

**PENGARUH PEMBERIAN *HORMON PREGNANT MARE'S SERUM*
GONADOTROPHIN DAN PAKAN KONSENTRAT TERHADAP
TIMBULNYA ESTRUS SETELAH BERANAK PADA
KAMBING PERANAKAN ETTAWA**

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INTISARI

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian hormon *Pregnant mare's Serum Gonadotrophin* dan pakan konsentrat pada kambing PE (Peranakan Ettawa) terhadap timbulnya estrus setelah beranak. Digunakan sembilan ekor induk kambing Peranakan Ettawa setelah beranak dengan berat antara 27,2 - 50 kg dan semuanya telah beranak 2 - 3 kali. Seluruh kambing Peranakan Ettawa dibagi menjadi empat kelompok berdasarkan perlakuan. Kelompok pertama diberi pakan konsentrat dan diinjeksi hormon *Pregnant mare's Serum Gonadotrophin* analog yaitu Folligon dosis 200 IU sebanyak dua ekor, kelompok kedua diberi pakan konsentrat tanpa penyuntikan sebanyak dua ekor, kelompok ketiga tanpa pakan konsentrat dan diinjeksi hormon sebanyak tiga ekor dan kelompok keempat kambing tanpa konsentrat dan tanpa injeksi hormon sebanyak dua ekor. Pengamatan terhadap timbulnya estrus setelah beranak dilakukan tiap pagi dan sore. Data yang diperoleh diuji statistik dengan *Completely Randomized Design* (CRD) faktorial pola 2 x 2 untuk injeksi hormon dan pakan konsentrat. Hasil analisis menunjukkan injeksi hormon terhadap timbulnya estrus setelah beranak berbeda sangat nyata ($P < 0,01$), sedangkan pemberian pakan konsentrat tidak menunjukkan perbedaan yang nyata ($P > 0,05$).

Kata kunci : Hormon *Pregnant mare's Serum Gonadotrophin*, konsentrat, estrus pertama sesudah beranak, kambing Peranakan Ettawa.

**THE EFFECT OF PREGNANT MARE'S SERUM GONADOTROPHIN HORMONE
AND CONCENTRATE DIET ON POST PARTUM ESTRUS OF PE DOES**

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ABSTRACT

This study was conducted to observe the influence of Pregnant Mare's Serum Gonadotrophin hormone and concentrate diet on post partum estrus of PE does. This experiment used 9 lactating PE does that had 27,2 to 50 kg BW and were 2nd and 3rd kidding. All of PE does were divided into four groups of treatment. Two PE does in group I were given concentrate diet and each injected with 200 IU, the other two in group II were given concentrate diet without injection of Pregnant Mare's Serum Gonadotrophin, three does in group III without concentrate diet but injected with Pregnant Mare's Serum Gonadotrophin hormone, the last two does in group IV were neither given concentrate diet nor Pregnant Mare's Serum Gonadotrophin hormone injection. Inspection of post partum estrus incidence conducted twice in the morning and evening everyday. The collected data were analyzed using 2 x 2 factorial of variance analysis Completely Randomized Design for injection Pregnant Mare's Serum Gonadotrophin and concentrate diet. The effect indicated significant difference ($P < 0,01$) of injection Pregnant Mare's Serum Gonadotrophin hormone to post partum estrus, but concentrate diet gave no significant effect ($P > 0,05$).

Key word : Pregnant Mare's Serum Gonadotrophin hormone, concentrate diet, post partum estrus, PE does.