

**ANALISIS VEGETASI GULMA PADA BEBERAPA KELAS  
UMUR *Acacia mangium* Willd. DI HUTAN TANAMAN  
INDUSTRI (HTI)**

**SKRIPSI**



**FAKULTAS PERTANIAN  
UNIVERSITAS ANDALAS  
KAMPUS III DHARMASRAYA  
2018**

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## ABSTRAK

Penelitian ini dilakukan untuk mengetahui komposisi vegetasi gulma pada tanaman *A. mangium* dan melihat perbedaan komposisi vegetasi gulma pada beberapa kelas umur tanaman *A. Mangium* di Hutan Tanaman Industri (HTI). Penelitian ini dilaksanakan pada bulan Juni sampai dengan Agustus 2018 di Hutan Tanaman Industri ( HTI) Base Camp PT. Bukit Raya Mudisa (BRM) Main Road Km 13.7, Jorong Lubuk Mansagu, Kenagarian Koto Nan IV Dibawah, Kecamatan IX Koto, Kabupaten Dharmasraya, Provinsi Sumatera Barat. Metode yang digunakan dalam penelitian ini adalah metode survai dengan peletakan plot secara *purposive sampling* pada kebun *A. mangium* yang berumur 2, 3 dan 4 tahun. Pada masing masing umur tanaman dibuat 2 petak pengamatan berukuran 40m×40m didalam petak terdapat sub petak pengamatan yang berukuran 1m×1m sebanyak 10 petak pengamatan pada garis diagonal dengan jumlah keseluruhan 60 petak pengamatan. Berdasarkan hasil analisis diperoleh sebanyak 15 spesies yang termasuk kedalam 10 famili. Jumlah spesies gulma yang ditemukan pada kelas umur 2, 3 dan 4 berturut-turut yakni 11, 9 dan 11 spesies. Famili gulma yang memiliki spesies yang terbanyak adalah family Poaceae. Gulma yang dominan dibawah pertanaman *A. mangim* umur 2 yakni *A. gangetica* (38,26%), *P. crinitum* (14,81%) dan *I. cylindica* (14,37%), hamper sama dengan gulma dibawah pertanaman *A. mangium* umur 3 tahun yaitu *A. gangetica* (31,54%), *A. compressus* (20,49%), *A. sessilis* (19,50%), dan *P. crinitum* (14,41%). Umur 4 tahun gulma yang dominan adalah *A. gangetica* (43,11%), *A. sessilis* (15,50%), dan *P. crinitum*(15,36%). Gulma yang mendominasi pada pertanaman *A. mangium* yaitu termasuk kedalam kelompok gulma berdaun lebar untuk itu disarankan pengendalian gulma pada pertanaman *A. mangium* terhadap gulma berdaun lebar.

Kata kunci: *Acacia mangium*, analisis, gulma, hutan tanaman industri (HTI).



## ANALYSIS OF WEED VEGETATION IN SEVERAL AGE CLASSES OF *acacia mangium* Willd. IN INDUSTRIAL PLANTATIONS (HTI)

### ABSTRACT

This study was conducted to determine the composition of weed vegetation in *Acacia mangium* plants and to see differences in the composition of weed vegetation in several age classes of *Acacia mangium* plants in industrial plantations (HTI). This research was conducted in June to August 2018 in the industrial plantation of PT. Bukit Raya Mudisa (BRM) main road Km 13.7, Jorong Lubuk Mansagu, Kenagarian Koto Nan IV Di Bawah, Sub-district IX Koto, Regency Dharmasraya, Province of West Sumatra. The method used in this research is survey method by laying out the plot by purposive sampling in *A. mangium* gardens that are 2, 3 and 4 years old. At each age of the plant 2 observation plots were made measuring 40m × 40m in the plot. There were observational sub-plots measuring 1m × 1m in 10 plots of observation on a diagonal line with a total of 60 plots of observation. Based on the results of the analysis, there were 15 species belonging to 10 families. The number of weed species found in class 2, 3 and 4 respectively were 11, 9 and 11 species. The family of weeds that have the most species is the family Poaceae. Weeds are dominant under *A. mangium* plantations age 2, namely *A. gangetica* (38.26%), *P. crinitum* (14.81%) and *I. cylindrica* (14.37%), almost the same as weeds under *A. mangium* plantations age 3 years namely *A. gangetica* (31.54%), *A. compressus* (20.49%), *A. sessilis* (19.50%), and *P. crinitum* (14.41%). The dominant age of 4 years weeds are *A. gangetica* (43.11%), *A. sessilis* (15.50%), and *P. crinitum* (15.36%). Weeds that dominate the *A. mangium* plantations are included in the group of broad-leaved weeds, so weed control is recommended in *A. mangium* plantations against broadleaf weeds.

Keywords: *Acacia mangium*, analysis, weeds, industrial plantations (HTI).