PROFIL HORMON PROGESTERON SEBELUM DAN SESUDAH PENYUNTIKAN PGF-2 ALFA ANALOG PADA SAPI PERAH YANG MENDERITA KORPUS LUTEUM PERSISTEN

Abstrak:

This research was carried out to know the effectivity of analog PGF 2 alfa injection in regresion of persistent corpus luteum so heat can occur and also to know the profiles of progesterone before and after PGF-2 alfa treatment. Six dairy cattle that had been used in this research choosed by the purposif sampling. The blood samples collected before PGF 2α analog injection, 24 hours, 48 and 72 hours after injection. The progesterone concentrations was analyzed using solid phase RIA Technique. Mean while data for progesterone concentration were analyzed using F-test and continous with the - test if P < 0.05. Heat respons showed two antil four days with means 2.83 + 0.75 days after injection. All those cattle (100%) exhibised estrus. Means (+ SD) of progesterone levels before injection and 24 h, 48 h, 72 h after injection were 28.67 + 19.67, 3.20 + 4.34, 1.19 + 1.39 and 0.69 + 0.69 nmol/l. The difference was significantly (p < 0.05) on the levels of progesterone before and after injection. But there was no significant (p alfa 0.05) amongs 24 h, 48 h, 72 h after injection.

Keyword:

progesterone, persisten corpus luteum, luteolysis, dairy cattle