IMPROVING WOOD QUALITY OF *Intsia bijuga* WITH Fe-SCN COMPLEX COMPOUND ADSORPTION

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*Intsia bijuga* is a hard wood with strong and long lasting properties. The most important use of *Intsia bijuga* commercially is in flooring, such as parquet. However, *Intsia bijuga* contains significant quantities of water-soluble extractives, including soluble tannins, this degrades the wood performance. The objectives of this research was to prevent soluble extractives running from the wood into the water so that quality of *Intsia bijuga* would be improved. In this study, Fe-SCN complex compound was used to treated the wood. the Fe-SCN complex was measured using UV-Vis spectrometry in acid condition at maximum wavelength of 470 nm. At optimum condition of pH 4, the mol ratio of resulted Fe-SCN complex determined by continous variation methods was 1:6 [Fe(SCN)_6]^{3−}. *Intsia bijuga* was treated with Fe-SCN (1:6) complex compound adsorption method as long as 10 h. The results showed that the absorbance was decreased at 24.7%, the mass of *Intsia bijuga* was increased at 3.0383 g, the wood surface was slightly darkened, and the density of wood was 0.97 g/cm³ so the quality of *Intsia bijuga* increased from 2nd class (strong) to 1st class (stronger).