

Durability and moisture content of the wood for furniture products in the city of Mbalmayo in Cameroon

Authors:

**Ateba François Rene¹,
Abossolo Samuel² and
Tolok Nelem¹**

Institution:

1. Institut Universitaire de
Technologique du Bois de
Mbalmayo, Université de
Yaoundé, Cameroon.

2. Département de
géographie, Université de
Yaoundé, Cameroon.

Corresponding author:

Ateba François Rene

ABSTRACT:

Drying is an essential step in wood processing, it gives the characteristics necessary for rational and efficient use. It improves the dimensional stability, better mechanical properties, durability, bonding ability etc. To understand the mode of wood processing structures at Mbalmayo in particular and Cameroon in general, this study aimed to analyze the principle drying methodology used in the manufacture of objects of art and other furnishing products through the humidity of the wood used, existing materials and methods, conduction of dryness, the selection criteria and the influence of average life of dried essences. Also, this study is based on the data collected at the carpentry workshops gathered in the art wood craft shops at the town of Mbalmayo. The results highlight the spontaneous strategies or planned adaptations used in the present study. The study was conducted at the Institute of Wood Technology, University of Yaounde, located in the town of Mbalmayo.

Keywords:

Drying gradient artisans, Saturation point, Moisture equilibrium, Mbalmayo.