

16<sup>th</sup> June 2020

Prof. Nuryono

Editor, Indonesian Journal of Chemistry

Dear Professor,

We wish to submit an original research article entitled “**Equilibrium Modeling of Astaxanthin Extraction from *Haematococcus pluvialis***” for consideration to publish in Indonesian Journal of Chemistry. We confirm that the written manuscript is original, and no part of it has been published before, nor is any part of it currently under consideration for publication elsewhere.

We investigated the equilibrium modeling in astaxanthin extraction for scaling up purpose. The major highlights of this manuscript are:

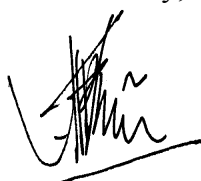
- Determination the appropriate astaxanthin extraction process condition.
- Determination the appropriate equilibrium model represent the astaxanthin extraction process.
- Determination parameters derived from astaxanthin extraction equilibrium models for scaling up purpose.

We believe that this manuscript is appropriate for publication by Indonesian Journal of Chemistry because it covers one of the major section of Indonesian Journal of Chemistry *i.e.*: Natural Products and Medicinal Chemistry. The paper is interesting for readers in the area of natural resources.

This manuscript is free from plagiarism. We have no conflicts of interest to disclose. All author has approved the manuscript and agree with submission to Indonesian Journal of Chemistry. Please address all correspondence concerning this manuscript to me at [abudiman@ugm.ac.id](mailto:abudiman@ugm.ac.id).

Your consideration is very much appreciated. We are looking forward to your favorable reply.

Yours sincerely,



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