

## Nutritional Evaluation of Seseame Seed Husk as a Source of Fibre in the Diets of Broiler Chickens

**Authors :** Maidala A., Bizi A. G., Olaoyo T. G., Lawan Amaza B. I., Makinde O. J., Sudik S. D.

**Abstract :** This study was aimed at evaluating the effects of full or partial replacement of wheat offal by dry Sesame Seed Husk (SSH) on the performance of broiler chickens. One-day-old chicks (n = 120) were randomly allotted to five treatments, each replicated four times. A replicate comprised of eight chicks each in a Completely Randomized Design (CRD). SSH was included at 0, 25, 50, 75, and 100%, respectively. Results showed that there were no significant differences in the Daily feed intake (76.03-88.74), Daily weight gain (35.53-37.66), Feed conversion ratio (2.31-3.21) and Carcass characteristics. The feed cost is reduced as you increase the levels of SSH, and the feed cost N/kg gain was highest in the wheat offal diet and lowest at 100% SSH. It can be concluded that higher levels of up to 100% SSH can be incorporated into broiler rations without deleterious effects on the performance of broilers and concomitant reduction in feed cost.

**Keywords :** SSH, broilers, growth performance, economics of production, hematology, serum biochemistry

**Conference Title :** ICASVM 2025 : International Conference on Animal Science and Veterinary Medicine

**Conference Location :** Jeddah, Saudi Arabia

**Conference Dates :** February 17-18, 2025