COVER LETTER

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Dear Editor of Indonesian Journal of Chemistry,

We wish to submit an original research article entitled "**COMPARISON OF THE ADSORPTION ABILITY OF MgAl-HC, CaAl-HC, AND ZaAl-HC COMPOSITE MATERIALS BASED ON DUKU PEEL HYDROCHAR IN ADSORPTION OF DIRECT GREEN ANIONIC DYES**" for consideration by the 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.

This research utilizes duku peel waste which is processed by hydrothermal carbonization method which has the potential as an organic adsorbent, namely hydrochar (HC). The development of HC material is used as a support material for MgAl, CaAl, and ZnAl hydroxy double layers to obtain composite materials. The resulting composite materials in the form of MgAl-HC, CaAl-HC, and ZnAl-HC are expected to become adsorbents that have better adsorption capabilities than precursors. The success of the preparation is supported by the data from the XRD and FT-IR characterization results. The adsorption ability of the adsorbent is proven by several parameters including selectivity of mixed dyes, regeneration and stability, isotherm, thermodynamics, and kinetics. The results showed that CaAl-HC had the largest adsorption capacity compared to MgAl-HC and ZnAl-HC. In addition, the regeneration results show that the composite material has structural stability that lasts up to five cycles when used repeatedly.

Please find below a list of potential reviewers for this work.

We have no conflicts of interest to disclose.

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

Sincerely,

Aldes Lesbani

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2. Reviewers have no research collaboration with authors in the last three years.
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