

# **SUSTAINABLE WATER RESOURCES MANAGEMENT TO SUPPORT GREEN CAMPUS IN UNIVERSITAS NEGERI YOGYAKARTA**

**by Nurul Khotimah, Arum Darmawati, Regina Tutik Padmaningrum, M. Irfan Luthfi, Qonaah Rizqi Fajriani, Nugraho Sistu Prabintoro, Agung Yulianto, Afkari Zulaiha Rahmadiani, Muhamad Ervin, Amalia Rahmawati**

## **ABSTRACT**

The role of water at Universitas Negeri Yogyakarta is very vital and strategic to support various academic and non-academic activities, so that its management must be sustainable or environmentally sound. The implementation of water management to ensure sustainability until now continues to be pursued by Universitas Negeri Yogyakarta as a green campus commitment that contributes to the Sustainable Development Goals (SDGs) and UI GreenMetric (UIGM). Therefore, the aims of this study were to: (1) analyze programs and policies for sustainable water resources management in support of a green campus, (2) analyze the implementation of programs and policies for sustainable water resources management in support of a green campus, (3) analyze obstacles in implementing programs and policies for sustainable water resources management in support of the green campus, and (4) analyze programs and policies for sustainable water resources management in supporting SDGs and UIGM rankings. The research method used is descriptive. Data collection techniques were carried out using observation, interviews, laboratory tests, and documentation. The data collected was then analyzed using descriptive analysis techniques which were carried out from the time the data collection took place until the process of confirming the results of the research. The results of the study show that: (1) The policy for sustainable water resources management at UNY is outlined in Rector's Regulation Number 20 of 2017 and strengthened by Rector's Regulation Number 16 of 2021. The program for sustainable water resources management at UNY includes: soil conservation, groundwater reserves, control water pollution, implementing water recycling, and maintaining habitat balance. (2) Programs and policies for sustainable water resources management in support of a green campus have been socialized from the university level to work units and have been followed up with the implementation of programs and policies in every work unit at UNY. (3) There are no significant obstacles to implementing programs and policies for sustainable water resources management in supporting the green campus, but monitoring and evaluation is necessary so that the results obtained are as expected. (4) Programs and policies for sustainable water resources management at UNY strongly support the SDGs and UIGM rankings. The SDGs ranking supports indicator 6, namely ensuring the availability and management of sustainable clean water and sanitation for all, while the UIGM ranking supports the assessment of 4 aspects of water resources management, namely: programs and implementation of water conservation, implementation of water recycling programs, use of efficient equipment water, and consumption of treated water.

*Kata Kunci: management, water resources, sustainability, green campus, Universitas Negeri Yogyakarta*