

ABSTRACT

Ary Purnomo " Uji Resistensi Progeni F1 HP 1998 Terhadap Penyakit Gugur Daun *Colletotrichum gloeosporioides* (Penz). Sacc Pada Tanaman Karet (*Hevea brasiliensis* Muell Arg.) di Laboratorium ". With the conselling Mr. Ir. Lahmuddin Lubis, MP as leader, Mr. Ir. Kasmal Aripin, MSi as couthor and Mr. Ir. Aidi Daslin Sagala, MS as counselling field.

The research was conducted in Laboratory Plant Protection Sungei Putih Rubber Research Center since November 2009 to December 2009.

The aims of the research was to know level of resitance of rubber F1 HP 1998 cultivar to fall of leaf *C. gloeosporioides* disease.

The research used the desigen Complete Random Device (CRD) non factorial with 31 treatmens (30 F1 HP 1998 cultivar and 1 control clone) and 3 mutliplication. The rubber F1 HP 1998 cultivar were used is PN No. 1659, PN No.2173, PN No.225, PN No.157, PN No.190, PN No.189, PN No.199, PN No.143, PN No.110, PN No.212, PN No.1656, PN No.179, PN No.294, PN No.172, PN No.221, PN No.187, PN No.216, PN No.111, PN No.152, PN No.258, PN No.643, PN No.35, PN No.182, PN No.509, PN No.256, PN No.265, PN No.372 , PN No.223, PN No.645, PN No.1664 and PB260 is control clones.

The result of research Mean showed in Laboratory showed that F1 HP 1998 cultivar and 1 control clones were resistance which variated to *C. gloeosporioides*. PN No. 1659, PN No.2173, PN No.225, PN No.157, PN No.190, PN No.189, PN No.199, PN No.143, PN No.110, PN No.212 was rather resistance.

PN No.1656, PN No.179, PN No.294, PN No.172, PN No.221, PN No.187, PN No.216, PN No.111, PN No.152, PN No.258, PN No.643, PN No.35, PN No.182, PN No.509, PN No.256, PN No.265, PN No.372 and PN No.223 was moderate. PN No.645 and PN No.1664 was rather susceptible.

Key word : Cultivare, C. gloeosporioides

ABSTRAK

Ary Purnomo ” Uji Resistensi Progeni F1 HP 1998 Terhadap Penyakit Gugur Daun *Colletotrichum gloeosporioides* (Penz). Sacc Pada Tanaman Karet (*Hevea brasiliensis* Muell Arg.) di Laboratorium”. Dengan komisi pembimbing Bapak Ir. Lahmuddin Lubis, MP selaku ketua, Bapak Ir. Kasmal Aripin, MSi selaku anggota dan Bapak Ir. Aidi Daslin Sagala, MS selaku pembimbing lapangan.

Penelitian ini dilaksanakan di Laboratorium Proteksi Tanaman Balai Penelitian Sungei Putih dari bulan November 2009 sampai Desember 2009.

Tujuan penelitian ini adalah untuk mengetahui tingkat resistensi kultivar F1 HP 1998 terhadap penyakit gugur daun *C. gloeosporioides*.

Penelitian menggunakan Rancangan Acak Lengkap (RAL) non faktorial dengan 31 perlakuan (30 perlakuan kultivar F1 HP 1998 dan 1 klon pembanding) dan 3 ulangan. Kultivar F1 HP 1998 yang digunakan dalam penelitian adalah PN No. 1659, PN No.2173, PN No.225, PN No.157, PN No.190, PN No.189, PN No.199, PN No.143, PN No.110, PN No.212, PN No.1656, PN No.179, PN No.294, PN No.172, PN No.221, PN No.187, PN No.216, PN No.111, PN No.152, PN No.258, PN No.643, PN No.35, PN No.182, PN No.509, PN No.256, PN No.265, PN No.372 , PN No.223, PN No.645 dan PN No.1664 ,serta klon pembanding PB 260.

Hasil rata-rata penelitian di Laboratorium menunjukkan bahwa kultivar F1 HP 1998 dan 1 klon pembanding yang di uji menunjukkan tingkat resistensi yang bervariasi terhadap *C. gloeosporioides*. PN No. 1659, PN No.2173, PN No.225, PN No.157, PN No.190, PN No.189, PN No.199, PN No.143, PN No.110, PN No.212 tergolong dalam kategori agak resisten.

PN No.1656, PN No.179, PN No.294, PN No.172, PN No.221, PN No.187, PN No.216, PN No.111, PN No.152, PN No.258, PN No.643, PN No.35, PN No.182, PN No.509, PN No.256, PN No.265, PN No.372 dan PN No.223 tergolong dalam kategori moderat. PN No.645 dan PN No.1664 tergolong dalam kategori agak renta

Kata kunci : kultivar, C. gloeosporioides