



Indicated Equations to Determined Energetic Value of Food Used In Poultry Based on Their Chemical Compounds

Natalia Shoshi*, Pëllumb Zalla, Enkelejda Sallaku

Veterinary Medicine Faculty, Agricultural University of Tirana, Tirana, Albania

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Abstract: Prompt Evaluation of the containing metabolized energy in avian feedings, used in our country, is imperative for the increase of the dietary balance rate. In this study have been analyzed vegetal protein foodstuff: alfalfa flour, Soya by produced (soya meal), sunflower by produced (sunflower meal) , by means of rapid biological method (rapid test) for the resoluteness of their metabolized energy. Based on the obtained data it was dissolved respective metabolized foodstuff energy, where with the worthies were: alfalfa flour EMA 8,199MJ/kg dry acorn or 7,404 MJ/kg deed, Soya by produced 11,99MJ/kg dry acorn or 10, 83 MJ/kg deed and sunflower by produced 9, 93 MJ/kg dry acorn or 8, 37 MJ/kg deed. According our results and food chemical compounds, we compile some equations to calculate energetic value which are described in details in this paper. Correlation coefficient r^2 , indicate their confidence. It shows that there is a significant value for alfalfa flour when it is calculate for four parameters based on EMA and EMV, whereas it is not proved when are considered three parameters only. In case of soya meal, there is a significant value when are considered both for three and four parameters. As can be seen the value r^2 in the four equations displayed for the sunflower meal has a high degree of truthfulness.

Keywords: *Metabolized Energy, Rapid test, Alfalfa flour, Soya meal, Sunflower meal*

* Corresponding: E-Mail: nataliashoshi@hotmail.com; Tel: 00355684058470; Fax: 0035542238838