THE EFFECT OF CURCUMA (*Curcuma xanthorrhizza Roxb.)* SUPPLEMENTATION IN DRINKING WATER ON THE PERCENTAGE OF CARCASS, PART OF CARCASS AND ABDOMINAL FAT OF MALE QUAIL

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ABSTRACT*

This purpose of study was to determine how for the influence of curcuma supplementation in drinking water on the persentage of carcasses, and abdominal fat in the loading of male quail. The material used was DOQ male quail (Conturnix Conturnix Japonica) as many as 120 DOQ. The observation for 6 weeks/42 days) took place in Pereng Wetan Hamlet, Argromulyo Village, Sendayu Sub District, Bantul Regency, Yogyakarta. Complete randomized design of the pattern was in 4 treatments and 3 replications. The treatments applied is the form of addition of curcuma extract on drinking water as follows: P1 = basal feed + drinking water without curcuma, P2 = basal feed + 1 gram/liter curcuma, P3 = basal feed + 2 gram/liter curcuma and P4 = basal feed + 3 gram/liter curcuma. The research parameters were cutting weight, carcass persentage, chest weight persentage, thight weight persentage, and persentage of abdominal fat. The data obtained were analyzed for variance (ANOVA) followed by Duncan test using SPSS 2017. The results showed that temulawak supplementation in drinking water in male quails decreased significantly ($P<0.05$) on slaughter weight, carcass percentage, chest weight percentage, thigh weight percentage and abdominal fat. Conclusion supplementation of curcuma (Curcuma xanthorhiza Roxb) in drinking water in male quail was unable to improve cutting weight, carcass persentage, chest weight persentage, thight weight persentage and abdominal fat. Suggestion it is better to do further research with lower doses to improve carcass quality.

Keywords : Cutting weight, persentage of carcass, chest weight persentage,thight weight persentage,abdominal fat.

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