



Densidade básica e características anatómicas da madeira de 9 (nove) espécies da floresta do Maiombe, província de Cabinda Angola [

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text (article)

Analítica

The present study had as objective to determine the basic density, age and anatomical characteristics of the woods of nine species of the Maiombe forest, Cabinda province, Angola. Age was determined with the aid of the Presser Increment Trado. Rolls of wood were removed in the middle third of the trees and counting the growth rings. The density of the wood was determined by dividing the mass of each wood cube by its volume. The volume was obtained by the Archimedes principle and the mass by weighing. The anatomical characteristics were determined by means of the optical microscopy to the microtomic cuts made in each one of the wooden pieces. The anatomical characteristics determined were as follows: vessel diameter, cell wall thickness, fiber diameter, vessel area. The basic wood density was between 896 and 1 149 kg / m³. *M. africana*, *E. cylindricum*, *B. toxisperma*, *S. stipitata* and *G. arnoldiana* were the species with the highest densities. Age ranged between 39 and 43 years of age. Optical microscopy showed a significant difference between some anatomical characteristics such as vessel diameter, fiber diameter and vessel area, with the exception of cell wall thickness that was not different among the nine species of wood

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