

Haematological Alterations in Anaemic Bali Cattle Raised in Semi-Intensive System

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Abstract : Screening for anaemia in Bali cattle of Bangkinang Seberang subdistrict, kampar regency, Riau, Indonesia, had been conducted. The aim of the study was to analyse hematological alterations in the anaemic Bali cattle. A number of 75 Bali cattle were screened for anaemia on the basis of Haemoglobin (Hb) concentration. The other haematological parameters that were measured including packed cell volume (PCV), total erythrocyte count (TEC), mean corpuscular volume (MCV), mean corpuscular haemoglobin (MCH) and mean corpuscular haemoglobin concentration (MCHC). The screening showed that 18 (24.00%) of Bali cattle were anaemic. Haematological values of Hb, PCV, TEC, MCV, MCH, and MCHC were significantly ($p < 0.05$) lower in anaemic Bali cattle compared to non-anaemic Bali cattle.

Keywords : anaemia, Bali cattle, alteration, semi-intensive system

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