PROGESTERONE PROFILE OF ETAWA CROSSBRED DOES IN PART OF A REPRODUCTIVE CYCLE AT UPT PT-HMT SINGOSARI MALANG

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ABSTRACT

The aim of this study was to know the progesterone concentration of Etawa Crossbred does on day 0, day 21 after mating, day 42 after mating, day 63 after mating and day 84 after mating. Experimental animals used in this study were 5 Etawa Crossbred does. All does were injected with PGF2α twice with an interval of 11 days for estrus synchronization and mating on day 2 after the second injection of PGF2α. Blood collection was taken from the jugular vein of 3 Etawa Crossbred does diagnosed as pregnant in the third month after mating by abdominal palpation. Progesterone concentration was measured by the ELISA technique. Mean progesterone concentration (ng/ml) and standard deviation on the day of samples collected were 1.52 ± 0.33; 7.08 ± 1.02; 5.50 ± 2.82; 12.01 ± 5.30; 12.04 ± 0.30, respectively. In conclusion, progesterone concentration from day 0 until day 84 after mating tended to increase.

***Key words*:** Progesterone, Progesterone Concentration, ELISA