MANAJEMEN PENGELOLAAN INFRASTRUKTUR DAN TRANSPORTASI UNIVERSITAS BERBASIS KONSERVASI LINGKUNGAN SECARA BERKELANJUTAN UNTUK MENDUKUNG GREEN CAMPUS

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ABSTRACT

Infrastructure and transportation arrangements at a university are an important part of supporting a green campus, and this must be addressed and needs special attention. Infrastructure arrangements will be useful as a basis for the university's commitment to a green environment through sustainability efforts. Setting up this campus infrastructure is to provide more green spaces, protect the environment, and develop sustainable green energy. The infrastructure regulation category includes six indicators, including the ratio of open space to the total area, campus area covered by forest, campus area covered with planted vegetation, area on campus for water absorption, total open space area divided by the total campus population and budget university for sustainable efforts. Likewise, the transportation system on campus plays an important role in supporting a healthy environment. This is influenced by carbon emissions and high pollution levels on campus if transportation arrangements need to be adequately planned.

This research is related to managing existing infrastructure and transportation at Yogyakarta State University (UNY) in a sustainable manner. The policy and management of infrastructure management at the UNY campus are very important to realize, referring to the six indicators mentioned in the previous paragraph. Transportation policies and regulations are also very important to limit the number of motorized vehicles, the use of mass transportation, in this case, the campus bus, and the use of bicycles will promote a healthier environment. Suitable infrastructure arrangements will also support pedestrian policies for students and staff to walk around campus and avoid using private vehicles. Using environmentally friendly public transportation will reduce the carbon footprint around the campus.

The research method used is descriptive-comparative with sequential mixed methods, which aims to describe what is. The descriptive-comparative method aims to compare data related to existing infrastructure and transportation arrangements within UNY, identify potentials related to these two indicators that can be empowered to improve the quality of the green campus and seek strategies to obtain infrastructure and transportation arrangements. The quantitative approach was used to collect data in the form of numbers. In contrast, the qualitative approach was used to collect data from interview texts, field notes, memos, personal documents, official documents, and the results of focus group discussions (FGD). By combining the two approaches, comprehensive data is expected to be obtained

The output of this research is in the form of recommendations on policies related to the potential for managing infrastructure and transportation at the UNY campus, strategies for managing infrastructure and transportation, and ideal infrastructure and transportation arrangements in accordance with the UI green metric and THE impact rankings. With this research, the data used to support ranking indicators can be available and planned so that in the future, UNY can become a green campus to increase comfort and improve the quality of the learning process.

Kata Kunci: *Infrastructure and transportation arrangements, Environmental Conservation, sustainable, green campus, UI green Metric, THE impact,*