

PRODUCTION AND QUALITY OF PERANAKAN ETAWA GOAT MILK IN SOME LACTATION PERIODS IN UPTHMT SINGOSARI MALANG

Yusuf Eko Hari Prasetyo

ABSTRACT

This research was aimed to learn ewe's milk production and quality of Peranakan Etawa goat milk in the first, second, third, and fourth lactation periods in UPTHMT Singosari Malang. This research total used 20 samples. The samples was taken from 4 lactation periods and replicated 5 times from 30 ewes with different lactation periods. Milk yield was recorded using measuring cup. Milk's quality test occurring in Laboratory of Veterinary Public Health Faculty of Veterinary Medicine Universitas Airlangga. Quality test for milk are organoleptic test and milk's composition examination include colour, smell, taste and viscosity, density, fat, total solids (TS), solid non fat (SNF), lactose, and protein content. The result of the research showed that ewe milk reached the highest milk yield in second lactation period. Each lactation periods showed same result in organoleptic test. Ewe milk's density reached the highest number in second lactation periods. Fat, protein, total solids, and solid non fat content reached the highest presentage in second lactation period and decreased after second lactation period. Lactose content showed the lowest in second lactation period.

Key words: Lactation period, PE goat milk, organoleptic, quality of milk