

Efficiency of Teak Heartwood Extracts for protecting wood against termite attack

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Abstract

Dichloromethane and Petroleum ether extracts of 15 years old teak heartwood from Kanchanaburi province were investigated for determining the efficiency of protecting treated wood against termite attack, in comparison with, Tectoquinone and Lapachol. Field experiment was carried out in ground contact condition for 3 months. Results revealed that 2.00 % Dichloromethane extract and 2.54% Petroleum ether extract showed significantly good performance in protecting treated wood against termite attack, as well as, 2.00% Tectoquinone. However, 0.10% Lapachol was not able to resist the termite attack as it showed severe damage in the same level of control. Two species of subterranean termite ; *Microtermes obesi* and *Microcerotermes paracelebensis* were found in the field test.

Key words : Teak heartwood extract, efficiency , termite attack
