

ABSTRAK

**Eksplorasi *Trichoderma* sp Sebagai Agen
Pengendalian Hayati Terhadap Penyakit Busuk Buah
Kering (*Cercospora*) Tanaman Pala Di Kelurahan
Foramadiahi**

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ABSTRAK

Penelitian ini bertujuan untuk mengeksplorasi agen pengendali hayati jamur antagonis *Trichoderma* sp pada tanaman pala di Kelurahan Foramadiahi, Kota Ternate Selatan. Eksplorasi dilakukan secara observasi menggunakan metode survey. Penentuan lokasi dan pohon sampel secara purposive pada perkebunan pala rakyat dengan memperhatikan habitat sesuai persyaratan perkembangan *Trichoderma* sp. Sampel akar dikoleksi pada bagian perakaran pala. Pengambilan sampel akar dilakukan selama bulan Oktober 2020 dengan pertimbangan suhu dan kelembaban berada pada kondisi optimal untuk perkembangan jamur antagonis. Identifikasi berlangsung selama bulan November 2020. Hasil identifikasi memperlihatkan adanya *Trichoderma* dari jenis *harzianum*.

Kata kunci : *Trichoderma* sp, Eksplorasi, Identifikasi, Tanaman pala.

ABSTRACT

Exploration of *Trichoderma* sp as a biological control agent
Against (*Cercospora*) dry fruit rot disease of nutmeg plants in
Foramadiahi village

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ABSTRACT

This study aims to explore the biological control agent of the antagonist fungus *Trichoderma* sp on nutmeg plants in Foramadiahi Village, South Ternate City. Exploration was carried out by observation using the survey method. Determination of location and sample trees purposively in smallholder nutmeg plantations by showing habitat according to the development requirements of *Trichoderma* sp. Root samples were collected in the nutmeg root section. Root sampling was carried out during October 2020 with consideration of temperature and humidity are at optimal conditions for the development of antagonistic fungi. Sample identification was carried out in the main biological control Laboratory (LUPH). The identification took place during November 2020. The identification results showed the presence of *Trichoderma* of the *harzianum* species.

Keyword : *Trichoderma* sp, Exploration, Identification, Nutmeg plant.