Phytogenic compounds do not interfere physiological parameters and growth performances on two Indonesian local breeds of ducks

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Abstract	a:4:{i:0;s:208:"Aim: The present study was to investigate the interaction between duck's breed and phytogenic compounds as feed additives in the diet on blood lipid and hematological profile, welfare, and growth performance.";i:1;s:616:"Materials and Methods: A total of 200 male day-old local breed ducks (Tegal and Muscovy ducks) were used in this experiment. The first factor was duck breed and the second factor was different phytogenic compounds supplementation in the diet: Garlic, turmeric, ginger, and kencur, at 3% each. The observed variables were the blood lipid profiles comprise high-density lipoprotein (HDL), low-density lipoprotein, cholesterol total, triglyceride, blood parameters, welfare (heterophil/lymphocyte [H/L] ratio), and growth performances (feed consumption, body weight gain, feed conversion ratio, and carcass percentage).";i:2;s:584:"Results: The interaction between breed of ducks and phytogenic compounds had a significant effect on blood triglyceride, but no significant effect on the blood lipid profile, hematological parameters, and growth performances. While, phytogenic compounds in the diet had significant effects on the blood lipid profile, heterophil (H), lymphocyte (L), and H/L ratio of ducks. The breed factors affected HDL and growth performances. Muscovy duck had a higher HDL and growth performance compare to Tegal duck. Among those, garlic most effectively reduced triglyceride level in Tegal duck.";i:3;s:260:"Conclusion: Phytogenic compounds 3% do not have a negative effect on the physiological parameters of ducks increase ducks welfare (H/L ratio), so it does not affect the growth performances of ducks. Muscovy duck had higher growth performances than Tegal ducks.";}
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