Safety Evaluation of Feeding A Newly Introduced Medicinal Plant VUKA (*Mondia whitei* L.) to Mice

Xhao-Kai Kuo, Long-Zen Chang, Yung-Wu Chen and Jiunn-Wang Liao

**ABSTRACT**

For the purpose to investigate the safety of utilizing VUKA (*Mondia whitei* L.), we processed the acute oral toxicity test in ICR mice. There was no mouse dead after given with VUKA extracts during the time course, so the LD$_{50}$ of water-extracted and freeze-dried powder of VUKA was estimated over 15 g/kg body weight for mice. No significant lesions of brain, heart, liver, kidney, spleen and thymus were found at gross and histopathological observation in the treated mice. Hematological parameters included of WBC, RBC, HGB, HCT, MCV, MCH, MCHC and PLT values were as normal as control. Besides, serum biochemistry changes in liver and renal function included of ALT, AST and creatinine values had no significant difference ($p>0.05$) with control.

**Key Words:** VUKA (*Mondia whitei*), acute toxicity, semi-mortality (LD$_{50}$).