



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**Effects of Wood Species, Thickness and Cross-Section Factors on Wood
Moisture Change of Some Wood Species in the Indoor Climatological Conditions**

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Abstract: The effects of wood species, thickness and cross-section factors on wood moisture content under centrally heated indoor conditions in Trabzon. Factors of thickness, cross-section and wood species were found to affect daily wood moisture content variation, but these factors did not appear to affect the average monthly wood moisture content. Strong relationships were found between average monthly wood moisture and wood equilibrium moisture contents ($r^2 = 0.9972$), and wood moisture content, temperature and relative humidity ($r^2 = 0.9926$). According to climatological data for earlier years for indoor conditions in Trabzon, it was estimated that the average annual wood moisture content was 11.7%, and the average annual wood equilibrium moisture content was 11.2%

Key Words: Wood, wood moisture, wood equilibrium moisture content, indoors, thickness, cross section.

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