

Dipeptide and xanthenes from *Artocarpus kemando* Miq.

ABSTRACT

The ground air-dried stem bark of *Artocarpus kemando* Miq. (Moraceae) collected from Sarawak, Malaysia was subjected to sequential extraction with hexane, chloroform and methanol to give three crude extracts. Silica gel chromatographic separation of the chloroform extract yielded a dipeptide, aurantiamide benzoate, cycloartobiloxanthone, dihydroartoindonesianin C and 6,7-dimethoxycoumarin. All compounds were obtained as crystals and their structures were determined on the basis of spectroscopic data, including UV, IR, MS, 1D- and 2D-NMR and comparison with known related compounds. This is the first report on the identification of a peptide in *Artocarpus* species.

Keyword: *Artocarpus kemando*; Aurantiamide benzoate; Dihydroartoindonesianin C; Dihydroartobiloxanthone; 6,7-dimethoxycoumarin.