

TECTOQUINONE AND LAPACHOL IN PLANTATION TEAKWOOD FROM LOPBURI KANCHANABURI AND SUKHOTHAI PROVINCES

TASANEE PATTANASEREE ¹

ABSTRACT

Study on tectoquinone and lapacol content in extractives of teak heartwood from Terd Dumri plantation Lopburi province, Thong Phapoom plantation Kanchanaburi province and Sri Suchanalai plantation Sukhothai province, at the age 13, 15 and 16 years old by TLC (Thin Layer Chromatography) and densitometer. The results found that teak heartwood from Srichanalai plantation had the most amount of tectoquinine at 0.369 % and trace amount of lapachol, teak heartwood from Terd Dumri plantation and Thong Phapoom plantation had lower amount of tectoquinine at 0.225 % and 0.178 % and didn't have lapachol.

Key words : Tectoquinone, Lapachol, teak plantation, Lopburi, Kanchaburi, Sukhothai

¹ Royal Forest Department, THAILAND. email : tasaneepat@yahoo.com