

ABSTRACT

PROJECTION OF PRODUCTION AND CONSUMPTION OF CHICKEN EGGS IN LAMPUNG PROVINCE

By

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Chicken eggs is one of the important animal protein resources. Consequently, its availability in a society has to be predicted for several years. In Lampung Province, the local government forecasts the chicken eggs production only for one year. It causes the production of chicken eggs, as well as its availability, is unknown for a long term. Therefore, the aims of this study are to project the production and to project the consumption of the chicken eggs. Both projections are compared in order to know its sufficiency. They were predicted by using the ordinary least square method with the time series data 2000-2013. The results showed that the average product (AP) was 16.75 kgs/chicken/year. However, during the epidemic of the avian influenza (2003-2007), the AP had been decreasing, i.e. 15.99 kgs/chicken/year. The chicken eggs production in 2013 was 51.39 thousand tons and the average growth rate was 3.64% per year. Meanwhile, the chicken eggs consumption of Lampung Province in 2013 was 51.33 thousand tons and the average growth rate was 2.48% per year. Since the growth rate of production is higher than the growth rate of consumption, the production will be larger than the consumption starting in 2026.

Key words: chicken eggs, consumption, production, projection.