

**PEMERIKSAAN SUHU TUBUH DAN ANALISIS BEBERAPA
PARAMETER PEMERIKSAAN DARAH (LEUKOSIT, ERITROSIT,
SGOT, DAN SGPT) PADA DOMBA EKOR TIPIS UNTUK HEWAN
KURBAN DI DUA KANDANG YANG BERBEDA**

Oleh

Priramadhanti Alya Sumari
20/457314/SV/17761

INTISARI

Hari Raya Idul Adha merupakan salah satu hari raya besar bagi umat Islam. Pelaksanaan kurban dilakukan bagi yang mampu dengan menyembelih hewan kurban antara lain sapi, kambing, domba, kerbau, dan unta. Pentingnya pemeriksaan kesehatan hewan sebelum dilakukannya pemotongan untuk mengetahui status fisik dan kelayakan hewan kurban sebelum didistribusikan ke masyarakat. Penyusunan Tugas Akhir ini bertujuan untuk menganalisis darah hewan domba ekor tipis (DET) yang dipasarkan sebagai hewan kurban di pedagang musiman dan peternakan kandang permanen. Pengambilan sampel dilakukan di dua kandang yang berbeda, yaitu kandang pedagang musiman (F1) dan kandang peternakan permanen (F2). Parameter yang diperiksa yaitu pemeriksaan suhu rektal dan pemeriksaan darah (berupa total leukosit, total eritrosit, *serum glutamic oxaloacetic transaminase* (SGOT), dan *serum glutamic pyruvic transaminase* (SGPT)). Data dianalisis menggunakan metode statistik *T-Test*. Rata-rata pemeriksaan suhu tubuh domba menunjukkan hasil normal yaitu $39,35 \pm 0,35$ (F1) dan $39,5 \pm 0,73^{\circ}\text{C}$ (F2). Hasil nilai rata-rata total leukosit yaitu $81,15 \times 10^3 \pm 76,3/\mu\text{l}$ (F1) dan $74,4 \times 10^3 \pm 72,3/\mu\text{l}$ (F2). Nilai SGPT menunjukkan nilai rata-rata $20,85 \pm 6,50$ IU/l (F1) dan $7,5 \times 10^6 \pm 1,24$ IU/l (F2). Kedua hasil nilai rata-rata total leukosit dan SGPT lebih tinggi dari standar normal. Nilai rata-rata total eritrosit lebih rendah dari standar normal yaitu $7,75 \times 10^6 \pm 1,26/\mu\text{l}$ (F1) dan $7,5 \times 10^6 \pm 1,24/\mu\text{l}$ (F2). Nilai rata-rata SGOT berbeda signifikan ($P < 0,01$) antar kedua kandang tetapi masih dalam standar normal yaitu $124,5 \pm 21,26$ IU/l (F1) dan $78,63 \pm 9,6$ IU/l (F2).

Kata kunci: domba, hewan kurban, kesehatan hewan, pemeriksaan darah.

THE EXAMINATION OF BODY TEMPERATURE AND ANALYSIS OF SEVERAL BLOOD PARAMETERS (*LEUKOCYTES*, *ERYTHROCYTES*, *SGOT*, AND *SGPT*) IN THIN-TAILED SHEEP FOR SACRIFICIAL ANIMALS IN TWO DIFFERENT STALLS

By :

Priramadhanti Alva Sumari
20/457314/SV/17761

ABSTRACT

Eid al-Adha is one of the major holidays for Muslims. Sacrifices are performed for those who are able to slaughter sacrificial animals including cows, goats, sheep, buffaloes, and camels. The importance of animal health examination before slaughter to determine the physical status and feasibility of sacrificial animals before distribution to the public. The preparation of this Final Project aims to analyze the blood of thin-tailed sheep (DET) marketed as sacrificial animals in seasonal traders and permanent farm cages. The samples were collected in two different stalls, seasonal traders (F1) and permanent farm farms (F2). The parameters examined were rectal temperature and blood test (total leukocytes, total erythrocytes, serum glutamic oxaloacetic transaminase (SGOT), and serum glutamic pyruvic transaminase (SGPT)). Data were analyzed using the T-Test statistical method. The average body temperature examination of sheep showed normal results, namely $39,35 \pm 0,35$ (F1) and $39,5 \pm 0,73^{\circ}\text{C}$ (F2). The average value of total leukocytes was $81,15 \times 10^3 \pm 76,3/\mu\text{l}$ (F1) and $74,4 \times 10^3 \pm 72,3/\mu\text{l}$ (F2). SGPT values showed an average value of $20,85 \pm 6,50$ IU/l (F1) and $7,5 \times 10^6 \pm 1,24$ IU/l (F2). Both mean values of total leukocytes and SGPT were higher than the normal standard. The mean value of total erythrocytes was lower than the normal standard at $7,75 \times 10^6 \pm 1,26/\mu\text{l}$ (F1) and $7,5 \times 10^6 \pm 1,24/\mu\text{l}$ (F2). The mean value of SGOT was significantly different ($P < 0.01$) between the two cages but still within normal standards at $124,5 \pm 21,26$ IU/l (F1) and $78,63 \pm 9,6$ IU/l (F2).

Keywords: sheep, sacrificial animal, animal health, hematology.