

ANTIMICROBIAL ACTIVITY OF PHYLLANTHUS RETICULATUS

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ABSTRACT

The present study was carried out to screen and evaluate antimicrobial activity of leaf extract of *Phyllanthus Reticulatus*. Aqueous extract of leaves of *Phyllanthus Reticulatus* was tested against *Escherichia coli*, *staphylococcus aureus*, *Bacillus spp.*, *pseudomonas aeruginosa* which are known to be resistant to various antibiotics *Phyllanthus Reticulatus* materials which was used during this study collected from sangli district. In this study, we examined the in vitro effect of extracts of *Phyllanthus Reticulatus* on *Escherichia coli*, *staphylococcus aureus*, *Bacillus spp.*, *pseudomonas aeruginosa*. Aqueous extracts was prepared from fresh *Phyllanthus Reticulatus* leaves. The susceptibility of tested bacteria to extract was determined by measuring the diameter of inhibition zones formed around well in plate. The results showed that the *Phyllanthus Reticulatus* leaves possess antimicrobial activity.

Keywords: *Phyllanthus Reticulatus* leaves, aqueous extract, antimicrobial activity.