Effect of Lecithin and Choline in a Diet Containing Fat on the Performance of Some Blood Parameters and Liver Enzymes in Broiler chicks

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In today's world, due to population growth and reduced food supply sources, one of the reasons for successful systems superiority than other systems is to supply food for human societies. Food production and meeting the needs of human societies is impossible to ignore. Nutrition science has a wide range to supply energy sources, protein and nutrients of humans. The aim of this study was to investigate the effect of different levels of Lecithin and Choline chloride in a diet containing fat on the performance of some blood parameters and liver enzymes in broiler. The population consisted of 270 male 1d-old broiler chicks Ross 308 was conducted with 9 treatments, 3 replicates and 10 cock chickens. Experimental treatments: Treatment 1: control- basal diet Lecithin 0% - Choline 0% Treatment 2: Lecithin 0% - Choline 1% Treatment 3: Lecithin 0% - Choline 2% Treatment 4: Lecithin 0.5% - Choline 0% Treatment 5: Lecithin 0.5% - Choline 1% Treatment 6: Lecithin 0.5% - Choline 2% Treatment 7: Lecithin 1% - Choline 0% Treatment 8: Lecithin 1% - Choline 1% Treatment 9: Lecithin 1% - Choline 2% This papar was performed in a factorial design (33) based on a completely randomized design. Data were analyzed by SAS software and ANOVA was used to analyze the variance of data, once in a completely randomized design and once again in factorial design. As well as, mean comparison was done by Duncan's test at 5% level.

Keywords : Effect of Lecithin and Choline, Blood Parameters, Liver Enzymes, Broiler chicks.