Editors-in-Chief

Asian Journal of Applied Sciences

Dear Sirs,

I, along with my co-author, would like to ask you to consider the attached manuscript entitled “Characteristics and Structure of Hopeite-Mineral (Type A3(PO4)2.4H2O)" for publication in Asian Journal of Applied Sciences as an original study.

In this study, we accomplished the aim of the study was to gain more information about the structural changes during the dewatering reactions of the above compounds. The paper is focus on the low-temperature absorption of hopeite clay mineral, afterward the phases are examined for the dependence of temperature at different pressures. Hopeite shows signs of a phase transformation. Their use for the dental cement industry as a lubricant for cold-rolling mills is to be emphasized, such as coating with phosphate mineral or carbonaceous crystal. This is shown by the appearance of the new reflexes. The observed changes take place below the dewatering known from the literature. The phase change was investigated using a neutron scattering experiment. We believe that the findings of this study are relevant to the scope of your journal and will be of interest to its readers.

This manuscript has not been published or presented elsewhere in part or in entirety and is not under consideration by any other journals. All authors have approved the manuscript and agreed upon submission to your esteemed journal. There are no conflicts of interest to declare.

I look forward to hearing from you at your earliest convenience.

Sincerely,

Lutfian R. Daryono

Laboratory of Biotechnology for Resource Engineering

Graduate School of Engineering, Hokkaido University, Japan

Tel. and Fax: +81-11-706-6325

Emails: [luthfian.daryono@gmail.com](mailto:luthfian.daryono@gmail.com); [daryono89@eis.hokudai.ac.jp](mailto:daryono89@eis.hokudai.ac.jp)

Aji Syailendra Ubaidillah

Department of Geological Engineering, Faculty of Engineering, Universitas Gadjah Mada,

Yogyakarta, Indonesia

Depatment of Mining Engineering, Universitas Muhammadiyah Mataram

Email: [aji.syailendra@gmail.com](mailto:aji.syailendra@gmail.com)

Arifudin Idrus

Department of Geological Engineering, Faculty of Engineering, Universitas Gadjah Mada,

Yogyakarta, Indonesia

Email: [arifidrus@gmail.com](mailto:arifidrus@gmail.com)

I Wayan Warmada

Department of Geological Engineering, Faculty of Engineering, Universitas Gadjah Mada,

Yogyakarta, Indonesia

Email: [warmada@gmail.com](mailto:warmada@gmail.com)

Karsten Knorr

Business Development Industrial XRD, Bruken AXS GmbH, Östliche Rheinbrückenstr 49, 76187

Karlsruhe, Germany

Email: [karsten.knorr@bruker-axs.de](mailto:karsten.knorr@bruker-axs.de)

**Credit author statement:**

Aji S. Ubaidillah: Investigation, Draft preparation, Research Designed., Lutfian R. Daryono: Data curation, Writing- Original draft preparation, Visualization, Investigation., Arifudin Idrus: Supervision, Validation. I Wayan Warmada: Writing- Reviewing and Editing, Supervision., Karsten Knorr: Supervision, Validation Data in Germany.