Gadjah Mada University

Bulaksumur

Special Region of Yogyakarta

55284

(0274) 544975, 564239  
 sps@ugm.ac.id

May 15, 2023

Dear Editorial Board Member.

We wish to submit an original research article entitled Sensitivity Of CCME-WQI, NSF-WQI, OWQI And Smith Index Water Quality Indices in Karst Areas for consideration by Jurnal Ilmu Lingkungan/Environmental Science Bulletin.

We confirm that this work is original and has not been published elsewhere, nor is it currently under consideration for publication elsewhere.

In this paper we show that the water quality status of the river can be determined quite accurately using the NSF-WQI water quality index. It is significant to see an applicable method to assess the water quality status and see the pattern of pollutants in the study site which is a karst area.

Based on the water quality index method used, NSF-WQI is the most suitable method. we believe that the findings presented in our paper will appeal to the specific scientists who subscribe to Environment and Natural Resources Journal. Prior research has identified other methods that could be used to determine water quality status in karst such as CCME-WQI and NSF WQI. The analysis provided that the sensitivity of the WQI formula was assessed to determine the most suitable method that could describe the water quality status. Thus our findings will allow readers to understand the factors involved in analyzing and evaluating the sensitivity of water quality index formulas and will deepen the understanding of the pollution patterns that occur in the study area.

We have no conflicts of interest to disclose.

Please address all correspondence concerning thus manuscript to me at [almira.rahma.h@mail.ugm.ac.id](mailto:almira.rahma.h@mail.ugm.ac.id).

Thank you for your consideration of this manuscript.

Sincerely,

Almira Rahma Hinanto

Master of Environmental Science

Graduate School of Gadjah Mada University

Suggested Reviewer

1. Prof. Tri Retnaningsih Soeprobowati-Diponegoro Universiity- Indonesia
2. Prof Peter Gell- Federation University Australia-Australia
3. Dr S Sunardi -Universitas Padjadjaran-Indonesia