

ABSTRAK

UJI ORGANOLEPTIK DAN VISKOSITAS SUSU KAMBING PERANAKAN ETAWAH (PE) PADA SUBSTITUSI SILASE DAUN SINGKONG DENGAN SILASE RUMPUT PAKCHONG (*Pennisetum Purpureum* cv Thailand)

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Penelitian ini bertujuan untuk mengetahui kualitas organoleptik dan viskositas susu kambing Peranakan Etawah yang diberi pakan substitusi silase daun singkong dengan silase rumput Pakchong (*Pennisetum purpureum* cv. Thailand). Penelitian ini dilaksanakan pada Februari-Maret 2022 bertempat di *Asyifa Farm*, Kelurahan Yosomulyo, Kecamatan Metro Pusat, Kota Metro, Provinsi Lampung. Penelitian ini menggunakan Rancangan Acak Kelompok (RAK) yang terdiri dari 3 perlakuan dan 3 kelompok sehingga terdapat 9 satuan percobaan. Perlakuan yang digunakan yaitu P1 (70% konsentrat + 30% silase daun singkong); P2 (70% konsentrat + 15% silase daun singkong + 15% silase rumput Pakchong); dan P3 (70% konsentrat + 30% silase rumput Pakchong). Data yang diperoleh dianalisis ragam pada taraf nyata 5% dan diuji lanjut menggunakan Duncan. Hasil analisis sidik ragam menunjukkan bahwa substitusi silase daun singkong dengan silase rumput Pakchong tidak berpengaruh nyata ($P > 0,05$) terhadap uji organoleptik (warna, aroma dan rasa) dan viskositas susu kambing PE. Rata-rata warna, aroma, rasa, dan viskositas susu kambing PE pada penelitian ini yaitu 3,109--3,122 (putih sampai putih sedikit kekuningan); 1,167--1,678 (sedikit berbau prengus); 2,931--3,209 (gurih sedikit berlemak); dan 0,432--0,445cP.

Kata kunci: Kambing Peranakan Etawah, Organoleptik, Rumput Pakchong, Viskositas.

ABSTRACT

ORGANOLEPTIC AND VISCOSITY TEST OF ETAWAH CROSSBREED GOAT MILK BY SUBSTITUTION OF CASSAVA LEAF SILAGE ON PAKCHONG GRASS SILAGE (*Pennisetum purpureum* cv Thailand)

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This study aims to determine the organoleptic quality and viscosity of Etawah Crossbred Goat milk fed with cassava leaf silage substituted with Pakchong grass (*Pennisetum purpureum* cv. Thailand) silage. This research was conducted in February-March 2022 at *Asyifa Farm*, Yosomulyo Village, Central Metro District, Metro City, Lampung. This study used a Randomized Block Design which consisted of 3 treatments and 3 groups so that there were 9 experimental units. The treatments used were P1 (70% concentrate + 30% cassava leaf silage); P2 (70% concentrate + 15% cassava leaf silage + 15% Pakchong grass silage); and P3 (70% concentrate + 30% Pakchong grass silage). The data obtained were analyzed for variance at 5% and 1% significance levels and continued with Duncan. The result showed that substitution of Cassava leaf silage with Pakchong grass silage had no significant effect ($P > 0,05$) on organoleptic test (color, smell, and taste) and viscosity of Etawah crossbred goat milk. The average of viscosity, color, smell, and taste of Etawah crossbred goat milk in this research are 3.109--3.122 (slightly yellowish white); 1.167--1.678 (slightly stinky); 2.931--3.209 (savory a little fatty); dan 0.432--0.445cP.

Keywords: Etawah Crossbred Goat, Pakchong grass, Organolepic, Viscosity.