

agriTECH Editorial Department  
Faculty of Agricultural Technology, Universitas Gadjah Mada  
Jalan Flora No 1, Bulaksumur, Yogyakarta 55281, Indonesia

June 7, 2023

Dear Ms. Rachma Wikandari,

We wish to submit an original research article entitled “Produksi Surfaktan Metil Ester Asam Lemak dari Minyak Sawit dengan Variasi Suhu dan Durasi Reaksi” for consideration by agriTECH.

We confirm that this work is original and has not been published elsewhere, nor is it currently under consideration for publication elsewhere.

In this paper, we report on biodegradable surfactants that can be produced by using palm oil with an easy and simple technology. We also examined their characteristics, such as HLB (hydrophilic-lipophilic balance) value, surface tension, CMC (critical micelle concentration), density, and pH value, and confirmed that comparable to commercial surfactants. This is significant because the production of surfactants generally uses non-biodegradable and non-renewable materials.

We hope our research can be a basis for producing biodegradable surfactants by utilizing tropical oil, which can substitute commercial surfactants, especially surfactants used in the food industry.

We believe that this manuscript is appropriate for publication by agriTECH because it covers topic on food and agricultural product technology.

We have no conflicts of interest to disclose.

Please address all correspondence concerning this manuscript to me at [setyaningrum\\_ariviani@staff.uns.ac.id](mailto:setyaningrum_ariviani@staff.uns.ac.id).

Thank you for your consideration of this manuscript.

Sincerely,

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