THE ISOLATION, PURIFICATION AND PARTIAL CHARACTERIZATION OF AN ALKALOID FROM THE LEAVES OF "SALAI" *Ziziphus talanai* (Blanco) Merrill OF THE FAMILY *Rhamnaceae*

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ABSTRACT

A phytochemical screening conducted on the fresh leaves of *Ziziphus talanai*(Blanco)Merrill of the family *Rhamnaceae* showed to be positive for alkaloids which was isolated, purified and subjected to an IR spectroscopic analysis. The findings showed one alkaloid with a melting point of 58.03°C to 159.1°C, an R_f value of 0.77 and a percentage of 0.0075%. The results of the IR spectroscopic analysis showed an intramolecularly hydrogen bonded O-H stretch, C-H stretch, an N-H deformation, an N-H secondary deformation, an asymmetric bend and scissor, a gem-dimethyl doublet, an aromatic amine and a primary alcohol.