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The benefits of the use of dried tomato meal (*Solanum lycopen L*) in village local chicken and it's potencial development

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Local chicken and its eggs is very popular and is like by the people because of the taste and it is delicious. The demand of local chicken is increasing year after year due to the increase of population and income. To feed the chicken with tomato flour can lower the cholesterol in eggs produced by chicken. Beside to meet the needs of animal protein for humans, it can also benefit the farmers in entrepreneurship. The purpose of this research is on the eggs by feeding the chicken with tomato powder ration in order to produce low cholesterol eggs that are healthy to be consumed and to calculate the profit and the potential of the development. This research uses 100 local chickens and the variables are ration of tomato powder meals in the fifth to seventh months. The local chicken was allocated into five experimental diets and five replications using a complication using a completely randomized design. Feed and water were provided at libitum. Data were collected on serum metabolites and egg quality. Result showed that serum metabolites were highly significant affected by dried tomato meal. Dietary supplementation with tomato meal reduced blood cholesterol, LDL cholesterol, and triglycerides, and increase HDL cholesterol. The result of this research shows that the usage of tomato powder meals in the ration has a real effect in forming the cholesterol in the eggs. The calculation of profit compared with earnings formulation which was analyzed descriptively. The result of the financial analysis by maintaining the chickens economically can provide profit for farmers. The formulation of profitability analysis shows that the ability of local chicken farming has a greater percentage ratio than existing bank interest. This result concludes that the development of local chicken can be continued.

Biography

Fietje Sophie G Oley has received her degree from Bogor Agricultural University and post-doctoral degree from Leicester University United Kingdom. Her field of study was Natural Resources Economics of Environment. She is Lecturer as well as Senator of Animal Husbandry Faculty of Sam Ratulangi University. Her research project and position at the projects mostly related to her proposed study: the study of cattle commodity development in North Minahasa (Principal investigator), to make use of cow manure into biogas and compose.

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