Nama Jurnal: Journal Traditional and Complementary Medicines (JTCM)

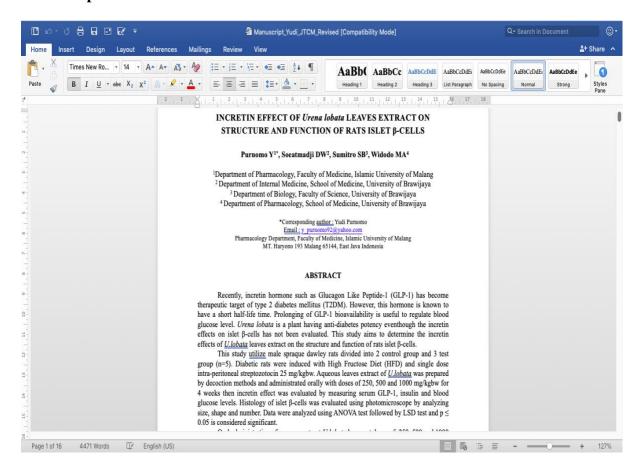
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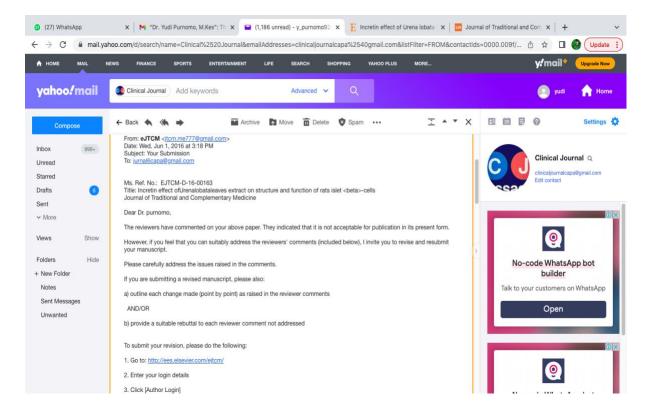
# Judul Artikel : Incretin effect of \textit{Urena lobata}\ leaves extract on structure and function of rats islet $\beta\text{-cells}$

Tanggal	Activity	Reviewer Comments
16-05-2016	Submision of	
	article	
16-05-2016	Article received	Article has been received by editor
01-06-2016	Editor responses	Comments editor were attached
01-06-2016	Reviewer	Comments from reviewer were attached
	comments	
22-08-2016	Resubmit the	Author responses to reviewer were attached
	revised article	
25-10-2016	Editor responses	The article accepted
28-10-2016	Editor responses	The article will be published
16-11-2016	Galley proof	Galley proof correction
	sending	
27-11-2016	Resubmit the	-
	revised article	
12-07-2017	Published	On line published

## **Manuscript submission:**



#### **Editor comments:**



#### **Reviewer comments**

Ms. Ref. No.: EJTCM-D-16-00163

Title: Incretin effect of Urenalobataleaves extract on structure and function of rats islet <beta>-cells Journal of Traditional and Complementary Medicine

Dear Dr. purnomo,

The reviewers have commented on your above paper. They indicated that it is not acceptable for publication in its present form.

However, if you feel that you can suitably address the reviewers' comments (included below), I invite you to revise and resubmit your manuscript.

Please carefully address the issues raised in the comments.

If you are submitting a revised manuscript, please also:

a) outline each change made (point by point) as raised in the reviewer comments

AND/OR

b) provide a suitable rebuttal to each reviewer comment not addressed

To submit your revision, please do the following:

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I look forward to receiving your revised manuscript.

Yours sincerely,

Lee-Yen Sheen Editor in Chief

Journal of Traditional and Complementary Medicine

Reviewers' comments:

#### Reviewer #1: Comments:

The study is an interesting one and publishable in a reputable journal of such, but I think the following comments will enrich the outreach of the work and convey the intended information to readers, also making it reproducible. Introduction:

- 1. The first sentence could be recast as "Modulation of incretins in the treatment of type 2 diabetes mellitus have received increasing attention attention in the recent search for potent anti-diabetes".
- Hormone(s) (not hormon(s)).
- Hyperglycemia (Not hyperglycemic) in the first two paragraphs.
- 4. Incretin hormone especially GLP-1 has effect to cure T2DM patient. ? This is not a clear sentence.
- 5. I think the authors should reconstruct the information in the second and third paragraphs to flow.
- 6. Therapy (not theraphy)
- 7. I think the sentence "Herbs is one of medication choices because they have less side effect and holistic care property", can be replaced with "Herbs are becoming popular medications of choice in the managements of diseases

due to their perceived less side effects ..."

