

Residents' satisfaction with the indoor environmental quality of re-engineered affordable housing schemes in Malaysia

Syahrul Nizam Kamaruzzaman, author

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Abstrak

Malaysia is currently focusing on providing affordable housing all over the country as part of the plan to tackle the problem of rising costs of house ownership due to several reasons such as economic crisis and land limitations. However, there is a limited number of methodical study made on the residents' feedback towards the indoor environment of an affordable housing. Indoor environmental quality (IEQ) is an important aspect of occupants' wellbeing as it will affect their health and productivity. Thus, it is a paramount step in evaluating the residents' feedback towards IEQ to serve as an indicator of building performance and condition. Additionally, the health and productivity of the residents should be evaluated in order to identify the effect of IEQ towards the occupants. The questionnaire survey is used in order to achieve the objectives and to gain the access to the respondents' views and feedbacks. The pilot questionnaire study was conducted at two apartments in Kuala Lumpur, Malaysia and the data collected were evaluated and analyzed using the SPSS Software. The outcome of this pilot study is significant as it shows the residents dissatisfaction level towards IEQ factors such as noise, glare, and privacy, and the aspects of IEQ that are important such as ventilation. Additionally, it has been found that the IEQ of the residents does affect the health and productivity of the occupants. It is anticipated that the outcome of this study will serve as an indicator of building performance improvements to achieve a better quality of the indoor environment for affordable housing in Malaysia.