

KAJIAN PERBANDINGAN MODEL BANDAR PINTAR DI BEBERAPA BANDAR TERPILIH DI MALAYSIA

(Comparative Study of the Smart City Models in Selected Cities in Malaysia)

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ABSTRAK

Perkembangan teknologi dan era globalisasi yang pesat di dunia serta permasalahan perbandaran yang dihadapi menjadi pemacu dan pemangkin dalam pembentukan bandar pintar. Bagi membentuk bandar pintar yang mencapai matlamat dan objektif yang digariskan, pembuat dasar perlu menyediakan rangka kerja atau model bandar pintar yang jelas, objektif dan strategik seterusnya memberi manfaat kepada kerajaan dan rakyat. Pembentukan model bandar pintar di Malaysia dijadikan sebagai perancangan strategik sama ada di peringkat persekutuan atau negeri atau pihak berkuasa tempatan yang menjadi panduan pelaksanaan kepada semua pihak berkepentingan. Kajian ini merupakan suatu tinjauan awal berhubung pembentukan model bandar pintar di Malaysia berdasarkan kepada penyediaan rangka kerja yang telah disediakan oleh kerajaan persekutuan dan negeri. Tujuan kajian ini dijalankan adalah untuk mengenal pasti persamaan dan perbezaan model, domain dan matlamat dalam pembentukan bandar pintar di Malaysia berbanding model bandar pintar global. Kajian ini menggunakan kaedah kualitatif kepada rangka kerja dan bahan kepustakaan yang berkaitan dengan bandar pintar di peringkat global dan Malaysia. Melalui analisis yang dijalankan didapati model pembentukan bandar pintar yang dibangunkan di peringkat persekutuan, negeri dan pihak tempatan di Malaysia adalah seiring dengan model bandar pintar global yang telah terbukti kejayaannya dalam membentuk bandar pintar dunia. Penunjuk prestasi dan matlamat yang seiring di peringkat global menjamin pembentukan bandar pintar yang mampan di Malaysia.

Kata kunci: bandar pintar; perancangan strategik; kemampuan bandar; Malaysia

ABSTRACT

The rapid development of technology and globalization in the world as well as the problems faced by the municipal become a drivers and catalysts in the formation of smart cities. To forming the smart city that achieves the outlined goals and objectives, policy makers need to provide a clear, objective and strategic framework that can produce a positive outcome to the government and the citizen. The formation of a smart city model in Malaysia is used as a strategic planning either at the federal or state governments that serves as a guide for implementation to all the stakeholders. This study is an initial study regarding the formation of a smart city model in Malaysia based on the framework that has been provided by the federal, state governments and local authority. This study aims to identify the similarities and differences of the models, domains and goals of smart cities model in Malaysia with the global smart city model. The qualitative methods to the framework and literature review related to smart cities globally and Malaysia initiatives has been used in this study. Through the analysis, it was found that the smart city model developed at the federal, state level and local authority in Malaysia is in line with the global smart city model which has proven successful in forming the world's smart cities. Globally ranked performance indicators and goals will be granting the formation of a sustainable smart city in Malaysia.

Keywords: smart city; strategic planning; urban sustainability; Malaysia

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