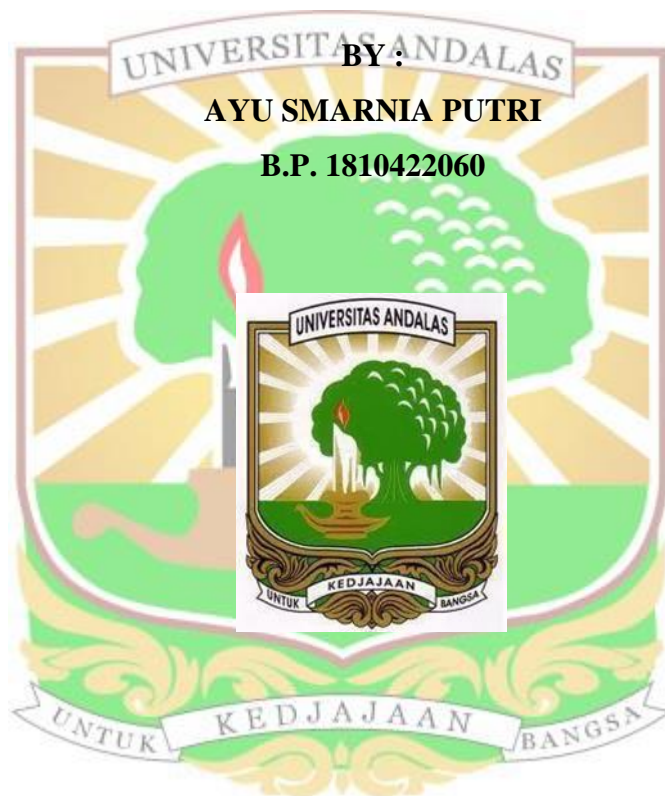


**FOREST HEALTH CONDITIONS IN THE BIOLOGICAL EDUCATION
AND RESEARCH FOREST OF ANDALAS UNIVERSITY**

BIOLOGY UNDERGRADUATE THESIS



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ABSTRAK

Penelitian tentang kondisi kesehatan hutan di hutan di area kampus universitas andalas atau yang plot permanen di Hutan Penelitian dan Pendidikan Biologi (HPPB) telah dilakukan pada bulan Desember hingga Maret 2022 di plot permanen. Penelitian ini bertujuan untuk mengetahui tutupan tajuk dan kondisi Kesehatan hutan di plot permanen HPPB. Penelitian ini menggunakan metode *purposive sampling*, dimana pengambilan foto tutupan tajuk sebagai titik pusat pada setiap subplot berukuran 10 x 10m pada seluruh plot permanen seluas 1 ha menggunakan metode *hemispherical photography*. Kesimpulan dari 100 subplot yang diamati ditemukan sebanyak 78 subplot yang mempunyai persentase tutupan tajuk diatas diatas 65 % sehingga dapat disimpulkan kondisi hutan ini dapat dikategorikan sebagai very close forest. Analisa kesehatan hutan menyimpulkan bahwa indek kesehatan hutan sebesar 45,22 % sehingga hutan ini dapat dikategorikan sebagai kondisi sedang.

Kata kunci : dbh, Glama, tutupan tajuk, indeks kesehatan hutan



ABSTRACT

Research on the condition of forest health in forests in the Andalas University campus area or in permanent plots in the Biological Education and Research Forest of Andalas University (HPPB) has been carried out from December 2021 to March 2022 on permanent plots. This study aims to determine the canopy cover and forest health conditions in HPPB permanent plots. This study used a purposive sampling method, in which a photo of crown cover was taken as the center point for each sub-plot measuring 10 x 10 m on the entire permanent plot of 1 ha using the hemispherical photography method. The conclusion of the 100 subplots observed was that 78 subplots had a percentage of canopy cover greater than 65%, indicating that the condition of this forest can be classified as very close. The forest health analysis concluded that the forest health index was 45,22%, indicating that this forest was in moderate condition.

Keywords : canopy cover, dbh, forest health index, glama.

