

## **Evaluation of the Insulinotropic Activity of Malaysian Traditional Plants Extract**

### **ABSTRACT**

In this study, methanolic extracts of 14 traditional plants in Malaysia were screened for insulinotropic properties, using rat pancreatic B-cell lines, BRIN-BD11 cells. In 30min acute static incubation test, all 14 plants showed varying degree of responsiveness in insulin release with *Labisa pumila*, *Morinda charantia* and *Tinospora crispa* having high insulinotropic activities. These plants also displayed appreciably low cytotoxic activities. These results show a promising avenue for development of novel insulin secretagogues.

**Keyword:** Insulinotropic, malaysian traditional plants, rat pancreatic B-cell lines