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Kerusakan Tegakan Hutan Jati (*Tectona grandis* Linnaeus filius) pada Kawasan Hutan Produksi RPH Sukorame, KPH Mojokerto, Jawa Timur, Indonesia

Damage of Teak Trees (*Tectona grandis* Linnaeus filius) in the Production Forest Area of RPH Sukorame, KPH Mojokerto, East Java, Indonesia

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Abstract

The health of the teak tree can be affected by damage caused by pests and environmental factors. This study aims to determine the health of the teak tree in teak production forest areas at RPH Sukorame KPH Mojokerto, East Java, Indonesia. The method used was the forest health monitoring (FHM) method. The sample was chosen by using a cluster plot system with a total sample of 216 teak trees. Parameters observed were symptoms of damage and its causes, type of damage and damaged parts of the teak tree, height and diameter, tread quality, and tree health analysis. The results showed that the health level of the teak tree in the teak production forest area of RPH Sukorame, KPH Mojokerto, East Java, was included in the health category with a Cluster plot level index (CLI) value of 4.36 – 4.51. The damage to the stand was caused by the attack of armyworm (*Hydrolea pauro*), termites (*Schedorhinotermes* sp), and other factors. The productivity level of the area could have been more optimal, with a branch-free stand height of 0-5 m and a diameter of 16-20 cm: grumusol and grumusol sandy soil with a pH ranging from 5.8 to 7.0. Forest management is needed so that the teak tree can achieve optimum productivity.

Keywords: Damage, productivity, teak tree, tread quality

Abstrak

Kesehatan tegakan pohon jati dapat dipengaruhi oleh kerusakan yang diakibatkan oleh hama dan faktor lingkungan. Penelitian ini bertujuan untuk mengetahui kesehatan tegakan jati di kawasan hutan produksi jati di RPH Sukorame KPH Mojokerto, Jawa Timur, Indonesia. Metode yang digunakan dalam penelitian adalah metode forest health monitoring (FHM). Penentuan sampel menggunakan sistem klasterplot dengan total sampel sebanyak 216 tegakan jati. Parameter pengamatan adalah gejala kerusakan dan penyebabnya, tipe kerusakan dan bagian yang rusak pada tegakan jati, tinggi dan diameter tegakan, kualitas tapak, dan analisis kesehatan