DEPARTMENT OF QUANTITY SURVEYING FACULTY
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APPLICATION MYCESMM2 IN PREPARING BILL OF QUANTITIES FOR CIVIL ENGINEERING WORKS

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ABSTRACT

Bill of quantities is a document that provides a uniform basis for the measurement of constructions work which is building works and civil engineering works, with the aim of ensuring that the quantity bills (BQ) produced fully describe and accurately represent the quantity and quality of the works to be carried out. As a quantity surveyor, MyCESMM2 is the uniform basis to measuring the civil engineering works item and embodies the essentials of good practice to do the BQ by using the specification provided. In addition, to order to make a good bill of quantities, the rules and requirements set out in the MyCESMM2 must be followed. The purpose of this study is to determine the application of MyCESMM2 in preparing the bill of quantities for civil engineering works and to identify the factors that influenced the application of MyCESMM2 in preparing the bill of quantities (BQ) for civil engineering works. Document observation and the semi structured interview methods were used to represent the data into the best results of the study. Five (5) respondent were involved in this data collection from each quantity surveying consultants firm in Federal Territory Kuala Lumpur and five (5) respondent were involved in the semi structured interviews. The results indicate that the application of MyCESMM2 determine the most of the quantity surveying firms do not apply the MyCESMM2 in preparing the BQ for civil engineering works. The results on the factor that influenced the application of MyCESMM2 in preparing BQ for civil engineering works is depends on project whether government project or private project, experience on preparing BQ for civil engineering works by the quantity surveyor, lack of exposure on how to used and information about MyCESMM2 and it not fully cover for all item in the classes of MyCESMM2.

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INTRODUCTION

1.1 BACKGROUND OF STUDY

According to RICS, the Standard Method of Measurement (SMM) is a document that provides a uniform basis for the measurement of construction works and civil engineering works, with the aim of ensuring that the quantity bills (BQ) produced fully describe and accurately represent the quantity and quality of the works to be carried out. As a quantity surveyor, SMM2 is the standard basis for the measurement of the building work element and represents the fundamentals of good practice for the BQ using the specification given. A comprehensive review of the function of the SMM indicates that the measurement rules drafted in the SMMs are used for the purpose of producing a good standard procurement document (BQ) by obtaining a tender price for the project and producing cost estimates or cost plans (Rosniza *et al.*, 2018).

MyCESMM2 is intended to be a national document that sets out the rules for the measurement, specification and definition of civil engineering works for use as a basis for the preparation of the Bill of Quantities in Malaysia. As a quantity surveyor, MyCESMM2 is the uniform basis to measuring the civil engineering works item and embodies the essentials of good practice to do the BQ by using the specification provided.

In addition, to order to make a good bill of quantities, the rules and requirements set out in the MyCESMM2 must be followed. The standardized bill of quantities by using MyCESMM2 as a references will turn into a BQ that form part of the procurement or contract document.