

**KETAHANAN 20 JENIS KAYU TERHADAP SERANGAN RAYAP TANAH
(*Coptotermes curvignathus* Holmgren) dan RAYAP KAYU KERING
(*Cryptotermes cynocephalus* Light)
(*Natural Resistance of 20 wood species against subterranean termites
(Coptotermes curvignathus Holmgren) and dry wood termite (Cryptotermes
cynocephalus Light) attacks*)**

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ABSTRACT

*This study aims to determine the resistance of 20 wood species against subterranean termites (*Coptotermes curvignathus* Holmgren) and dry wood termites (*Cryptotermes cynocephalus* Light). The test method of subterranean and dry wood termites refers to the SNI 01-7207-2006. Parameters observed for determining resistance class to subterranean and dry wood termites are the percentage of wood weight loss and the survival percentage of termites. Besides that, a subjective observation on severity of subterranean and dry wood termites attacks were also conducted. Results show that the resistance of 20 wood species against subterranean termites are as follow: class II (3 wood species), class III (2 wood species), class IV (13 wood species) and class V (2 wood species). The resistance to dry wood termites of the 20 wood studied species can be grouped as follow: class I (4 wood species), class II (5 wood species), class III (8 wood species) and class IV (3 wood species).*

Keywords: Twenty wood species, subterranean termite, dry wood termite, degree of attack, resistance class

ABSTRAK

Penelitian ini bertujuan untuk mengetahui ketahanan 20 jenis kayu terhadap rayap tanah (*Coptotermes curvignathus* Holmgren) dan rayap kayu kering (*Cryptotermes cynocephalus* Light). Metode pengujian rayap tanah maupun rayap kayu kering mengacu pada SNI 01-7207-2006. Parameter yang diamati untuk keawetan terhadap rayap tanah dan rayap kayu kering adalah persentase penurunan berat kayu dan jumlah rayap yang hidup. Di samping itu dilakukan pula pengamatan secara subyektif terhadap derajat serangan rayap tanah maupun rayap kayu kering. Hasil penelitian menunjukkan ketahanan terhadap rayap tanah termasuk kelas II (3 jenis), kelas III (2 jenis), kelas IV (13 jenis) dan kelas V (2 jenis). Untuk ketahanan terhadap rayap kayu kering kelas I (4 jenis), kelas II (5 jenis), kelas III (8 jenis) dan kelas IV (3 jenis).

Kata kunci : Dua puluh jenis kayu, rayap tanah, rayap kayu kering, derajat serangan, kelas ketahanan