

PROGESTERONE SERUM LEVELS FAT TAIL SHEEP BEFORE USING
AND AFTER RELEASING OF IMPLANT PROGESTERONE
SUBCUTANEOUS

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ABSTRACT

This research was determined the progesterone serum levels of Fat Tailed Sheep before using and after releasing subcutaneous progesterone implant. The animal laboratory consist of 20 un-pregnant Fat Tailed Sheep devided into 4 group of experient by randomized system. The experient groups consisted of P0 (control) were given injection with PGF2 α 7 mg i.m., whereas P1, P2, P3 were given progesterone hormones each 50, 60, 70 mg of subcutaneous progesterone implants and conducted for 11 days. The progesterone serum levels were determined using ELISA (*Enzyme linked Immunosorbent Assay*) test. The data was analyzed by *Kruskal-Wallis*, continued by *Mam-Whitney*. Statistical comparisons were performed by SPSS v20.0 for windows. The result of this research showed that using of subcutaneous progesterone implant increased the progesterone serum levels ($P < 0,05$) Fat Tail Sheep.

Key word : Fat Tailed Sheep, implant subcutaneous progesterone, progesterone levels.