

28 Desember 2022

Dear Dr.-Ing. Prihadi Nugroho,

We wish to submit an original research article entitled “Kemajuan Perencanaan dan Dampak Potensial Pembangunan Pembangkit Listrik Tenaga Surya Terapung Skala Utilitas di Waduk Cirata, Jawa Barat” for consideration by Jurnal Wilayah dan Lingkungan. We confirm that this work is original and has not been published elsewhere, nor is it currently under consideration for publication elsewhere.

We believe that this manuscript is appropriate for publication by “Jurnal Wilayah dan Lingkungan” because “Jurnal Wilayah dan Lingkungan” emphasizes on the sustainability issues in regional development in Indonesia. Global warming due to large greenhouse gas emissions from the energy sector has become one of the main issues in regional development. The Indonesian government has committed to implementing sustainable regional development goals, especially in the energy sector. As tangible evidence of this commitment, the Indonesian government in collaboration with private parties will build a utility-scale floating solar power plant (PLTS) in Cirata Reservoir, West Java, Indonesia. It is believed that the development of this infrastructure will provide benefits, but it is also suspected that it may have negative impacts. How far the planning for a utility-scale floating solar power plant at Cirata Reservoir has progressed and what the potential impacts of such infrastructure are for sustainable regional development have not been explored. This article fills that gap. This article aims to outline the planning progress of utility-scale floating solar power plants in Cirata Reservoir and identify the potential impacts of such infrastructure for sustainable regional development. The article uses qualitative data analysis methods with open coding techniques. The article identifies that the potential positive impacts of a utility-scale floating solar power plant at Cirata Reservoir include energy production, regional economic improvement, avoided greenhouse gas emissions, reduced water evaporation, and technology transfer. Potential negative impacts include negative externalities and potential social conflicts with surrounding communities. Finally, the article suggests some anticipatory policies and suggestions for further studies

We have no conflicts of interest to disclose. Please address all correspondence concerning this manuscript to me at [email address]. Thank you for your consideration of this manuscript.

Sincerely,

Asirin