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THE STUDY OF GREEN BUILDING APPLICATION AWARENESS

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Graphical abstract

Abstract

The Green Building, or known as Environmentally Friendly Building is not only closely examined in terms of its design, but also the capacity of the building and its surrounding in reducing the impact to the environment, saving energy, water, safeguarding the internal air quality, and further mitigating the number of health problems to the inhabitants. The study involves 80 respondents, whereby 20 respondents are developers/contractors; 20 respondents are consultants; 20 respondents from the Local Authority and 20 respondents are academicians in the northern part of the Peninsula. Through the technique of *principal axis factoring*, 10 items had successfully been placed in the screening analysis. Two components that had been formed are namely i) main issue and ii) government's effort. It is anticipated that the key players (the developers, consultants, contractors, and academicians) understood and realised the importance of the environment and what is going around them in the world today.

Keywords: Green building, environmental, technology awareness, construction

Abstrak

Bangunan Hijau juga dikenali sebagai Bangunan Mesra Alam bukan sahaja diteliti dari sudut reka bentuknya malahan keupayaan bangunan dan sekitarnya mengurangkan impak kepada alam sekitar, menjimatkan tenaga, air, memelihara kualiti udara dalaman yang seterusnya mengurangkan masalah kesihatan kepada penghuni. Kajian melibatkan seramai 80 responden, iaitu 20 respondennya adalah pemaju/kontraktor, 20 responden perunding, 20 responden Pihak Berkuasa Tempatan (PBT) dan 20 responden ahli akademik di kawasan utara semenanjung. Menerusi teknik *principal axis factoring* sejumlah 10 item telah berjaya melalui saringan analisis. Dua komponen yang telah terbentuk ini dinamakan sebagai i) isu utama dan ii) usaha kerajaan. Adalah dijangkakan peneraju utama (pemaju, perunding, kontraktor dan ahli akademik) memahami dan juga sedar akan peri pentingnya alam sekeliling dan juga mereka faham apa yang berlaku di dunia masa kini.

Kata kunci: Bangunan hijau, persekitaran, kesedaran teknologi, pembinaan

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1.0 INTRODUCTION

The structure of property buildings are said to be the reason behind the declining quality of air, as it contributes to the global green house effects. It is estimated that 35% of the carbon dioxide gas released came from buildings, whereas the remaining originates from sulphur dioxide (49%), nitrus oxide (25%), and 10% from the dust brought about by human activities [16]. This is strengthened by Riley