

Perbandingan penerapan variabel desain near zero energy house (NZEH) di Indonesia dengan negara di Asia Tenggara = Comparison on implementation of near zero energy house (NZEH) design variable in Indonesia with other countries in south East Asia region

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Abstrak

Skripsi ini membahas mengenai identifikasi penerapan variabel desain near Zero Energy House nZEH di daerah Asia Tenggara yang beriklim tropis dan membandingkan implementasi penerapan variabel desain nZEH di Indonesia dan negara di Asia Tenggara. Penelitian ini menggunakan metode penelitian kualitatif. Hasil penelitian menyebutkan bahwa variabel yang dapat digunakan untuk daerah beriklim tropis adalah spesifikasi konstruksi, penggunaan teknologi pembangkit energi terbarukan, desain pasif, fenestrasi, sistem ventilasi, pencahayaan, dan advanced control. Terdapat perbedaan penerapan variabel nZEH di Indonesia dengan negara di Asia Tenggara, dimana perubahan ini terdapat pada penerapan variabel spesifikasi konstruksi, penggunaan teknologi pembangkit energi, desain pasif, sistem ventilasi, dan advanced control.This undergraduate thesis discuss about the implementation of near zero energy house nZEH design variable in the tropical climate of South East Asia, and comparing the implementation of nZEH design variable in Indonesia with other Countries in South East Asia. This research use qualitative research method. The results of the study shows variable that can be applied in tropical climate is Construction specification, Renewable Energy Technology, Passive Design, Fenestration, Ventilation System, Lighting, and Advanced System Control. There are some differences on the implementation of nZEH variables in Indonesia with countries in South East Asia Region, the difference of these variables can be found on the implementation of Construction Specification, Renewable Energy Technology, Passive Design, Ventilation system and Advanced control.