

DIAGNOSIS OF EARLY PREGNANCY ON MADURA CATTLE IN SEMBILANGAN BANGKALAN USING ULTRASONOGRAPHY

Masitha Khoirina

ABSTRACT

The aim of this research was to know the diagnosis of early pregnancy on Madura cattle. The research was conducted in Sembilangan Region, Bangkalan District, Madura Island. Twenty four cows in a healthy state, aged 2-3 years old and were not in a state of pregnant were injected with PGF2 α 4.5 ml and divided into three groups (P0, P1, and P2). P0 was the control group injected with PGF2 α 4.5 ml. Cows in P1 were injected with 400 IU of PMSG and 200 IU of hCG of 5 ml and cows in P2 were injected with 200 IU of PMSG and 100 IU of hCG 2.5 ml. Pregnancy was diagnosed 40th days after artificial insemination using USG. Statistical analysis performed by Chi-square showed there are no significantly differences between treatments ($p>0.05$). All the treatments do not have any effect to the pregnancy rate of Madura cattle. In conclusion, the early pregnancy diagnosis using USG can be done on day 40th of pregnancy.

Keyword : PGF2 α , PMSG, hCG, madura cattle, artificial insemination, USG