- 8. I think the sentence "One of traditional plants which have anti-diabetic effect is Caesar weed (Urenalobata)" Should be expunged, or authors could move to the body of the same paragraph with relevant ref if they wish to retain.
- 9. The authors may find it required to redraft the last sentences, focusing on U. lobota and its reported efficacies in the literature.

Material and Methods:

- 1. Authors should carefully edit this section for minor typographical mistakes.
- 2. Animals and Treatments (The study was conducted). I think not they were conducted
- 3.  $P \le 0.05$  or P < 0.05 was considered to be statistical significant (I think you used 95% CI) Grouping and Treatments:
- 1. You did not state anywhere in the methodology (abstract and body), if you firstly induced diabetes in the U lobota extract treated animals.
- 2. It is stated in your abstract that the animals were divided into 2 control groups and 3 test goups. Diabetic rats were induced with High Fructose Diet (HFD) and single dose intra-peritoneal streptozotocin. Aqueous leaves extract of U. lobata was administrated orally with doses of 250, 500 and 1000mg/kgbw for 4 weeks (?).
- 3. In the methods section, it is written "For eight weeks, the normal group (NG) received ND whereas the diabetic (DG) and treatment groups received HFD. The treatment groups were given aqueous extract of U. lobata (AEU) at a dose of 250 mg/kg, 500 mg/kg, and 1000 mg/kgbw for four weeks (?)."

Results, discussion, conclusion and infrences:

I think statements below written before the results will be a repetition of the legends and can be expunged "Body weight, food consumption, blood glucose and insulin level of diabetic rat supplemented with U.lobataleaf extract can be shown Table 1." "GLP-1 serum level of diabetic rat supplemented withU.lobata leaf extract can be shown Figure 1." "Insulin serum level of diabeticrat supplemented withU.lobata leaf extractcan be shown at Figure 2." "Blood glucose level of rat supplemented with U.lobata after stimulating glucose oral can be shown at Figure 3." "Islet <br/>
<br/>
Seta>-cellswere observed under microscope at 400x magnification as shown at Figure 4."

The treatment groups includes Normal group Diabetic group EAU-250 mg/kg bw EAU-500 mg/kg bw EAU-1000 mg/kg bw

- 1. If these are your treatments, without pre-induction of diabetes in the EAU treated groups, do you not think that the EAU affecting both Serum Insulin level, Blood glucose level, GLP-1, body weight and food consumption when compared with the normal control animals, in the same way like the diabetic groups.
- 2. I think these results are fantastic if only it is clear that, the EAU are pre-induced diabetes.
- 3. What do the authors think may be responsible for the low GLP-1 level in the diabetic rats, knowing that the Secretagogues of GLP-1 is nutrition, and there is high food consumption in the rats.
- 4. Please, redefine the # in table 1, as it also indicate significant difference in your treatment groups to both the control and the diabetic in the Food consumption results.
- 5. There is need to define the superscripts (a, b, c and d) as presented in tables 2, 3 and 4.
- 6. I don't think it is also necessary to present a single result as table and figure (as of GPI-1, insulin and blood glucose levels).

