

# **PENGARUH PEMBERIAN INFUSA BUAH MENKUDU (*Morinda citrifolia* Linn) dan LARUTAN GULA MERAH TERHADAP KUALITAS KARKAS AYAM BROILER**

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## **ABSTRAK**

Tujuan penelitian ini adalah menganalisis pengaruh penggunaan infusa tepung buah mengkudu (*Morinda citrifolia* Linn) yang dikombinasikan larutan gula merah terhadap kualitas karkas ayam broiler. Penelitian ini dilaksanakan pada bulan Januari - Februari 2023 dan lokasi penelitian akan dilakukan di kandang Politeknik Negeri Lampung. Pembuatan infusa buah mengkudu dan larutan gula merah akan dilakukan di Lab Analisis Politeknik Negeri Lampung. Pemberian infusa diberikan perlakuan pada di hari ke-8 dipagi hari sampai hari ke-28. Broiler diberikan perlakuan di hari ke-8, setelah itu di pisahkan menjadi 1 kontrol dan 3 perlakuan. P0 diberikan air minum biasa (kontrol), P1 dipelihara dengan larutan gula merah 1%, P2 dipelihara dengan menggunakan infusa buah mengkudu taraf 2 ml kelompok P3 diberikan perlakuan dengan menggunakan larutan gula merah 1% dan infusa buah mengkudu 2 ml. Setelah itu masing-masing kelompok P0, P1, P2 dan P3 dibagi masing-masing plot berisikan 5 ekor broiler. Pengulangan 5 plot setiap perlakuan. Setelah itu, setiap hari dilakukan penimbangan bobot badan. Penggunaan infusa buah mengkudu dan larutan gula merah dalam air minum terdapat perbedaan yang signifikan terhadap bobot karkas, persentase karkas, dan persentase susut masak yaitu pada P2 dengan hasil berat karkas 1382,60 gram, persentase karkas 72%, persentase susut masak 20,60%. Namun, tidak memberikan perbedaan yang signifikan terhadap pH daging ayam broiler.

Kata kunci: Karkas, mengkudu, gula merah.

# **THE EFFECT OF NONI FRUIT INFUSION (*Morinda citrifolia* Linn) and BROWN SUGAR SOLUTION ON BROILER CHICKEN CARCASS QUALITY**

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## **ABSTRACT**

The purpose of this study was to analyze the effect of the use of noni fruit flour infusion (*Morinda citrifolia* Linn) combined with brown sugar solution on the quality of broiler chicken carcasses. This research will be carried out in January - February 2023 and the research location will be carried out in the cage of the Lampung State Polytechnic. The manufacture of noni fruit infusion and brown sugar solution will be carried out at the Analysis Lab of the Lampung State Polytechnic. Infusion is given treatment on the 8th day in the morning until the 28th day. Broilers are given treatment on the 8th day, after which they are separated into 1 control and 3 treatments. P0 was given ordinary drinking water (control), P1 was maintained with 1% brown sugar solution, P2 was maintained using noni fruit infusion level 2 ml group P3 was treated using 1% brown sugar solution and noni fruit infusion 2 ml. After that, each group of P0, P1, P2 and P3 was divided into 5 broilers. Repetition of 5 plots each treatment. After that, every day weight weighing is carried out. The use of noni fruit infusion and brown sugar solution in drinking water there was a significant difference in carcass weight, carcass percentage, and cooking loss percentage, namely in P2 with a carcass weight yield of 1382.60 grams, carcass percentage 72%, cooking loss percentage 20.60%. However, it does not give a significant difference to the pH of broiler chicken meat.

Keywords: Carcass, noni, brown sugar.