

**THE EFFECTIVENESS OF GIVING HORMONES PGF<sub>2</sub> $\alpha$  AND PMSG  
AS WELL AS COMBINATION PMSG AND hCG PERCENTAGE OF  
ESTRUS *New Zealand* RABBIT**

**Fardilla Enfinoria**

**ABSTRACT**

The purpose of this study was to know the effectiveness of giving hormones PGF<sub>2</sub> $\alpha$  and PMSG as well as combination PMSG and hCG percentage of estrus *New Zealand* Rabbit with estrus synchronization method. 18 rabbits does *New Zealand* with 6 months old divide into 3 different groups (n = 6) and at separate cages. Swab vagina has been done twice, before and after being given treatment. One group (P1) was injected with hormone PGF<sub>2</sub> $\alpha$  0,3 ml. Two groups (P2) were injected with hormone PMSG 30 IU and three groups were injected with combination hormone PMSG and hCG 40 IU. Injection was intramuscularly. The result of this study showed there was a significantly different percentage of estrus rabbit between treatment groups, hormone of PMSG 30 IU as well as the combination hormones PMSG and hCG 40 IU (P2, P3) have proven effective on the percentage of estrus reached 100 % compared with the hormone of PGF<sub>2</sub> $\alpha$  0,3 ml which only reached 50 %.

Key words: estrus, PGF<sub>2</sub> $\alpha$ , PMSG, hCG, estrus synchronization.