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**EFFECT OF HAVESTED AGE ON SOME PHYSICAL  
AND MECHANICAL PROPERTIES OF PEELED VENEER  
FROM *Acacia mangium* Willd.**

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**SUMMARY**

*Acacia mangium* Willd. trees at age of 6, 9, 14 were harvested to assess the effect of age on some physical and mechanical properties of peeled veneers. The results showed that: 1) The moisture content of green veneers decreased with increasing age of trees, at standard conditions (20°C, 65%), the moisture contents of the peeled veneers at 3 age levels were similar; 2) In the period of 6 - 14 years, the basic density of the peeled veneers increased with the age of the trees, the *Acacia mangium* peeled veneers at the age of 6, 9, 14 presented the basic density of 0.39 g/cm<sup>3</sup>, 0.43 g/cm<sup>3</sup> and 0.51 g/cm<sup>3</sup>, respectively; 3) The area shrinkage ratio from green to dry state of the peeled veneers from *Acacia mangium* 6-year-old was lowest (5.84%), followed by 9-year-old (6.94%) and 14-year-old (7.14%); 4) The peeled veneers from *Acacia mangium* 6-year-old showed the lowest MOE (8,664 MPa), 9-year-old and 14-year-old *Acacia mangium* veneers got the same MOE values (10,871 MPa and 10,933 MPa), from the age of 9 the MOE value of the peeled veneers was almost unchanged.

**Keywords:** *Acacia mangium*, basic density, MOE, moisture content, shrinkage ratio.

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