PENGEMBANGAN SISTEM TRANSPORTASI HIJAU KAMPUS UNIVERSITAS SULTAN AGENG TIRTAYASA SEBAGAI PENDUKUNG MOBILITAS CIVITAS AKADEMIKA

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INTISARI

Lingkungan kampus merupakan tempat beraktivitas civitas akademika, dalam pergerakannya manusia tidak terlepas dengan sistem transportasi dan tidak jarang berdampak buruk bagi lingkungan. Perencanaan penerapan program *Green Campus* di kampus UNTIRTA menjadi solusi untuk mengatasi permasalahan lingkungan dengan mengurangi jumlah kendaraan bermotor sehingga menurunkan polusi yang terbuang ke lingkungan. Penelitian ini bertujuan untuk meninjau sistem tatakelola transportasi dan prasarana di Kampus UNTIRTA. Metode yang digunakan adalah metode survei dan obeservasi lapangan yang mengacu pada UI Greenmetric, berupa pengambilan sampel data volume kendaraan dan penilaian sarana dan prasara di lingkungan kampus.

Menurut UI Greenmetric penggunaan kebijakan pengurangan kendaraan bermotor memiliki 3 fase, yaitu fase pengurangan lahan parkir dan kendaraan <10%; 10%<30%; dan >30%. Berdasarkan identifikasi kondisi di lapangan yang mengacu pada penilaian *UI greenmatric* didapatkan nilai yang berbeda, antara lain di kampus A sebesar 925 poin ; kampus B sebesar 700 poin; kampus C sebesar 800 poin, dan kampus D sebesar 625 poin. Standar nilai maksimum untuk 8 penilaian transportasi tersebut adalah 1800. Berdasarkan hasil penilaian tersebut dibutuhkan perbaikan sarana dan sistem tatakelola transportasi di lingkungan kampus, salah satunya dengan peningkatan sistem *Green Campus* seperti pengurangan lahan parkir dan penggunaan trasnportasi ramah lingkungan di Universitas Sultan Ageng Tirtayasa.

Kata Kunci : kampus hijau, *green transportation*, *UI Greenmatric*,UNTIRTA

THE DEVELOPMENT OF GREEN TRANSPORTATION SYSTEMS ON CAMPUS OF SULTAN AGENG TIRTAYASAUNIVERSITY AS A MOBILITY SUPPORT FOR CIVITAS ACADEMICS

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ABSTRACT

Campus environtment is a place for the academic community to do activities, in their movement humans cannot be separated from the transportation system and have a negative impact for the environment. Green Campus program implementation planning in UNTIRTA can be solution for the environmental problems by reducing the number of motorized vehicles to reduce the pollution that is wasted into the environment. This study aims to review the transportation and infrastructure management system at Sultan Ageng Tirtayasa University. The method used is a survey and fields observation method that refers to UI Greenmetric, in the form of data sampling of vehicle volume and assessment of facillities and infrastructure in the environment of campus.

The use of motor vehicle reduction policies according to UI Greenmetric has 3 phases, namely the phase of reducing parking space and vehicle $<10\%$, 10% - $<30\%$, and $>30\%$. Based on the identification of condition in the fields of referring to the UI Greenmatric assessment, Campus B obtained 700 points, Campus C with 800 points, and Campus D with 625 point with the maximum standart value for the 8 transportation assessment is 1800. Based on the result of the assessment, it is necessary to improve transportation management facilities and system in the campus environment, by improving the Green Campus system such as reducing parking spaces and using environmentally friendly transpotration at Sultan Ageng Tirtayasa University.

Keywords: green campus, green transportation, UI Greenmatric, UNTIRTA