

**THE PROVIDING HORMONE PGF 2α , COMBINATION PMSG and hCG ON
THE ONSET OF ESTRUS FOR MADURA COWS IN SEMBILANGAN
BANGKALAN BANGKALAN**

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ABSTRACT

The objective of this research was to know the onset of estrus Madura cows in Sembilangan Bangkalan Bangkalan. Through synchronization of estrus using prostaglandin PGF 2α and combination PMSG and hCG. Twenty four Madura cows were used in this research divide into 3 differents group (n=8). Control group (P0) was injected with hormone PGF 2α 25 mg. One group (P1) was injected with PG600 combination hormones (PMSG 400 IU+hCG 200 IU) 5 cc and two group (P2) was injected with PG600 combination hormones (PMSG 200 IU+hCG 100 IU) 2,5 cc. Injection of intramuscularly (i.m). There was significantly different of estrus timing. Experiment design was used completely randomized design (RAL). Data analysis using ANOVA (*analysis of Variant*) and if it significant different continued with BNT 1%. The onset of estrus P0, P1 and P2 were 70.96 ± 0.66 , 68.87 ± 0.79 and 69.68 ± 1.33 . The result of this research indicated that there were significant differences ($p<0,01$).

Key words : Madura cow, PGF 2α , PMSG, hCG, estrus.