

## Enhanced effect extraction of Homoorientin in *Phyllostachys bambusoides*

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Antioxidants are considered to be possible defensive agents for oxidative damage of human body. Therefore, there is a great interest in the antioxidants for supply to human as food components or as specific pharmaceuticals. In this work, the amounts of Flavone C-glycosides homoorientin extracted in *Phyllostachys bambusoides* by various ultrasonic waves frequency (35, 72, 170KHz, 300Watt  $\pm$ 1) time (15, 30, 60min) and temperature (25°C) were compared using 50% aqueous ethanol solution. And describes analysis of the antioxidant potential of *Phyllostachys bambusoides* using an high-performance liquid chromatography (HPLC) on-line ABTS+ antioxidant screening method. From the results, the effect on extraction yield of variations in frequency, solvent composition and extraction time was investigated. Also, homoorientin was high extracted at the experimental condition of low frequency 35 kHz and time 60 min, and observation images in bamboo material using scanning electron microscopy (SEM).