

**ANATOMICAL PROPERTIES OF MENKIRAI  
(TREMA ORIENTALIS)**

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## **ABSTRACT**

### **ANATOMICAL PROPERTIES OF MENKIRAI (*Trema orientalis*)**

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Anatomical properties of Mengkirai *Trema Orientalis* were ascertained based on parts of tree such as base, middle and top which base was describe as diameter of breast height, middle was 50% from bark and top was upper 50%. The sources of Mengkirai woods were from Reserve Forest of UiTM Pahang, which named as medium tree and growth at edge the forest. Anatomical properties that had in this wood were it has diffuse porous and three types vessel likes solitary, pairs, triple and a few tail's vessels. In solitary vessels had a tylosis. Wood rays were uniseriate types and homocellular. It was a place of food reserve for this tree. This wood has apotrachea and paratrachea parenchyma. Paratrachea parenchyma was incomplete vecisentric. Beside that apotrachea parenchyma was not arranged. Cell walls were thin effected from wide lumen cells. From this information, the conclusion is Mengkirai wood is easy to preserve because it has wide lumen cell and thin cell walls. Both of these properties can make absorption of preservation materials in the wood. Thus Mengkirai wood is still not commercial yet.