSG (Pregnant Mare’s Serum Gonadotropin) hormone for superovulation. The hormone were examined using Radioimmunoassay (RIA) test. Data result were analyzed with T test. The result of this study was shown that menopause stage had lower concentration of estrogen than diestrus. The concentration of estrogen on menopause shown the average value 9.87 with SD 4.658 and value estrogen for diestrus shown the average value 32.93 rate with SD 3.240.

Key words: menopause, diestrus, vagina celluler evaluation, RIA, estrogen hormone.