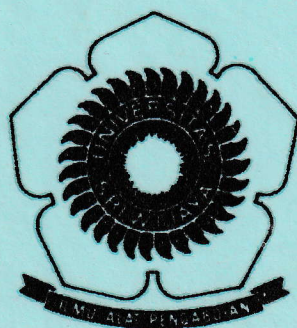


061

SKRIPSI

**EVALUASI KECERNAAN RANSUM DASAR
RUMPUT RAWA FERMENTASI DENGAN
SUPLEMENTASI LAMTORO
(*Leucaena leucocephala*)**

***DIGESTIBILITY EVALUATION OF FERMENTATION
SWAMP GRASS BASED RANSUM WITH
LEUCAENA SUPPLEMENTATION***



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**PROGRAM STUDI PETERNAKAN
FAKULTAS PERTANIAN
UNIVERSITAS SRIWIJAYA
2015**

LEMBAR PENGESAHAN

EVALUASI KECERNAAN RANSUM DASAR RUMPUT RAWA FERMENTASI DENGAN SUPLEMENTASI LAMTORO (*Leucaena leucocephala*)

SKRIPSI

Sebagai Salah Satu Syarat Untuk
Memperoleh Gelar Sarjana Peternakan

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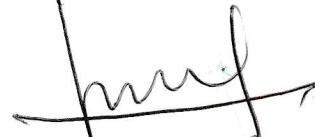
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Skripsi dengan judul "Evaluasi kecernaan ransum dasar rumput rawa fermentasi dengan suplementasi lamtoro (*Leucaena leucocephala*)" oleh Ilham Akbar telah dipertahankan di hadapan Komisi Penguji Skripsi Fakultas Pertanian Universitas Sriwijaya pada tanggal 22 Mei 2015 dan telah diperbaiki sesuai saran dan masukan dari tim penguji.


Komisi Penguji

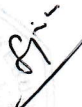
- | | | |
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Menyatakan bahwa semua data dan informasi yang dimuat di dalam skripsi ini merupakan hasil penelitian saya sendiri di bawah supervisi pembimbing, kecuali yang disebutkan dengan jelas sumbernya. Apabila di kemudian hari ditemukan adanya unsur plagiasi dalam skripsi ini, maka saya bersedia menerima sanksi akademik dari Universitas Sriwijaya.

Demikian pernyataan ini saya buat dalam keadaan sadar dan tidak mendapat paksaan dari pihak manapun.



Indralaya, Mei 2015



[Ilham Akbar]

SUMARRY

Ilham Akbar. Digestibility Evaluation of Fermentation Swamp Grass-Based Ransum with *Leucaena* (*Leucaena leucocephala*) Supplementation (Supervised by **Riswandi** and **Asep Indra M. Ali**).

The purpose of this study was to determine the digestibility of swamp grass-based ransum with *Leucaena* (*Leucaena leucocephala*) Supplementation on Bali cattle by using *in-vivo* methods. This study took place in two stages, the first stage was in an experiment cage, and the second stage was the digestibility analysis that was done in the nutrients and animal feed of Livestock Study Program, Faculty of Agriculture, Sriwijaya University. This research had been conducted from June to August, 2014. This study used a Latin square design (BSL) with 4 treatments and 4 periods as replication, one period for ten days. With treatment; R0: Basic Ransum; R10: Basic Ransum + *Leucaena* 10%; R20: Basic Ransum + *Leucaena* 20%; R30: Basic Ransum + *Leucaena* 30%. The parameters observed during the study were digestibility coefficients of dry matter, organic matter, crude protein and crude fiber. The results showed that the average of the four treatment of R0, R1, R2 and R3 sequentially for dry matter digestibility were 79.75%; 78.66%; 79.45% and 79.15%, organic matter digestibility were 81.50%; 80.77%; 81.02%; and 80.98%, crude protein digestibility were 68.61%; 68.36%; 67.77% and 76.73%, and 83.33% coarse fiber digestibility were ; 82.07%; 82.56%; and 85.29%. The conclusion obtained from this study is that *Leucaena* supplementation in fermentation swamp grass-based ransum has not yet significantly affected the digestibility of dry matter, organic matter and crude fiber, but it gave significant effect on digestibility of crude protein as much as 10.58% with 30% of *Leucaena* supplementation.

Keywords : supplements, Bali cattle, *leucaena*, fermentation

