

Analysis of water sensitive urban design approach in Bougenville Permai, Lippo Cikarang = Analisa water sensitive urban design pada Bougenville Permai Lippo Cikarang

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Abstrak

ABSTRACT

Water Sensitive Urban Design WSUD systems have the potential prevent the hydrologic disturbance and water quality concern associate with storm water runoff due to land change from urban development. WSUD have been strongly recommended to be used and new developments in every city in Australia are regulated. However, Indonesia still developing the rule but not deeply studied the idea and concept of WSUD. The objective of this research is to comparing available system in sustainable city of case study to the concept that is used in Australia. The main idea of why it is applied in Australia is due to most of the land use are impervious area which is increase in runoff peak and develop industrialize region.

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ABSTRAK

Water Sensitive Urban Design WSUD system memiliki potensi mencegah gangguan dan menambah kualitas air dari limpasan air hujan akibat perubahan lahan dari pembangunan perkotaan. WSUD telah disarankan untuk digunakan dalam perkembangan baru di Australia. Indonesia masih mengembangkan aturan tetapi tidak mendalam mempelajari ide dan konsep WSUD. Tujuan dari penelitian ini adalah untuk membandingkan sistem yang tersedia di kota yang berkelanjutan dari studi kasus dengan konsep yang digunakan di Australia. Ide utama mengapa konsep WSUD diterapkan di Australia adalah karena industrialisasi sebagian besar penggunaan lahan hijau berubah dan mengakibatkan puncak limpasan besar.