Pemilihan alternatif sistem transportasi kota Kasongan yang berkelanjutan = Alternatives selection for sustainable transportation system in Kasongan city / Evan Buwana

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Abstrak

[ABSTRAK
Sektor transportasi di Kota Kasongan saat ini menyumbangkan 53,33% dari total emisi CO2 yang dihasilkan. Pembangunan infrastruktur jalan yang terus berkembang justru berbanding terbalik dengan pengembangan transportasi sungai. Kondisi ini memperlihatkan strategi pengembangan sistem transportasi yang ada belum berkelanjutan. Penelitian ini bertujuan untuk menganalisis kriteria dan pilihan alternatif yang tepat dan tidak menimbulkan kerugian di masa yang akan datang bagi pengembangan sistem transportasi di Kota Kasongan. Metode analisis yang digunakan pada penelitian ini adalah metode Analytical Hierarchy Process (AHP) berdasarkan persepsi masyarakat, akademisi, dan pemerintah sebagai pemangku kepentingan. Penelitian ini memperlihatkan alternatif yang paling tepat adalah optimalisasi sistem transportasi yang terpadu antara transportasi darat dan sungai dengan tingkat keamanan dan kenyamanan sebagai kriteria yang paling penting. Implementasi alternatif tersebut diwujudkan melalui program pengembangan lokasi transit di Kota Kasongan. Program ini memberikan rasa aman dan nyaman sebagai keuntungan sosial, memberikan aksesibilitas dan mobilitas yang lebih baik sebagai keuntungan ekonomi, dan memberikan keuntungan dari aspek lingkungan karena dapat mereduksi emisi CO2.
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ABSTRACT
Transportation sector in Kasongan City currently contributes about 53.33% of the total CO2 emissions produced per year. Construction of road infrastructure is continues to grow but there is no activities to improve river transportation. This situation shows that transport systems development strategy not linked each other and far from there environmentally friendly and unsustainable. This study aimed to analyze the criteria and choose the appropriate alternatives for the transportation systems development in the Kasongan City. The analytical method used Analytical Hierarchy Process (AHP) based on the community, academia, and government perception. This research shows that the most appropriate alternatives is to optimize the integrated transport systems between land and river transport modes with safety and amenities as the most important criteria. Implementation of the strategy is realized through integrated transit locations program development surrounding pier territories in Kasongan City, because it can increase the use of public transport. This program ensure safety and comfortability as social advantage, providing better accessibility and mobility as economic benefit, and this program could reduce CO2 emission., Transportation sector in Kasongan City currently contributes about 53.33% of the total CO2 emissions produced per year. Construction of road infrastructure is continues to grow but there is no activities to improve river transportation. This situation shows that transport systems development strategy not linked each other and far from there environmentally friendly and unsustainable. This study aimed to analyze the criteria and choose the appropriate alternatives for the transportation systems development in the Kasongan City. The analytical method used Analytical Hierarchy Process (AHP) based on the community, academia, and

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