

Phytochemical Screening and Antibacterial Activities of *Tapinanthus dodoneifolius* Leaves Extracts against Some Selected Clinical Isolates

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Abstract : The laboratory scale experiment was conducted to determine the phytochemical constituents and antibacterial activities of epiphytic neem leaves (*Tapinanthusdodoneifolius*) extracts on some selected clinical isolates. The samples were collected using polythene bags to avoid unnecessary contamination of the plants, and they were collected from the old site garden of the BUK. The phytochemical screening and antibacterial test were carried out in the Chemistry and Biology laboratory, respectively at Bayero University Kano (BUK). The result obtained showed that carbohydrates, glycosides, steroids, alkaloids, phenol, saponins and flavonoids are present in the ethanolic extract. However, chloroform extract showed only glycosides, phenols, and carbohydrates. Furthermore, there was no significant difference between the ethanolic extracts and bacterial isolates ($p < 0.05$).

Keywords : phytochemical screening, antibacterial, clinical isolates, epiphytic neem leaves, *Tapinanthus dodoneifolius*

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