Antibacterial Activities of *Curcuma xanthorrhiza* (Roxb.) and Its Related Species

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ABSTRACT

Crude extracts of six medicinal plants, namely *Curcuma aeruginosa, C. mangga, C. rubescens, C. xanthorrhiza, C. zedoaria* and *C. inodora* Aff. were investigated for their antibacterial activities against some human pathogenic bacteria. These extracts significantly inhibited the growth of gram-positive *Staphylococcus aureus* (strains ATCC 24213 and ATCC 29213) and *Micrococcus luteus* and *Enterococci faecalis*, using agar diffusion assay method. None of the plant extracts inhibited the growth of gram-negative *Escherishia coli* (strains ATCC 25922 and ATCC 35213). *C. inodora* Aff. showed a pronounced and broad spectrum of activity whereas *C. zedoaria* showed the least activity.

Keywords: antibacterial activity, *Curcuma*, human pathogens

ISBN No. 978-979-25-1207-6