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Chemical Constituents of *Calophyllum Benjaminum* and *Calophyllum Javanicum* and their Bioactivities

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Previous studies on *Calopyllum* species have resulted in isolation of secondary metabolites such as xanthone and coumarins. However, phytochemistry investigations on *Calophyllum benjaminum* and *Calophyllum javanicum* have never been reported. Our recent study on the chemical constituents of the stem bark of both *Calophyllum benjaminum* and *Calophyllum javanicum* have yielded three xanthones. These were identified as fuscaxanthone C (1), β-mangostin (2), thwaitesixanthone (3), and dombakinaxanthone (4) together with four triterpenes known as friedelin, β-sitosterol, γ-sitosterol and stigmasterol. The hexane, chloroform, ethyl acetate and methanol extracts of *Calophyllum benjaminum* were tested for antioxidant properties by DPPH free radical scavenging test. Only the methanol extract shows significant antioxidant activity.

Keywords: Clusiaceae, *Calophyllum benjaminum*, *Calophyllum javanicum*, xanthone, Antioxidant.