

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 60120

**Title:** Effect of probiotic Lactobacillus plantarum Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults

**Reviewer's code:** 05444056

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Assistant Professor, Doctor

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Indonesia

**Manuscript submission date:** 2020-11-09

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-11-10 01:06

**Reviewer performed review:** 2020-11-10 08:35

**Review time:** 7 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

In the present study, authors performed a randomized controlled trial study for investigating the effect of consumption of powder containing probiotic *Lactobacillus plantarum* Dad-13 on gut microbiota and intestinal health of overweight adults. Overall, it is a complete study with some interesting findings, however I've got some suggestions regarding this experiment. Why did you chose *L. plantarum* Dad-13 and the dosage chosen ration for your study needs to be clarified. I noticed that the body weight was significant changed among sexes, please provide necessary explanations. Why the lipid profiles remain unchanged? Does the different sexes have dissimilar patterns? Could you please provide necessary explanations on the decreased butyrate levels? I noticed that authors compared the gut microbiota at different taxonomic levels, based on 16s sequencing, I suggest authors performed bacterial absolute quantification using qPCR. Other suggestions, LN 67 From analysis of gut microbiota showed significant increase of Bacteroidetes especially in genus *Prevotella* from  $14.56 \pm 11.57$  to  $19.25 \pm 13.03$  (%) in the , while there is significant decrease on Please check. Abbreviations needs to be explained when first time used.