

ABSTRACT

SUCIPTO. H4A.003.014. Feed Intake Total of VFA Amonia (N-Amonia) and Milk Protein Content Performance on Dairy Frisien Holsten Were Given Powder of Souropus androgynus Merr (*katu*) in. (Advisor: **SUDJATMOGO** and **SRI AGUS BAMBANG SANTOSO**)

The material used carried out from August to September 2004 in the dairy company CV. Argosari at cepogo Village, Kota District, Boyolali Regency. The aim of the research to lives sicaturi about the influence of the *katu* powder in the ration on day mother consumption of woof dry material, total VFA, concentration of ammonia rumen and milk protein content.

The material used in this research consisted of:

1. 12 Dairy of Friesien Holstein on the second lactation and fifth month with their initial body weight (BW) was $415,42\text{kg} \pm 47,30 \text{ kg}$ (CV = 11,38%) and the initial milk production was $8,95 \text{ liter} \pm 1,28 \text{ liter}$ (CV = 14,20%).
2. used feed corn straw
3. given *katu* in the form of powder.

The research used Complete Random design (CRD) with 3 treatments and 4 repetition. The tested treatment were:

T0 = Corn straw (40%) + Concentration (60%) + *katu* 0% of BW as a control

T1 = Corn straw (40%) + Concentration (60%) + *katu* 0,002% of BW

T2 = Corn straw (40%) = Concentrtion (60%) + *katu* 0,04% of BW

The observed parameter were the consumption of woof dry material (BK) and protein (PK), total VFA, the concentration of NH₃ rumen and milk protein content. The collected data was analyzed by using Variance Analysis in the mistake degree of 5%.

The result of the research indicate that the giving of *katu* leaf powder to all observed parameter doesn't show difference ($P > 0,05$). The consumption of wood dry protein are 1,35; 1,27; and 11,37 kg/day successively. The concentration of ammonia rumen are 1,11; 1,75; and 1,890 ml/100 ml/animal and the content of milk protein are 227,54; 239,78 and 294,44 gram/animal/day.

The conclusion of the result is that the giving of *katu* leaf powder in the woof of Dairy Frisien Holstein doesn't influence the woof consumption, the production of VFA, the concentration of NH₃ rumen and milk protein content.

Keyword: *Katu*, Woof, VFA, NH₃, Protein, Frisien Holstein cow