Dear Editor In-Chief

Indonesian Journal of Biotechnology

Study Program of Biotechnology, UGM

Dear Sir,

Please find enclosed a manuscript entitled: **Application of CRISPR/Cas9 Genome Editing System For Molecular Breeding of Orchids**

Authors: Endang Semiarti, Aziz Purwantoro, Jaka Widada, Yasushi Yoshioka, Shogo Matsumoto, Aries B. Sasongko, Matin Nuhamunada, Windi Mose, Muhammad D. Lawrie, Yuli Setiawati, Sri Nopitasari, Kana Ninomiya, Yuki Asano

which I am submitting for exclusive consideration of publication as an article in Indonesian Journal of Biotechnology.

FYI, this manuscript is the result of an international research collaboration between the research team of the Faculty of Biology UGM, Faculty of Agriculture UGM and the research team from Graduate School of Biological Science Nagoya University (NU) and Graduate School of Bioagriculture NU, Japan, which was funded by the Japan Society for Promoting Science (JSPS) and Ministry of Research and Technology DGHE Indonesia Bilaterally Research Program for the years 2017-2019.

This paper shows the application of a new method to change the character of orchid plants by using Cas9 protein through the method of genome editing systems using CISPR / Cas9.

As such this paper should be of interest to a broad readership in Biotechnology including the successful application of the CRISPR/ Cas9 genome editing system method in orchids will open up opportunities to create new properties in orchids, especially to edit plant genomes which are suppressors of functional genes. The results of this study will be an initial research that has the potential to be further developed in orchid biotechnology, that should be targeted by the journal. We do hope this paper could be accepted for publication in IJB.

Thank you for your consideration. Please address all correspondence concerning this manuscript to me by e-mail (endsemi@ugm.ac.id).

Yogyakarta, the 7th of October 2018

Best regards,



Endang Semiarti

Faculty of Biology UGM-Yogyakarta