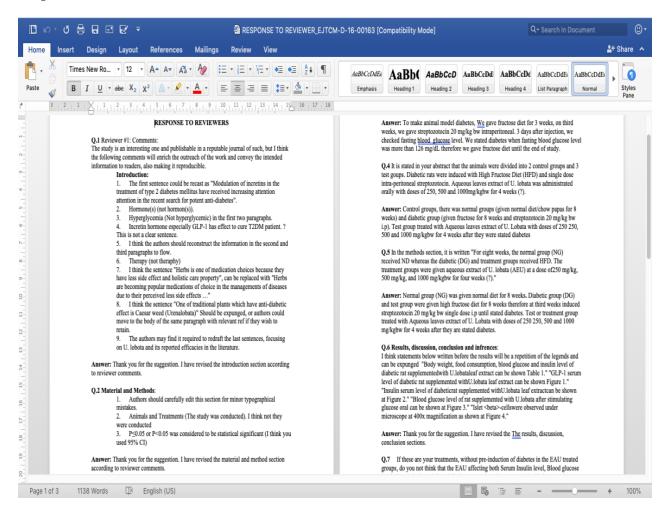
Representative photomicrographs:

- 1. Why is the EAU-250 mg/kg bw not represented
- 2. The authors used the verb "PREVENT" in defining the activities of EAU in the discussion and conclusion.
- 3. If it is clear that EAU was administered before inducing diabetes, then they are 100% correct. But if diabetes induction precedes EAU treatments, I suggest they use "AMELIORATE".

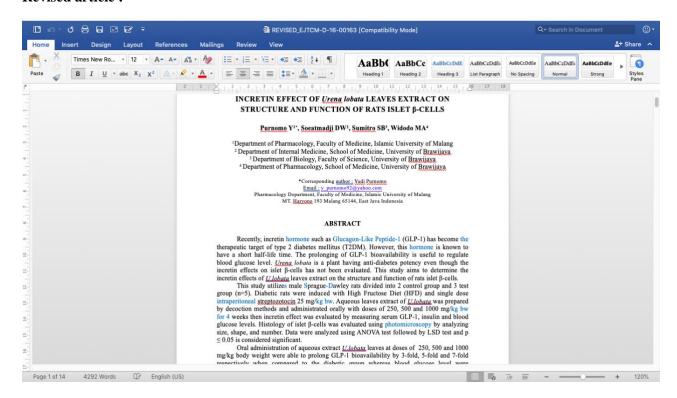
These observations are intended to better the presentation of the work.

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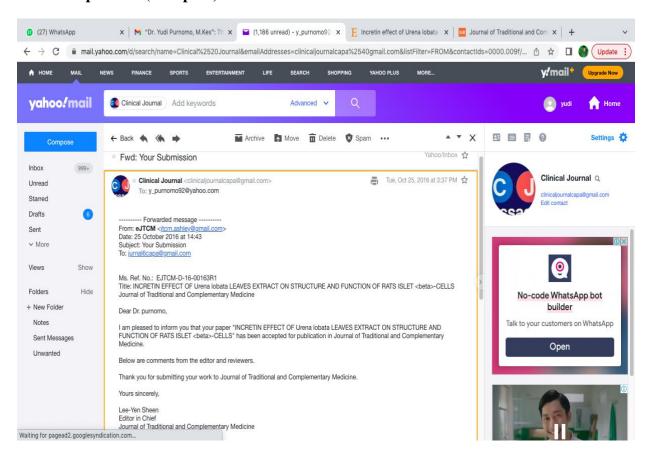
## **Response to reviewer:**



# Revised article:



## **Editor responses : (Accepted)**



#### **Editor responses:**

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Article reference: JTCME165

Journal title: Journal of Traditional and Complementary Medicine

Corresponding author: Dr. yudi purnomo

First author: Dr. yudi purnomo

Dear Dr. purnomo,

Your article INCRETIN EFFECT OF Urena lobata LEAVES EXTRACT ON STRUCTURE AND FUNCTION OF RATS ISLET <a href="Seeta">SEET <a href="Seeta">SEETA <a href="Seeta">S

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## **Editor comments : Galley proof correction**

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16 November 2016 at 08:23

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Article reference: JTCME\_EJTCM-D-16-00163
Article title: INCRETIN EFFECT OF Urena lobata LEAVES EXTRACT ON STRUCTURE AND FUNCTION OF RATS

ISLET <beta>-CELLS

To be published in: Journal of Traditional and Complementary Medicine

Dear Dr. Purnomo

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Pradeepa Jagadeesan Data Administrator

E-Mail: p.jagadeesan@elsevier.com

## **Correction of galley proof:**



## Final version Published on line:

