

ISOLATION OF DERIVATIVE XANTHONE FROM THE STEM WOOD OF *Garcinia tetranda* Pierre

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Abstract

Garcinia tetranda Pierre is one of the family Clusiaceae which contain fenolat compound like xanthone. Derivative xanthone was isolated by gravitation column chromatography, thin liquid chromatography and was purified by recrystallization. The structure was elucidated by analyze of spectroscopy data UV, IR, $^1\text{H-NMR}$ dan $^{13}\text{C-NMR}$. A new compound of derivative xanthone was successfully isolated from stem wood of *Garcinia tetranda* Pierre is 1,3,4,6-tetrahydroxy- 5-methoxyxanthenes (124.5 mg) was obtained in yellow powder with melting point 208 – 210 °C.

Keywords : *Garcinia tetranda* Pierre, fractination, recrystallization, xanthone.