**The Length of the Title Maximum 18 Words and Each Word Should Begin with Capitalized Letter (Times New Roman 12pt)**

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**Abstract**

Abstract must be written in English, in single paragraph and no more than 250 words. Abstracts contain clear statement of introduction, methods, results, and conclusions.

**Keywords:**should be written in no more than 5 (five) words or phrases.

**Introduction**

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

Manuscripts are written in English and use standard scientific usage. It has be prepared in Microsoft Word format, except for Graphs using Microsoft Excel program and Figures using JPEG or PDF format. Manuscripts should be typed using Times New Roman fonts at 12 points and double-spaced

**Materials and Methods**

*Animal ethics*

It is confirmed that Institutional Animal Care and Use Committee (IACUC), Universiti Putra Malaysia approved this study (UPM/IACUC/AUP-R063/2018).

*Experimental animals, design**, and treatments*

Total one hundred and forty-four (n=144) 18-week-old Lohman Brown hens were purchased from a commercial farm in xxxx.

*Statistical analysis*

**e.g** Repeated measurement analysis was performed for meat parameters and tested for dietary treatments, ageing, and interaction using a mixed model of SAS (Statistical Analysis System, Version 9.4).

**Results and discussion**

A combined Results and Discussion section is often appropriate. Result should be clear and concise. Avoid extensive citations and discussion of published literature.

**Conclusion**

Conclusion should be written briefly in single paragraph, but reflects the experimental results obtained. Implication of results should be added stating what the findings of this research imply for animal production. It should also identify important outcomes and their implications for the area of study or recommendations for further research.

**Acknowledgement**

Acknowledgement (if any) to person(s) or institution(s) who help during the research (e.g., providing materials, laboratory equipment, writing assistance or proof reading the article, etc.) and funding the experiment should be stated.

**Conflict of interest**

Please provide a conflict of interest statement. If there is no conflict of interest, state “The authors declare that there are no conflicts of interest.”

**References** (Alphabetical order)

All references cited in the text should be listed alphabetically by the author’s surname in the list of references using the following style:

Journals/Periodicals:

Dalia, A. M., Loh, T. C., Sazili, A. Q., Jahromi, M. F., & Samsudin, A. A. 2017. The effect of dietary bacterial organic selenium on growth performance, antioxidant capacity, and selenoproteins gene expression in broiler chickens. *BMC Vet. Res.* 13(1): 254-260

Books:

Leeson, S. and Summers, J.D. 1997. Commercial Poultry Nutrition. 2nd Edition. University Books, Guelph, Canada.

Multi-author books:

Challis, J. and Oslan, D. 1988. Parturition. In: E. Knobil and J. Niell (eds). The Physiology of Reproduction, pp. 2177- 2216. Raven Press, New York, USA.

Thesis:

Wong, C.C. 1993. Growth and persistence of two Paspalum species to defoliation in shade. PhD. Thesis, Department of Agriculture, University of Queensland, Brisbane, Australia.

Edited Symposia:

Post, T.B. 1980. Postpartum anoestrus in different cattle genotypes. In: B.D. Siebert (ed) Industry Problems in Relation to Research. Proceedings of a symposium held at the Tropical Animal Research Centre, Rockhampton, Qld. 1980 pp. 29-32.

**Tables and Figures**

**Table 1. Ingredient Composition and Calculated Nutrient Levels of the basal Diet (on Dry Matter Basis)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ingredients** | **Pre-lay** | **Con** | **Na2SeO3** | **Se-Yeast** |
| Corn (QL) | 49.50 | 44.00 | 44.00 | 44.00 |
| Soybean Meal (QL) | 23.00 | 29.00 | 29.00 | 29.00 |
| Wheat Pollard (QL) | 18.50 | 11.00 | 11.00 | 11.00 |
| CPO (QL) | 1.50 | 3.50 | 3.50 | 3.50 |
| L-Lysine | 0.10 | 0.10 | 0.10 | 0.10 |
| DL-Methionine | 0.17 | 0.25 | 0.25 | 0.25 |
| Dicalcium Phosphate (18%) | 2.00 | 2.00 | 2.00 | 2.00 |
| Calcium Carbonate | 1.60 | 7.70 | 7.70 | 7.70 |
| Choline Chloride | 0.15 | 0.10 | 0.10 | 0.10 |
| Salt | 0.35 | 0.35 | 0.35 | 0.35 |
| Mineral Mix\* | 1.00 | 0.60 | 0.597 | 0.597 |
| Vitamin Mix\*\* | 1.00 | 0.60 | 0.60 | 0.60 |
| Antioxidant\*\*\* | 0.62 | 0.40 | 0.40 | 0.40 |
| Toxin Binder\*\*\*\* | 0.62 | 0.40 | 0.40 | 0.40 |
| Sodium Selenite | 0.00 | 0.00 | 0.003 | 0.00 |
| Se-Yeast | 0.00 | 0.00 | 0.00 | 0.003 |
| **Total** | **100** | **100** | **100** | **100** |
| **Calculated composition** |  |  |  |  |
| Metabolizable energy Kcal/Kg | 2760.14 | 2761.24 | 2761.24 | 2761.24 |
| Crude protein (%) | 16.35 | 17.66 | 17.66 | 17.66 |
| Fat (%) | 3.48 | 5.3 | 5.3 | 5.3 |
| Fiber (%) | 4.27 | 3.98 | 3.98 | 3.98 |
| Calcium (%) | 1.32 | 3.65 | 3.65 | 3.65 |
| Total Phosphorus (%) | 0.10 | 0.88 | 0.88 | 0.88 |
| Av. Phosphorus for poultry (%) | 0.56 | 0.48 | 0.48 | 0.48 |
| Analysed Se (mg/kg)\*\*\*\*\* | 0.00 | 0.03±0.01 | 0.31±0.02 | 0.32±0.01 |

\*Mineral premix supplied (per kg of diet): copper 15 mg, zinc 120 mg, iron 120 mg, manganese 150 mg, iodine 1.5 mg, and cobalt 0.4 mg.\*\*Vitamin premix supplied (per kg of diet): Vitamin A (retinyl acetate) 10.32 mg, vitamin E (DL-tocopherol acetate) 90 mg, cholecalciferol 0.250 mg, vitamin K 6 mg, cobalamin 0.07 mg, thiamine 7 mg, riboflavin 22 mg, niacin 120 mg, folic acid 3 mg, biotin 0.04 mg, pantothenic acid 35 mg and pyridoxine 12 mg. \*\*\*Antioxidant contains butylated hydroxyanisole (BHA). \*\*\*\*Toxin binder contains natural hydrated sodium calcium aluminum silicates to reduce the exposure of feed to mycotoxins. Feed live International Software (Nonthaburi, Thailand) was used to formulate the diets. \*\*\*\*\* The Se content measured using ICP.MS.

**Figure 1.** Relative expression of selenoprotein transcripts …….