

**THE EFFECT OF CINNAMON (*Cinnamom verum*) EXTRACT IN
DRINKING WATER ON WEIGHT AND PART OF CARCASS
PERCENTAGE, ABDOMINAL AND VICERAL FAT OF BROILER**

RIZKY NOVEMBRIARTO

13021024

ABSTRACT

The purpose of this study is to know the effect of the use of cinnamon extract in the drinking water toward the life weight and the weight percentage of the carcass parts, abdominal fat, and visceral fat. This study was conducted from October 20 until November 29, 2016 at UPT teaching farm in Kaliurang, Sedayu, Bantul. This study was designed by using CRD. It consists of 4 treatments, 3 repetitions, where T0: without addition of cinnamon extract, T1: Addition 0,5 ml of cinnamon extract, T2: Addition 1 ml of cinnamon extract, T3: Addition 1.5 ml of cinnamon extract. The variables that are measured are the life weight, the carcass weight, the chicken wings weight, the chicken legs weight, the chicken breasts weight, abdominal fat, and visceral fat. The different data was proceed to be tested by *Duncan Multiple Range Test* (DMRT). The result showed that the life weight data T0: 1451,33 ; T1: 1377,67 ; T2: 1639,33 and T3: 1630,00 gr/pcs, carcass weight T0 : 879,00 ; T1: 917,00 ; T2: 1029,33 and T3 : 1010,67.gr/pcs, the weight chicken wings T0: 158,33 ; T1: 159,67 ; T2: 179,00 and T3: 165,00 gr/pcs, the weight of chicken legs T0; 356,67 ; T1: 379,67 ; T2: 403,33 and T3: 413,67 gr/pcs, the weight of chicken breasts T0: 284,67 ; T1: 300,00 ; T2: 360,67 and T3: 347,67 gr/pcs, abdominal fat T0: 43,00 ; T1: 43,33 ; T2: 46,33 and T3: 49,67 gr/slice, visceral fat T0: 36,33 ; T1: 34,33 ; T2: 40,00 and T3: 34,67 gr/pcs. The result of this analysis showed the significant different (P<0.05), on live weight, carcass weight, wings weight, and weight of chicken breasts while the result of the variance of visceral fat, abdominal fat, and the legs weight showed the non significant (P>0.05). While the result of the analysis of on visceral fat's , abdominal fat and legs weight showed that affected non significant. From the result of the study, it is concluded that the cinnamon extract can be given at the level 1 ml/ liter of drinking water to the broiler chicken can improve of the life weight, carcass weight, wings weight, and the best weight of chicken breasts.

Key Words : Cinnamon extract , carcass weight, abdominal fat, and visceral fat broiler chicken.

*) Abstract Thesis S1 ,Study Program of animal husbandry, Faculty Agroindustri, University Mercu Buana Yogyakarta.