

Kamin Chaimongkol 2012: Productive Performance and Carcass Characteristics of Kamphaeng Saen Steers Fed Total Mixed Ration Containing Cassava Leaf as a Roughage Source. Master of Science (Animal Production), Major Field: Animal Production, Department of Animal Science. Thesis Advisor: Assitant Professor Suriya Sawanon, Ph.D. 54 pages.

Productive performances and carcass characteristics of Kamphaengsaen steers fed total mixed ration (TMR) containing cassava leaf as a roughage source was divided into two experiments. The first experiment was to study the effects of cassava leaves dried and silage in TMR fed on productive performance, carcass characteristics and economic return of feedlot steers by a randomized complete block design. The second experiment was to study the digestibility of diets by measuring amount of gas production technique by repeated measurement in completely randomized design. The treatments were contained of dried leucaena leaves, dried cassava leaves, silage cassava leaves and silage plus dried cassava leaves as roughage source in TMR diets. The results show that the effect of dried or silage cassava leaves and cassava leaves silage were not significant difference on production performance. But the use of cassava leaves dried was lower fed intake than the other treatment diets. However economic return of cassava leaves silage was higher than that the other treatment diets. A study of digestibility of diets by measuring amount of gas production found that cassava leaves silage plus dried diet was higher digestibility of dry matter and organic matter, energy utilization and volatile fatty acid production than the other diets.

---

Student's signature

---

Thesis Advisor's signature