A xanthone, 1-hydroxy-5,6,8-trimethoxy-(3',3':2,3)-dimethilpyranoxanthone (1), was successfully isolated from methanol extract of the Garcinia cylindrocarpa stem bark. The fractination was done by liquid vacuum chromatography. The purification of compound was done by recrystalitation with n-hexane. The structure was elucidated by spectroscopic methods with UV, IR, 1D and 2D NMR. Furthermore, compound 1 showed a potent antioxidant activity using DPPH reagent.

Keywords: antioxidant, Garcinia cylindrocarpa, xanthones.