ABSTRAK

Judul: Analisis Implementasi Kriteria Kawasan Hijau Pada Kampus Berdasarkan Pendekatan Pedoman UI GreenMetric, Nama: Mutiara Maryam Putri Adis Setiawan, NIM: 41122120070, Dosen Pembimbing: Dr. Ir. Albert Eddy Husin. M.T, Tahun 2024

Perubahan iklim telah menjadi ancaman serius berskala global. Kawasan yang tidak ramah lingkungan berkontribusi signifikan terhadap masalah ini. Oleh karena itu, diperlukan infrastruktur ramah lingkungan untuk mendorong pembangunan berkelanjutan. Kesadaran yang meningkat akan pentingnya keberlanjutan lingkungan telah memotivasi banyak institusi pendidikan untuk mengurangi pemanasan global melalui penerapan konsep Green Campus atau Kampus Hijau.

Penelitian ini bertujuan menilai penerapan konsep kawasan hijau di Kampus Universitas Mercu Buana (UMB) dengan menggunakan tolak ukur UI GreenMetric. Penelitian ini mengevaluasi perolehan nilai dan peringkat penerapan konsep UI GreenMetric di Kampus UMB serta memberikan rekomendasi untuk meningkatkan rating penilaian. Metode analisis deskriptif kualitatif melalui pengukuran, wawancara, dan pengamatan digunakan untuk mengidentifikasi penerapan konsep tersebut, dan hasilnya dinilai menggunakan metode deskriptif skoring berdasarkan kriteria UI GreenMetric.

Hasil penilaian menunjukkan bahwa Kampus UMB memperoleh 5.185 poin dari maksimum 10.000, dengan rincian: Setting and Infrastructure 835 poin, Energy and climate change 1.500 poin, Waste 825 poin, Water 250 poin, Transportation 850 poin, dan Education and Research 925 poin. Dengan nilai ini, UMB menempati peringkat ke-72 di Indonesia dan ke-756 di dunia dalam UI GreenMetric Ranking 2023.

Rekomendasi peningkatan mencakup pembangunan greenhouse untuk konservasi flora pangan, pengukuran dan pengolahan limbah, pengelolaan limbah beracun, serta perbaikan program transportasi dan pengurangan area parkir. Jika diterapkan, langkah-langkah ini diperkirakan dapat meningkatkan peringkat kampus UMB menjadi peringkat ke-45 di Indonesia dengan tambahan 1.200 poin dan estimasi biaya sebesar Rp. 405.426.500.

Kata kunci : *Kampus hijau, UI GreenMetric, UMB*
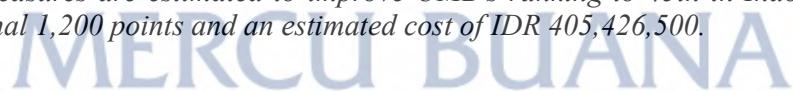
ABSTRACT

Title: Analysis of the Implementation of Green Area Criteria on Campus Based on the UI GreenMetric Guidance Approach, Author: Mutiara Maryam Putri Adis Setiawan, Student ID: 41122120070, Supervisor: Dr Ir. Albert Eddy Husin. M.T, Year 2024

Climate change has become a serious threat on a global scale. Areas that are not environmentally friendly contribute significantly to this problem. Therefore, environmentally friendly infrastructure is required to promote sustainable development. The increasing awareness of the importance of environmental sustainability has motivated many educational institutions to reduce global warming through the implementation of the Green Campus concept.

This study aims to assess the implementation of the green area concept at Campus of Universitas Mercu Buana (UMB) using the UI GreenMetric benchmark. This research evaluates the scores and ratings of the implementation of the UI GreenMetric concept at the UMB Campus and provides recommendations to improve the assessment rating. Qualitative descriptive analysis method through measurements, interviews, and observations were used to identify the application of the concept, and the results were assessed using descriptive skoring *method based on UI GreenMetric criteria.*

The assessment results showed that UMB Campus obtained 5,185 points out of a maximum of 10,000, with details: Setting and Infrastructure 835 points, Energy and climate change 1,500 points, Waste 825 points, Water 250 points, Transportation 850 points, and Education and Research 925 points. With this score, UMB ranks 72nd in Indonesia and 756th in the world according to UI GreenMetric Ranking 2023.

Recommendations for improvement include the construction of a greenhouse for food flora conservation, Waste measurement and treatment, toxic Waste management, as well as improved Transportation programmes and reduced parking areas. If implemented, these measures are estimated to improve UMB's ranking to 45th in Indonesia with an additional 1,200 points and an estimated cost of IDR 405,426,500.

Kata kunci : *Green Campus, UI GreenMetric, UMB*