MANAGING BUILDING CHECKLIST PLANS USING BUSCLIS

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ABSTRACT

This paper presents the software namely Building Submission Checklist System (BUSCLIS). It has been developed to manage the submission of building checklist plans process in the construction industry. BUSCLIS helps to simplify the management for acquiescence data of building plan approval for the Local Authority (LA) and Country Planning in Malaysia through the web based system. BUSCLIS facilitates user through the computerization forms, which provides fast, efficient and effective service to the engineer, architect and contractor. Relevant and timely information manage by sophisticated BUSCLIS with the database management system MySQL.

Keywords: BUSCLIS, RAD, building plan, ICT, construction industry.

INTRODUCTION

Currently, construction companies needs Information and Communications Technology (ICT) to boost their capability in dealing with their business. However, to set up an information database for the construction industry would require a vast amount of resources especially in the ICT industries. In spite of the potential of Enterprise Resource Planning systems to increase productivity and internal ICT efficiency, construction companies hesitate to adopt these ICT solutions (Daniel 1998). Most of the activities in construction industry still use the conventional system. With the sight that construction is a business such others and clients now expect quality product, this view should begin to transform. Advance in ICT are causing dramatic changes in construction and build environment. Through ICT, thus it may help construction industry includes facilitate integration of various processes in the construction, standardization of information and faster the flow of information in industry.

In Malaysia, ICT applications turn into wisely due to the rapid developments of computer technologies and have variation the way of working environment. To support in the process, the utilization of ICT and automated software can provide efficiency and effective solutions to the problems of mass data and information handling (Daniel & Moody, 1998; Thosmas & Connoly, 2014). Database management system helps organization to manage or structure their data in a logical way (Noraziah, Nawsher, Ahmed, & Abul, 2010). A computer can maintain accurate and consistent database, hence resulting is a better performance (Niemiec, 2007). One of the changes that have to make in construction industry is building plan approval checklist. Before the advent of system, organization kept all their data in manual or traditional files. Basically, the manual system workflow has many problems and very ineffective. The submission process of building plan endorsement in manual has required the usage of many forms and consumes time. Thus, it is error prone in approval the form.