

## ABSTRAK

### PENGARUH UMUR PEMOTONGAN TERHADAP KADAR PROTEIN KASAR DAN SERAT KASAR *Indigofera zollingeriana*

Oleh

Jestika Hutabarat

Penelitian ini bertujuan untuk mengetahui pengaruh umur pemotongan yang berbeda terhadap kadar protein kasar dan serat kasar *Indigofera zollingeriana*. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 3 perlakuan dan 4 kali ulangan. Perlakuan pada penelitian ini adalah: 1) U40 (umur pemotongan 40 hari), 2) U50 (umur pemotongan 50 hari), 3) U60 (umur pemotongan 60 hari). *Indigofera zollingeriana* dipangkas sampai memiliki tinggi yang sama dengan ketinggian sekitar 1 m dari permukaan tanah dan dilakukan pemetakan lahan berukuran 3x3 m<sup>2</sup>. Hasil penelitian menunjukkan bahwa umur pemotongan berpengaruh sangat nyata ( $P < 0,01$ ) terhadap kadar protein kasar dan serat kasar *Indigofera zollingeriana*. Kadar protein kasar *Indigofera zollingeriana* umur 40, 50, dan 60 hari setelah peyeragaman pemotongan berturut-turut adalah 24,76%, 26,00%, dan 27,03%, dan kadar serat kasar *Indigofera zollingeriana* umur 40, 50, dan 60 hari setelah penyeragaman pemotongan berturut-turut adalah 20,72%, 23,08%, dan 25,41%.

Kata kunci : *Indigofera zollingeriana*, umur pemotongan, kadar protein kasar, dan kadar serat kasar.

## **ABSTRACT**

### **THE EFFECT OF CUTTING AGE ON CRUDE PROTEIN AND CRUDE FIBER OF *Indigofera zollingeriana***

**By**

**Jestika Hutabarat**

This research aims to know the effect of cutting age on crude protein and crude fiber of *Indigofera zollingeriana*. The study was done based on Completely Randomized Design (CRD) with 3 treatments and 4 replications. The treatments in this study were : 1) U40 (40 days of cutting age), 2) U50 (50 days of cutting age), and 3) U60 (60 days of cutting age). *Indigofera zollingeriana* being cuts at 1 m height from the ground surface and plots of land measuring 3 x 3 m<sup>2</sup>. The results showed that the effect of cutting age significantly ( $P < 0.01$ ) affect crude protein and crude fiber of *Indigofera zollingeriana*. Crude protein content of *Indigofera zollingeriana* with cutting age of 40, 50, and 60 days were 24,76%, 26,00% and 27,03% respectively and crude fiber content of *Indigofera zollingeriana* with cutting age of 40, 50, and 60 days were 20,72%, 23,08%, and 25,41% respectively.

Key word : *Indigofera zollingeriana*, cutting age, crude protein, and crude fiber.