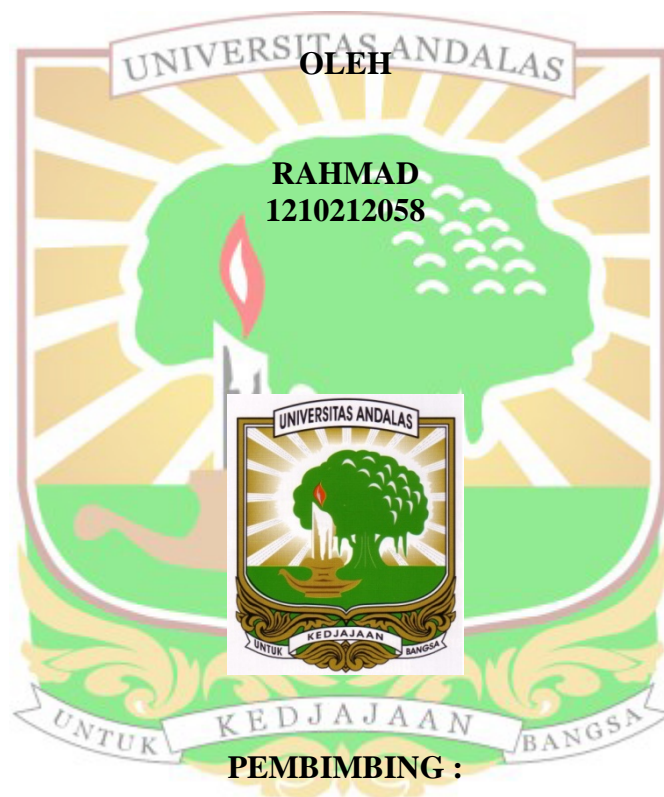


**INVENTARISASI HAMA KUTU PUTIH (*Mealybugs*) DAN
TINGKAT SERANGANNYA DI SENTRA PRODUKSI UBI
KAYU (*Manihot esculanta* Crantz)
KABUPATEN TANAH DATAR**

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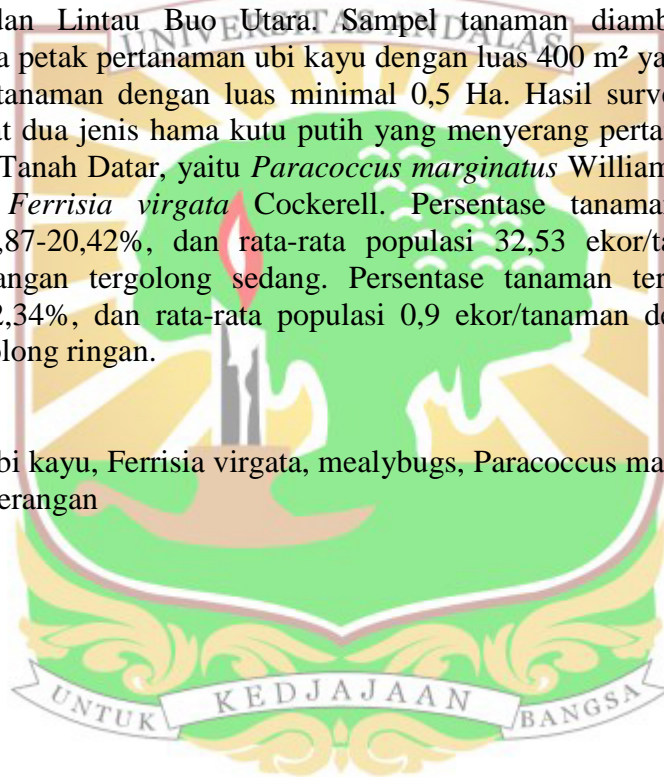
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Abstrak

Kutu putih (*Mealybugs*) merupakan salah satu masalah di daerah tropis dan subtropis yang di antaranya berasosiasi dengan ubi kayu. Penelitian bertujuan untuk mempelajari jenis-jenis hama kutu putih dan tingkat serangannya di sentra produksi ubi kayu Kabupaten Tanah Datar, Sumatera Barat. Survei dilakukan di lima kecamatan yaitu kecamatan Rambatan, Tanjung Emas, Sungai Tarab, Sungaiyang dan Lintau Buo Utara. Sampel tanaman diambil secara acak sistematis pada petak pertanaman ubi kayu dengan luas 400 m² yang terletak pada hamparan pertanaman dengan luas minimal 0,5 Ha. Hasil survei menunjukkan bahwa terdapat dua jenis hama kutu putih yang menyerang pertanaman ubi kayu di Kabupaten Tanah Datar, yaitu *Paracoccus marginatus* Williams & Granara de Willink dan *Ferrisia virgata* Cockerell. Persentase tanaman terserang *P. marginatus* 5,87-20,42%, dan rata-rata populasi 32,53 ekor/tanaman dengan intensitas serangan tergolong sedang. Persentase tanaman terserang oleh *F. virgata* 0,75-2,34%, dan rata-rata populasi 0,9 ekor/tanaman dengan intensitas serangan tergolong ringan.

Kata kunci : ubi kayu, *Ferrisia virgata*, mealybugs, *Paracoccus marginatus*, tingkat serangan



**INVENTORY OF MEALYBUG PESTS AND THEIR DAMAGE
LEVEL IN CASSAVA PRODUCTION CENTER (*Manihot esculanta*
Crantz) IN TANAH DATAR REGENCY**

Abstract

Mealybugs investigation is one of problems in tropical and subtropical regions, one of which associates with cassava plants. The research objectives were to determine species of mealybug pests and their level of damage in cassava production centers in Tanah Datar, West Sumatra. The survey was conducted in five districts, i.e. Rambatan, Tanjung Emas, Sungai Tarab, Sungaiyang and Lintau Buo Utara. Plant samples were taken systematically randomized at 400 m² planting cassava plots laying in minimum 0.5 hectare cassava plantations. The results indicated that there were two species of mealybug pests attacking cassava plants in Tanah Datar, namely *Paracoccus marginatus* Williams & Granara de Willink and *Ferrisia virgata* Cockerell. The percentage of plants attacked by *P. marginatus* was 5.87-20.42%, and its population was 32.53 individuals/plant categorized as moderate damage intensity. The percentage of plants attacked by *F. virgata* was 0.75-2.34%, and its population 0.9 individual/plant categorized as mild damage intensity.

Keywords: *cassava, Ferrisia virgata, mealybugs, Paracoccus marginatus, damage intensity*

