## Antifungal activity of curcuma xanthorrhiza and curcuma soloensis extracts and fractions

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Abstract	In this research, the antifungal activity of acetone extracts, and fractions of n-hexane, chloroform and ethylacetate of C. xanthorrhiza and C. soloensis rhizomes have been conducted. The antifungal activity was carried out by using agar dilution method and evaluated against Aspergillus fumigatus, Candida albicans, Epidermophyton sp, Penicillium sp and Trichophyton rubrum. The result showed that acetone extract and chloroform fraction of C. xanthorrhiza exhibited significant activities against A. fumigatus, Epidermophyton sp, Penicillium sp and T. rubrum with MIC 12.5-25.0 mu g/mL. The n-hexane fraction of C. xanthorrhiza showed significant activity on Epidermophyton sp with MIC 12.5 mu g/mL. Meanwhile, the extract and fraction of C. soloensis showed moderate and weak activities against all tested fungal with MIC 50-200 mu g/mL.
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