26th August 2020

**Dear the Editor of Indonesian Journal of Geography,**

I enclose a manuscript entitled “**Water Balance Simulation for Irrigation Potential in Java Island, Indonesia**” written byYudha Mediawan, Lily Montarcih, Widandi Soetopoi, Tri Budi Prayogo which we would like to submit for publication as a research article Indonesian Journal of Geography.

In Indonesia, one of the main obstacles in raw water supply is a limited water supply. To solve this problem, water resources availability and needs analysis is conducted with regards to irrigation water.

This research is conducted by the analysis of water availability through WFLOW hydrology simulation and analysis of water needs based on Indonesia guidelines using population statistics. This result is very useful in inputting irrigation management policies for integrating with water resources in Indonesia.

We believe that our manuscript contributes a breakthrough in revealing surface water problems which related in irrigation system field, and that it is suitable to be published in Indonesian Journal of Geography.

The content of the manuscript is a new work, which has not been previously submitted to another journal, and it will not be submitted to another journal while the manuscript is being considered by Indonesian Journal of Geography. All authors have seen the manuscript and agree to its submission to Indonesian Journal of Geography.

There are several updates based on the suggestions regarding this paper which has already been submitted before to Indonesian Journal of Geography, and rejected, includes:

1. Additional comparisons with other papers regarding the result of this study has been added (e.g. line 380-385, line 415-417, line 430-438)
2. The writing style has been updated to meet the criteria for the submission to Indonesian Journal of Geography
3. More references have been added
4. The improvement the image quality, as well as other corrections, has been done
5. The grammar has been improved

Additionally, regarding the reviewer, we have several reviewers we would like to suggest as reviewer for this paper:

1. Name : **Prof. Dr. Waluyo Hatmoko, M.Sc**  
   E-Mail : whatmoko @ gmail.com  
   Affiliation : Researcher at Research Center for Water Resources
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**Yours sincerely,**

**Yudha Mediawan**