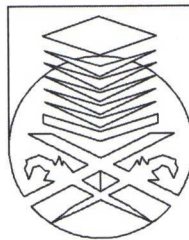


**DESIGN LOW CARBON CAMPUS LANDSCAPES
AT PREMIER POLYTECHNIC SULTAN SALAHUDDIN
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Abstract

Campus physical development plan is an effective tool to shaping campuses life, especially among students to promote a sustainable living community. Aim of this research is to enhancing the quality of campus outdoor environment by applying low carbon @ green landscapes and sustainable development. Premier Polytechnic Sultan Salahuddin Abdul Aziz Shah (PSA) was selected because of respond to the government planning to make a green campus for polytechnic to increase the capacity of TVET and Education for Sustainable Development (ESD) in the Commonwealth countries. As stakeholders in TVET, polytechnic institutions that are directly involved in supporting and implementing initiatives that TVET-ESD also in line with the aspirations of the country. The approach taken for its implementation is to make students as a key technology and green practices at polytechnic. Green program run will start with initiatives without cost, easy, can involve many participants and its impact can be calculated and reported in terms of financial savings and carbon footprint reduction. With the design approaches and strategies that can solved the issues and problems to achieve a better environment towards green and sustainable campus.

Keywords : Green Campus, Low Carbon, Sustainable Campus

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Campus act as a institution for creative thinking for students and tangible effects of social and cultural vitality. Higher education institutions in Malaysia has improved towards sustainable campus (Dola et al., 2011). Many universities and colleges are in the various stages of integrating sustainable components in the campus planning and management. Polytechnic is one of the higher education institutions in Malaysia which set the target for sustainability in their human capital as well as the environment (Polytechnics Transformation Plan, 2010). However, carbon emissions is the most crucial issue that contributed by global warming and climate change (EIA, 2006). The Prime Minister of Malaysia has mentioned in Copenhagen, Denmark that 'Malaysia has committed to reduce the carbon dioxide intensity to the GDP by 40% GDP per capita by 2020 as compared to 2005 levels; conditional upon transfer of technology and finance for developing nations (COP15, 2009). According to Blueprint PolyGreen Politeknik Malaysia, parallel to movement of time and Government policy Jabatan Pengajian Politeknik wishes to exercise green initiative in system education in polytechnics. It will change system polytechnic management through field convergence to identified can produce a work force which practiced green initiative, and consequently contribute toward Malaysian aspiration achievement developed that sustainable.