

Review of: "Valorization of palm oil wastes into oyster mushrooms (*Pleurotus HK-37*) and biogas production"

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Potential competing interests: No potential competing interests to declare.

This topic of the research has an enormous potential to be developed for POME utilization and food security at the same time. The abstract outlines the research clearly enough and overviews the results. The introduction explains the role of the topic for reducing waste and providing alternative food sources. The discussion is well elaborated with similar studies.

Some parts should be improved to enhance the manuscript:

1. Renumbering the table.
2. Please, add the legend on vertical axis.
3. Table 2 on page 11 should be reconstructed that the table style is similar with others.
4. It should be defined clearly: biological efficiency and mushroom yield (see Figure 1). Do they have the same unit (g/kg wet substrate)?
5. Table 5 on page 13: as methane is in gas phase, the pressure and temperature should be considered when measuring the volume. Is it in normal pressure and temperature?
6. The graphs should be improved.