**Cover Letter**

January 9, 2020

Editorial Team of Indonesian Journal of Geography, Faculty of Geography, Universitas Gadjah Mada, Indonesia

Dear Editor of IJG,

I am submitting a manuscript for consideration of publication in Indonesian Journal of Geography. The manuscript is entitled “Modeling Annual Parasite Incidence of Malaria in Indonesia in 2017 using Spatial Regime”. It has been approved by all authors, has not been published elsewhere and that it has not been submitted simultaneously for publication elsewhere.

“Geographically weighted regression (GWR) is a well-known method for modeling structural diversity in spatial data. The GWR coefficient differs between locations, making it difficult to interpret. Therefore, this study summarized the GWR coefficient by the cluster method, and the result is known as the spatial regime. This study aims to determine the regime and its regression model. The data used are the Annual Parasite Incidence (API) rate in 2017 with predictors are annual blood examination, the proportion of cases of *Plasmodium falciparum*, the Proportion of cases of *Plasmodium vivax*, and the number of cases in children aged 2-14 years. Three regimes are formed, which can be identified as regimes with low, medium and high API. Predictors that significantly affect each regime differ. This result can be utilized by local governments in dealing with factors that influence API”.

For the purpose of reviewing my manuscript, I suggest the following reviewers:

1. Dr. Purhadi MSc., Sepuluh Nopember Institute of Technology, [purhadi@statistika.its.ac.id](mailto:purhadi@statistika.its.ac.id) (HP: 0858-5015-9314)
2. Dr. Yekti Widyaningsih P, University of Indonesia, [widyaningsihyekti@gmail.com](mailto:widyaningsihyekti@gmail.com), [yekti@sci.ui.ac.id](mailto:yekti@sci.ui.ac.id) (HP: 0816-1474-835)
3. Dr. Dewi Retno Sari Saputro, Universitas Sebelas Maret, [dewi.rss@gmail.com](mailto:dewi.rss@gmail.com) (HP:0812-2624-401)

Thank you very much for your consideration.

Yours Sincerely,

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