

**TAMPILAN FISIK DAN KIMIA AIR SUSU
KAMBING PERANAKAN ETAWA
DI KOTA GORONTALO**

SKRIPSI

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**UNIVERSITAS NEGERI GORONTAALO
FAKLTAS PERTANIAN
JURUSAN PETERNAKAN
2019**

PENGESAHAN

Skripsi yang berjudul

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Telah Diperiksa Oleh Komisi Pembimbing

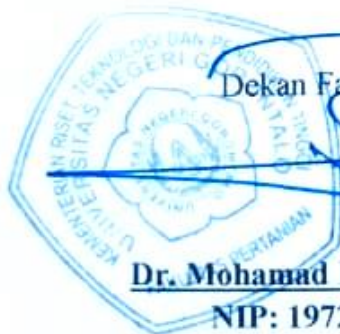
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LEMBAR PERSETUJUAN

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ABSTRAK

Iswanto Ronosumitro. 2019. Tampilan Fisik Dan Kimia Air Susu Kambing Peranakan Etawa Di Kota Gorontalo. Dibimbing oleh Fahrul Ilham dan Nibras Karnain Laiya.

Ternak kambing merupakan ternak yang banyak di pelihara oleh masyarakat terutama masyarakat kalangan menengah kebawah, Susu kambing belum dikenal secara luas seperti susu sapi, padahal memiliki komposisi kimia yang cukup baik. Kambing peranakan etawa merupakan hasil persilangan antara kambing etawa (India) dengan kambing Kacang. Tujuan penelitian adalah untuk mengetahui komposisi fisik dan kimia air susu peranakan etawa di kota Gorontalo. Penelitian ini dilaksanakan pada bulan mei 2019 sampai dengan bulan juni 2019. Sampel yang di gunakan sebanyak 5 ekor kambing PE. Pengambilan sampel susu kambing peranakan etawa di kota Gorontalo, sedangkan uji fisik dan kimia di laksanakan di Balai Pengendalian dan Pengujian Mutu Hasil Perikanan (BPPMHP), Dinas Perikanan dan Kelautan Provinsi Gorontalo. Uji kualitas susu segar secara fisik meliputi berat jenis (BJ), pH, warna, dan uji kualitas secara kimia meliputi kadar air, protein, lemak, dan laktosa. Data yang di peroleh selanjutnya dianalisis dan di bahas secara deskriptif. Berdasarkan penelitian komposisi kimia air susu kambing PE yang diperoleh memiliki rata-rata kadar air 87,82, laktosa 4,38, lemak 4,09, protein 4,11, dan komposisi fisik memiliki rata-rata berat jenis 1033,40, pH 6,63, warna (putih kekuningan).

Kata Kunci : Kambing Peranakan Ettawa, Air Susu, Kualitas fisik dan kimia

ABSTRACT

Iswanto Ronosumitro, 2019. The Physical and Chemical Appearance of Etawa Crossbred Goat Milk in Gorontalo City. The Principal Supervisor is Fahrul Ilham, and the Co-supervisor is Nibras Karnain Laiya.

Goats are livestock that is mostly maintained by the community, especially those in the lower middle class. Goat milk is not as widely known as cow milk, even though it has a fairly good chemical composition. In addition, Etawa Crossbred Goat is the result of a cross between Etawa (India) goat and Peanut goat. The research aimed at identifying the physical and chemical composition of etawa crossbred goat milk in Gorontalo City. This research was conducted from May to June 2019 with the research samples were 5 etawa crossbred goat. The sampling of milk of etawa crossbred goat was conducted in Gorontalo City, while the physical and chemical test was performed at Quality Control and Testing of Fisheries Products Board (BPPMHP), Fisheries and Marine Department of Gorontalo Province. Moreover, the physical test for the quality of fresh milk, including specific gravity, pH, and color, while the chemical test, including water content, protein, fat, and lactose. Then, the obtained data are analyzed and discussed descriptively. Based on the finding, the chemical composition of milk on etawa crossbred goat obtained had an average of water content for 87,82, lactose for 4,38, fat for 4,09, protein for 4,11, while the physical composition had an average of specific gravity of 1033,40, pH of 6,63 and it had cream color.

Keywords: Etawa Crossbred Goat, Milk, Physical and Chemical Quality

