

CORRECTION

Open Access



# Correction: A study on catalytic and non-catalytic sites of H5N1 and H1N1 neuraminidase as the target for chalcone inhibitors

Pandu Hariyono<sup>1</sup>, Jasvidianto Chriza Kotta<sup>1</sup>, Christophorus Fideluno Adhipandito<sup>1,2</sup>, Eko Aprilianto<sup>1,3</sup>, Evan Julian Candaya<sup>1,4</sup>, Habibah A. Wahab<sup>5</sup> and Maywan Hariono<sup>1\*</sup>

**Correction: Appl Biol Chem (2021) 64:69**  
<https://doi.org/10.1186/s13765-021-00639-w>

Following the publication of the original article [1], it was noted that the “Ethical declarations” statement were missing.

It has been updated in this correction and the original article [1] has been updated.

## Acknowledgments

We thank to Scripps Institute, ACDLabs, and Biovia for providing free softwares.

The original article can be found online at <https://doi.org/10.1186/s13765-021-00639-w>.

\*Correspondence:

Maywan Hariono  
mhariono@usd.ac.id

<sup>1</sup> Faculty of Pharmacy, Sanata Dharma University, Campus III, Paingan, Maguwoharjo, Depok, Sleman 55282, Yogyakarta, Indonesia

<sup>2</sup> Faculty of Biomedical Engineering, Taipei Medical University, Wuxing Street No. 250, Xinyi District, Taipei City 110, Taiwan

<sup>3</sup> PT. Dankos Farma, Jalan Rawagatel Blok IIS Kav 35-39, Jatinegara, Cakung, Jakarta Timur 13930, DKI Jakarta, Indonesia

<sup>4</sup> Apotek Kimia Farma Sempidi Unit Bisnis Nusa Dua, Jalan Raya Sempidi No. 12, Mengwi, Badung 80351, Bali, Indonesia

<sup>5</sup> Pharmaceutical Technology Department, School of Pharmaceutical Sciences, Universiti Sains Malaysia, 11800 Minden, Pulau Pinang, Malaysia

## Author contributions

HAW and MH organises the project and the article writing and review. Investigation, PH, JCK, CFA, EA and EJC are students under MH supervision that contribute by doing the experiments.

## Funding

This study was funded by Faculty of Pharmacy, Sanata Dharma University under Internship Grant 2019 for the financial support.

## Availability of data and materials

All data generated or analysed during this study are included in this published article [and its supplementary information files].

## Competing interests

The authors declare they have no competing interests.

Published online: 27 August 2023

## Reference

1. Hariyono P, Kotta JC, Adhipandito CF, Aprilianto E, Candaya EJ, Wahab HA, Hariono M (2021) A study on catalytic and non-catalytic sites of H5N1 and H1N1 neuraminidase as the target for chalcone inhibitors. *Appl Biol Chem* 64(1):69. <https://doi.org/10.1186/s13765-021-00639-w>

### **Publisher's Note**

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.