ANTIDIABETIC ACTIVITY OF CAESALPINIA CORIARIA

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Abstract

In the present study the anti-diabetic effect of *Caesalpinia coriaria* was determined. Aqueous, Acetone, Ethanol, Ethyl Acetate extract of *Caesalpinia coriaria* was prepared. The yield of the four extracts was calculated. In vitro antidiabetic activity of *Caesalpinia coriaria* was analysed by evaluating the α-amylase and α-glucosidase inhibitory potential of the *Caesalpinia coriaria*. The four extracts were further proceeded with phytochemical analysis. The quantitative assay of the phytochemical compound was estimated. From the result the plant *Caesalpinia coriaria* has the potential to inhibit the α-amylase and α-glucosidase activity and thereby reduce the glucose level which is very significant in reducing the glucose level in the system.

Keywords: - Antidiabetic activity, α-amylase, α-glucosidase