

**Studi Komposisi Jenis Vegetasi Gulma Dan Serangan Penyakit Gugur Daun
Tanaman Karet (*Hevea Braziliensis*) Di PTPN III Sei Putih Kecamatan
Galang Kabupaten Deli Serdang Provinsi Sumatra Utara**

Nursaidah (4141220024)

ABSTRAK

Penelitian ini bertujuan untuk menganalisis jenis gulma dan penyakit gugur daun yang terdapat pada areal PTPN III Sei Putih Kecamatan Galang Kabupaten Deli Serdang Provinsi Sumatra Utara dan di lahan Masyarakat Desa Jaharun B Kecamatan Galang Kabupaten Deli Serdang Provinsi Sumatra Utara. Sampel penelitian di ambil dari areal PTPN III Sei Putih Kecamatan Galang Kabupaten Deli Serdang Provinsi Sumatra Utara dan di lahan Masyarakat Desa Jaharun B Kecamatan Galang Kabupaten Deli Serdang Provinsi Sumatra Utara. Analisa vegetasi gulma di dapatkan atas indeks nilai penting yang didasarkan atas nilai kerapatan relatif, frekuensi relatif dan dominansi relatif. Hasil penelitian menunjukkan telah ditemukan 16 jenis gulma di dua lokasi, di PTPN III Sei Putih di temukan 10 jenis gulma yaitu : *Athyrium filix*, *Adiantum* Sp, *Brachiaria decumbens*, *Thuarea involuta*, *Clidemia hirta*, *Euphorbia hirta*, *Lantana camara*, *Axonopus compressus*, *Colocasia esculenta*, *Amaranthus spinosus*. Sedangkan di Lahan Masyarakat Desa Jaharun B Kecamatan Galang di temukan 9 jenis gulma yaitu : *Paspalum conjugatum*, *Lantana camara*, *Amaranthus spinosus*, *Mimosa pudica*, *Phyllanthus niruri*, *Imperata cylindrical*, *Axonopus compressus*, *Eclipta prostrate*, *Chromolaena odorata*. Gulma yang memiliki INP (indeks nilai penting) tertinggi di daerah PTPN III Sei Putih adalah *Athyrium filix* dan *Adiantum* Sp oleh karena itu nama tipe vegetasi gulma PTPN III Sei Putih adalah *Dryopterida-pteridaceae* dan lahan Masyarakat Desa Jaharun B Kecamatan Galang Kabupaten Deli Serdang Provinsi Sumatra Utara INP (indeks nilai penting) tertingginya adalah *Paspalum conjugatum* dan *Lantana camara* maka tipe vegetasi gulmanya adalah *Poace-verbenaceae*. Telah di temukan di PTPN III Sei Putih Kecamatan Galang 4 jenis penyakit gugur daun yaitu *Colletotricum*, *Corynespora*, *Oidium*, dan *Fusicocum* keparahan penyakit gugur daun tertinggi di PTPN III Sei Putih Kecamatan Galang adalah *Colletotricum* sedangkan di lahan Masyarakat Desa Jaharun B Kecamatan Galang hanya ada 3 penyakit gugur daun yaitu *Colletotricum*, *Corynespora* dan *Fusicocum*. Keparahan penyakit gugur daun yang tertinggi adalah *Fusicocum*

Kata kunci : Gulma. Penyakit Gugur daun

The Study Of The Composition Of The Vegetation Types Of Weeds And Disease
Attack Deciduous Plant Rubber (*Hevea Braziliensis*) In PTPN III Sei White
Galang Sub District Of Deli Serdang North Sumatra Province

Nursaidah (4141220024)

ABSTRACT

This research aims to analyze the types of weeds and diseases on deciduous acreage PTPN III Sei White Galang Sub District of Deli Serdang North Sumatra Province and at the farm village community Jaharun B Galang Sub District Deli Serdang North Sumatra Province. Research samples taken from the area of PTPN III Sei White Galang Sub District of Deli Serdang North Sumatra Province and at the farm village community Jaharun B Galang Sub District of Deli Serdang North Sumatra Province. Analysis of vegetation index in the get up weed important values based on the value of the relative density, relative frequency and relative dominance. The results showed has found 16 types of weeds in two locations, in PTPN III Sei White in discover 10 different types of weeds: *Athyrium filix*, *Adiantum sp*, *Brachiaria decumbens*, *Thuarea involuta*, *Clidemia hirta*, *Euphorbia hirta*, *Lantana camara*, *Axonopus compressus*, *Colocasia esculenta*, *Amaranthus spinosu*. Whereas on Land the villagers Jaharun B Galang sub district in discover 9 different types of weeds: *Paspalum conjugatum*, *Lantana camara*, *Amaranthus spinosus*, *Mimosa pudica*, *Phyllanthus niruri*, *Imperata cylindrical*, *Axonopus compressus*, *Eclipta prostrate*, *Chromolaena odorata*. Weeds that have an INP (index value important) tallest PTPN III Sei White is *Athrium filix* and *Adiantum Sp* therefore weed vegetation type name PTPN III Sei White is *Dryopterida-pteridaceae* and the farm village community Jaharun Subdistrict B Galang Regency Deli Serdang North Sumatra Province INP (critical value index) is its highest *Paspalum conjugatum* and *Lantana camara* then vegetation type gulmanya is *Poace-verbenaceae*. It has been found in PTPN III Sei White Galang Sub District 4 types of deciduous disease namely *Colletotricum*, *Corynespora*, *Oidium*, and *Fussicocum* the severity of the disease fall leaf PTPN III's highest Sei Galang sub district White is *Colletotricum* whereas in the land The villagers Jaharun B Galang sub district there are only 3 fall leaf diseases namely *Colletotricum*, *Corynespora* and *Fussicocum*. The severity of the disease fall leaves the highest is *Fussicocum*.

Keywords: weeds. Fall leaf disease