

Dedication

To my family

To the soul of my mother

To my dear father

To my husband

To my sisters and brothers

To my dear friends and colleagues

To all who love knowledge

Acknowledgement

My special thanks to almighty Allah who gave me health and strength to complete this study.

No words, no phrases can express my great thanks and deep sense of gratitude to my supervisor Dr. Mukhtar Ahmed Mukhtar for his competent guidance, constructive criticism, valuable advices, friendly attitude, patience and supervision throughout this study.

I am very much indebted to the technical staff of the Department of Animal Production, College of Agricultural Studies, Sudan University of Science and Technology (SUST) for their cooperation and help during experimental work.

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ABSTRACT

The experiment was conducted to evaluate the effect of Supersan (exogenous multivitamin) supplementation on the performance of broiler chicks. A total of sixty three , one old broiler chicks were randomly divided into three equal group, each group was further subdivided into three replicates with seven chicks per each replicate. Group A was considered as control, fed only with basal diet and tab water, group B was treated at a dose of 1 gram Supersan per liter of drinking water all through the experimental period, group C was treated at a dose of 2 grams Supersan per liter of drinking water at day intervals (day after day). Results obtained observed no significant effects on chicks performance (Body weight, Feed intake, Body weight gain, Feed conversion Ratio) and no significant effects on non carcass components. Therefore, it may be concluded that Supersan may be used with better performance in summer season to reduce the effect of heat stress.

ملخص البحث

أجريت هذه التجربة بغرض تقييم أثر إضافة مركب سوبرسان (فيتامين متعدد خارجي) علي اداء كتاكييت الدجاج اللحم. ما مجموعه ثلاث وستون كتكوت دجاج لاحم عمر يوم واحد تم تقسيمه عشوائياً الي ثلاث مجموعات متساوية، كل مجموعة تم تقسيمها مرة اخري الي ثلاث مكررات وكل مكررة بها سبع كتاكييت. المجموعة الاولى (أ) هي المجموعة القياسية وتمت تغذيتها بعليقة اساسية وماء شرب فقط، المجموعة الثانية (ب) تمت معاملتها باضافة جرعة قدرها ١ جرام من مركب سوبرسان لكل لتر من ماء الشرب طول فترة التجربة، المجموعة الثالثة (ج) تمت معاملتها باضافة جرعة قدرها ٢ جرام من مركب سوبرسان لكل لتر ماء الشرب بالتبادل (يوم بعد يوم). تلاحظ في النتائج المتحصل عليها عدم وجود اثار معنوية في اداء الكتاكييت (وزن الجسم، معدل تناول الغذاء، الزيادة في وزن الجسم، نسبة تحويل الغذاء) وعدم وجود اثر معنوي في مكونات الذبيحة. عليه يمكن ان تخلص التجربة الي ان سوبرسان يمكن ان يستخدم مع اداء افضل في موسم الصيف للتقليل من اثر الاجهاد الحراري.