

**KELAS AWET 15 JENIS KAYU ANDALAN SETEMPAT
TERHADAP RAYAP KAYU KERING, RAYAP TANAH DAN
PENGGEREK DI LAUT
(Durability of 15 Local Reliable Wood Species Against Dry-Wood
Termites, Subterranean Termites and Marine Borers)**

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ABSTRACT

Durability is an important criteria of wood quality. This study examined the durability of 15 local wood species against termites as well as marine borers. Wood samples measuring 5.0cm (length) x 2.5cm (width) x 2.0cm (thick) were exposed to dry-wood termites (Cryptotermes cynocephalus Light).

Other samples measuring 2.0cm (length) x 0.5cm (width) x 0.5cm (thick) were tested against subterranean termites (Coptotermes curvignatus Holmgreen). For the test against marine borers, the samples were 30cm (length) x 5cm (width) x 2.5cm (thick). The test revealed that none of the 15 species tested were durable against marine borers attack. Only one species was considered with high durability against dry-wood termites, namely tarisi (Albizia lebbbeck Benth). Likewise, only one species was sufficiently durable against subterranean termites, i.e. kayu putih (Melaleuca cajuputiPowell).

Keywords: Local species, wood durability, dry-wood termites, subterranean termites, marine borers

ABSTRAK

Lima belas jenis kayu andalan setempat yang berasal dari beberapa daerah di Jawa Barat diuji keawetannya. Kayu contoh uji yang berukuran 5,0 cm x 2,5 cm x 2,0 cm diuji terhadap rayap kayu kering (Light.), yang berukuran 2,0 cm x 0,5 cm x 0,5 cm diuji terhadap rayap tanah (Holmgreen.) dan yang berukuran 2,5 cm x 5 cm x 30 cm diuji terhadap penggerék kayu di laut. Hasil penelitian menunjukkan bahwa dari 15 jenis kayu yang diuji, hanya tarisi (Benth.) yang paling tahan terhadap *Cryptotermes cynocephalus Light.* atau masuk ke dalam kelas awet I, dan kayu putih (*Melaleuca cajuputi Powell*) tahan terhadap Holmgreen atau masuk ke dalam kelas awet II. Sedangkan hasil uji kayu di laut menunjukkan bahwa semua jenis kayu tidak tahan terhadap penggerék di laut.

Kata kunci : Jenis kayu andalan setempat, kelas awet, rayap kayu kering, rayap tanah, penggerék di laut