

ABSTRAK

PREDIKSI KADAR AIR DAGING BERDASARKAN LUAS JEJAK AIR DAGING YANG DIBERI BEBAN 500 GRAM

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Konsumsi daging sapi di Indonesia semakin meningkat, kondisi ini sering dimanfaatkan pedagang untuk memalsukan dengan cara menjual beberapa daging gelonggongan. Penelitian ini bertujuan mengukur kadar air daging.

Sebanyak 10 sampel daging sapi diuji kadar nutrisinya dan uji tekan untuk mengukur luas jejak air daging pada kertas saring *Whatman* nomor satu dengan beban 500 gram selama 5 menit. Kadar nutrisi dianalisis secara deskriptif dan analisis regresi linear dengan kadar air sebagai variabel *dependent* dan luas jejak air sebagai variabel *independent*.

Hasil penelitian memperlihatkan kadar air berkisar 73,07-75,29%, kadar abu berkisar 0,89-1,07%, kadar protein berkisar 17,91-20,85%, kadar lemak berkisar 1,12-6,84% dan luas jejak air yang terbentuk berkisar 13,84-46,97 cm². Persamaan linear yang dihasilkan kadar air (Y) = 72,925 + 0,046 luas jejak air (X) dengan (P>0,05).

Kata kunci : daging sapi, kertas whatman, nutrisi, regresi linear sederhana, variabel *dependent*, variabel *independent*.

ABSTRACT
**MEASUREMENT OF MEAT WATER TRACE ON PAPER TO PREDICT
THE CONCENTRATION OF MEAT WATER GIVEN LOAD 500 GRAM**

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Beef consumption in Indonesia is increasing, this condition is often used by traders to falsify by selling some bark meat. This study aims to measure the water content of meat.

A total of 10 beef samples tested for nutrient content and a press test to measure the trace area of meat water on the *Whatman* filter paper number one with a load of 500 grams for 5 minutes. Nutrient levels analyzed by descriptive analysis and linear regression analysis with water content as dependent variable and water trace area as independent variables.

The results showed that the water content ranged from 73.07 to 75.29%, the ash content ranged from 0.89 to 1.07%, protein content ranged from 17.91 to 20.85%, fat content ranged from 1.12 to 6.84% and wide the water footprint formed ranges from 13.84 to 46.97 cm². The linear equation produced by the water content (Y) = 72,925 + 0,046 water trace area (X) with (P> 0,05).

Keywords: beef, nutrition, simple linear regression, *Whatman* paper, dependent variable, independent variable.