

8<sup>th</sup> June 2020

Dear Dr Eko Haryono, M.Si

We wish to submit an original research article entitled “Spatial Analysis on Seasonal Rainfall in East Coast of North Sumatera Indonesia” for consideration by Indonesian Journal of Geography. We previously have written a short description about spatial analysis on annual rainfall in the same study area (doi:10.1088/1755-1315/250/1/012111), while this manuscript builds on our prior and more detail study about the rainfall analysis in the study area.

In this paper, we report on the spatial analyze on three group of seasonal rainfall in east coast of North Sumatera. The highlights of the manuscript are:

- The east coast of North Sumatera has a lesser rainfall rather than in the middle and west coast of North Sumatera.
- The spatial analysis on first classification (AMJJAS and ONDJFM) divides the rainfall amount evenly in the two seasons, however cannot describe the difference between the rainy and dry season.
- The spatial analysis on second classification (JFMAMJ and JASOND) seasonal rainfall shows significant differences of rainfall amount in both seasons, and describe clearly between the rainy and dry season.
- The spatial analysis on third classification (JFMA, MJJA, SOND) is more specifics and describe a repetition of rainfall pattern about every 4 years.

We believe that this manuscript is appropriate for publication by the Indonesian Journal of Geography because the manuscript scope is about climatology and geographic information systems. Our manuscript explains the rainfall pattern in the study area more complete and easy to understand.

This manuscript has not been published and is not under consideration for publication elsewhere. We have no conflicts of interest to disclose. If you feel that the manuscript is appropriate for your journal, we suggest the following reviewers:

1. Dr. Emilya Nurjani, S.Si., M.Si. (Geography, UGM); email: [emilya.nurjani@ugm.ac.id](mailto:emilya.nurjani@ugm.ac.id)
2. Dr. Mohammad Pramono Hadi, M.Sc. (Geography, UGM); email: [mphadi@geo.ugm.ac.id](mailto:mphadi@geo.ugm.ac.id)
3. Dr. Margaretha Widyastuti, M.T. (Geography, UGM); email: [mwiwik@ugm.ac.id](mailto:mwiwik@ugm.ac.id)

Thank you for your consideration.

Sincerely,



Nuzul Hijri Darlan

*Researcher in Indonesian Oil Palm Research Institute  
and Doctoral Student in Universitas Gadjah Mada*