

**PENGARUH PEMBERIAN PROSTAGLANDIN F_{2a} TERHADAP
STATUS FAALI DAN PROFIL DARAH
DOMBA LOKAL JANTAN**

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INTISARI

Penelitian ini dilakukan dengan tujuan untuk mengetahui pengaruh pemberian Prostaglandin F_{2a} (PGF_{2a}) terhadap status faali dan profil darah domba lokal jantan. Empat ekor domba jantan umur sekitar dua tahun dengan berat badan rata-rata 27,5 ± 1,4 kg digunakan dalam penelitian ini. Domba kontrol tidak disuntik PGF_{2a}. Domba perlakuan disuntik 7,5 mg PGF_{2a} setiap satu minggu sekali, selama tiga minggu. Pakan yang diberikan berupa rumput Gajah 8 kg dan konsentrat 400 g per ekor per hari. Air minum diberikan secara *ad libitum*. Uji statistik menggunakan *Student's t-test* terhadap parameter status faali dan profil darah tidak menunjukkan perbedaan yang nyata ($P > 0,05$). Perbedaan pada beberapa parameter status faali dan profil darah masih berada dalam kisaran normal. Dapat disimpulkan bahwa tubuh domba lokal jantan mampu menghindari stres akibat pemberian PGF_{2x}.

(Kata kunci: Domba Lokal Jantan, PGF_{2a}, Status Faali, Profil Darah)

**THE INFLUENCE OF PROSTAGLANDIN F_{2a} APPLICATION
ON THE PHYSIOLOGICAL STATUS AND BLOOD PROFILE
OF LOCAL RAM**

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ABSTRACT

This experiment was conducted to determine the effect of Prostaglandin F_{2 α} (PGF_{2 α})—injection on the physiological status and blood profile of the local rams. Four heads of local rams in the average two years of age and 27.5 ± 1.4 kg body weight were used in this experiment. Control rams were not injected with PGF_{2 α} . Treated rams were injected with 7.5 mg of PGF_{2 α} per head once a week, lasted within 3 weeks. Feed based on 8 kg of elephant grass and concentrate of 400 g per head per day. Drinking water was given *ad libitum*. Statistical analysis was done by Student's t-test and showed that physiological status and blood profile parameters were not different (P>0.05). The variation of observed parameters were still within the normal range. It could be conclude that local ram body could overcome stress caused by PGF_{2 α} injection.

(Key words: Local Ram, PGF_{2 α} , Physiological Status, Blood Profile)