

## Perbandingan Gambaran Darah Sebelum dan Setelah Pemberian Propofol pada Babi dengan Metode *Infus Gravimetri*

### INTISARI

Suci Wahyuni  
13/349487/KH/7779

Penelitian ini bertujuan untuk mengetahui perubahan profil gambaran darah babi yang terjadi akibat pemberian anestetika propofol yang dicampur kedalam *infus* NaCl 0,9% 500 ml. Dalam penelitian ini digunakan 6 ekor babi sehat dengan jenis dan umur yang sama. Babi di ambil darahnya dan dimasukkan ke dalam tabung EDTA sebelum perlakuan. Babi kemudian diberi premedikasi menggunakan Atropin Sulfat 0,025% dengan dosis 0,4 mg/kg BB. Babi diinduksi dengan propofol 1% dengan dosis 5 mg/kg BB dan kemudian stadium anestesi di *maintenancedengan* metode *infus grafimetri*. Selama 1 jam dilakukan anestesi *maintenancedengan* metode *infus grafimetri* kemudian ke-6 babi diambil darah ke-2 dan dimasukan kedalam tabung EDTA. Pemeriksaan sampel dilakukan di laboratorium Rumah Sakit Hewan Pendidikan Prof. Soeparwi dan dianalisa menggunakan program aplikasi SPSS (*Paired T-test*). Hasil penelitian profil gambaran darah secara umum menunjukkan kadar normal dan analisis data menggunakan *paired T-test* menunjukkan bahwa eritrosit, hemoglobin, leukosit, trombosit, PCV, MCV, MCH, dan MCHC tidak ada perbedaan yang signifikan ( $P>0,05$ ). Dapat disimpulkan bahwa anestesi propofol dengan metode *infusgravimetri* tidak mempengaruhi profil gambaran darah babi.

**Kata kunci:** babi, anestesi, propofol, eritrosit, leukosit, hematokrit, trombosit

## **The Comparison between Blood Pictures Before and After Giving Propofol to Pigs with Infus Gravimetri Method**

### ***ABSTRACT***

**Suci Wahyuni**  
**13/349487/KH/7779**

This research intends to know the change in a pig's blood picture profile caused by using propofol as anesthetic mixed in 500ml 0,9% NaCl infus. This research used 6 healthy pigs with same type and age. Before treatment, the 6 pigs' blood were taken and stored in EDTA tube. then the pigs were given 0,025% Atropin Sulfate 0,4mg/kg body weight as premedication. the pigs were induced with 1% propofol on dosage 5mg/kg body weight and the anesthetic stadium were maintained using infusgravimetri method. After maintenance anesthetic were done with infus gravimetri method for 1 hour, the pigs' blood were taken for the second time and stored in EDTA tube. Sample examination were held at Prof. Soeparwi Education Animal Hospital's laboratory and were analyzed using SPSS application (Paired T-Test). The research result showed that the general blood picture is in normal rate and data analyzing using paired t-test showed that erythrocyte, hemoglobin, leucocyte, trombocyte, PCV, MCV, MCH, and MCHC had no significant difference ( $P > 0,05$ ). It can be concluded that propofol anesthetics with infusgravimetri method do not affect a pig's blood picture profile.

**Key-words:** pig, anesthetic, propofol, erythrocyte, leukocyte, hematocrit, trombocyte.