

COVER LETTER

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Address to the Chief of Editor:

Dwi Nur Ahsani, MD, M.Sc
Editor in Chief
Jurnal Kedokteran dan Kesehatan Indonesia

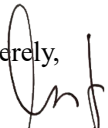
Dear Dwi Nur Ahsani, MD, M.Sc,

We are pleased to submit our manuscript entitled: "Effects of Methanol Extract of Insulin Leaves (*Tithonia diversifolia*) on Insulin Resistance and Secretion of Obese Diabetes Mellitus Rats", for consideration as an original article. This research is an experimental laboratory study on the effect of the administration of *Tithonia diversifolia* leaf methanol extract to the secretion and insulin resistance in obese rats with diabetes mellitus. We found that methanol extracts of insulin leaves at doses of 500 mg/kg body weight decreased insulin resistance not significantly, and administration of extracts of doses of 50, 250, and 500 mg/kg body weight significantly increases insulin secretion.

This research is important for the development of diabetes mellitus treatment research because the disease is a major health problem. In this study, we explore local plants that can be utilized at a low cost.

Research on the effect of *Tithonia diversifolia* leaves extract on insulin resistance and secretion is new and has the potential to be developed in further research. This research is not a derivative of previous work.

This manuscript has never been published before and is not under consideration in the same or substantially similar form in any other peer-reviewed media.

Sincerely,

Raden Edi Fitriyanto

Corresponding author

Contact information (title, group affiliation, physical address, email, phone)

Name : Raden Edi Fitriyanto, MD
Affiliation : Biochemistry (Clinical nutrition)
Address : Biochemistry Department of Faculty of Medicine, Universitas Islam Indonesia
Email : 017110417@uii.ac.id
Phone : 081328727077

Back up contact

Contact information (title, group affiliation, physical address, email, phone)

Name :
Affiliation :
Address :
Email :
Phone :