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A CRITICAL REVIEW OF URBAN HEAT ISLAND PHENOMENON IN THE CONTEXT OF GREATER KUALA LUMPUR, MALAYSIA

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Highlights

- *The rigorous attention should be drawn to systematic site characterization and timely data to elucidate the current UHI magnitude which is mainly triggered by the land use changes in this region.*
- *Local UHI studies furthermore, could significantly benefit from utilization of advanced modelling and simulation technologies as a basis for a more informed decision-making as GKL moves towards achieving a world class metropolis that simultaneously achieves a top 20 ranking in both urban economic growth and liveability by 2020 (Greater Kuala Lumpur Initiative under the National Key Economic Area-NKEA).*
- *The incorporation of UHI phenomena in local policies is essential to mitigate its deleterious impacts via more climate-friendly practices by various stakeholders.*

ABSTRACT

Urban Heat Island (UHI) phenomenon has become a regional issue for Greater Kuala Lumpur (GKL) as a number of studies reported an elevated air temperature in highly dense urban areas compared to the rural peripheries. An initial literature survey of UHI studies in GKL revealed an insufficiency and paucity of field

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