

PERBEDAAN PENGARUH PEMBERIAN TEPUNG KUNYIT DAN DOKSISIKLIN TERHADAP PERKEMBANGAN BERAT BADAN AYAM PEDAGING

Ketut Tono PG¹ dan Ni Nengah Ariati²

Abstract. *Poultry, specially broiler very fragile from disease, of non infectious disease and infectious disease. The diseases can solve by using antibiotic. Alternative materials substitution of antibiotic able to be used by turmeric. This research aims to know influence of turmeric flour to heavy growth of broiler body and to know what is the difference of influence between giving of turmeric flour with doxycycline. This research is executed in April 2009 representing research of experimental use complete random device (RAL) with three treatment that is: K_0 as control (without treatment at broiler), K_1 that is giving 10 gram / litre of turmeric flour in broiler drinking water, and K_2 that is giving 50 mg / litre of doxycycline in broiler drinking water. Every treatment repeating 10 times so that totalize needed chicken for treatment are $= 3 \times 10 = 30$. The homogeneity from heavy growth of broiler body with statistical of levene's test at confidence level $= 0,05$, continued with different test of one way anova at confidence level $= 0,05$. To know the difference of treatment by statistical test of Post Hoc Test at trust the level $= 0,05$. From result of ANOVAs test at trust the level $= 0,05$ obtained result of value of p smaller than $0,05$ ($p < 0,05$) at heavy growth of broiler body variable and heavy increase of broiler body. This matter indicate that growth body and heavy accretion at K_0 , K_1 , and K_2 different by significant. Result of test of Post Hoc Test at confidence level $= 0,05$ indicating that control (K_0) different with K_1 and K_2 , while K_1 and K_2 not different. Inferential that giving of turmeric at broiler have influence is equal to giving of doxycycline to heavy growth of broiler body so that suggested to breeder of broiler so that use turmeric in the place of antibiotic*

Keywords: *turmeric flour; doksisiklin; heavy growth*

1 Dosen Fakultas Kedokteran Hewan Universitas Udayana
2 Dosen Jurusan Gizi Poltekkes Denpasar