

**ACUTE TOXICITY PRODUCT YACONA® USING THE OECD
(Organisation for Economic Co-operation and Development) 425 METHOD
ON FEMALE WISTAR RATS**

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ABSTRACT

YACONA® products is one of the herbal product that consists of a combination of leaf (*Smallanthus sonchifolius*) yacon, salam leaves (*Eugenia polyantha*) and *Andrographis paniculata* (sambiloto (*Burm. f.*) Ness.) antidiabetic drugs that are used for. To assess the safety of a drug ingredient limit treated test toxicity. This research aims to know the level of security products with value determination YACONA® LD₅₀ and see an overview of liver and kidney histopathology of rats Wistar females. Study toxicity test is performed using the methods of the Acute Oral Toxicity 425 OECD: Up and Down Procedure (UDP) with a dose Limit test 2000mg/kgBB. From the test results, up to a dose of 2000mg/kgBB obtained no symptoms and the death of toxicity on animal testing, so the product can be classified as YACONA® compound is not toxic with LD50 values above 2000mg/kgBB. The results of histopathological picture of the organ, it is known that the liver has accumulated glycogen, multifocal cyst and no change, then the kidney organ experiences nephrosis.

Keywords : Acute toxicity test, LD₅₀, OECD 425, YACONA®.