

QUANTITY SURVEYING DEPARTMENT DEPARTMENT OF BUILT ENVIRONMENT STUDIES AND TECHNOLOGY FACULTY OF ARCHITECTURE, PLANNING & SURVEYING UNIVERSITI TEKNOLOGI MARA (UITM) PERAK

STRATEGY IN IMPROVING BUILDING INFORMATION MODELLING SKILLS AMONG QUANTITY SURVEYOR FRESH GRADUATE

ADAM DANIAL BIN SHERIDAN

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DECLARATION

"I declare that this di	issertation is the	result of my	own research	and that a	Il sources
	are acknowled	dged in the r	eferences"		

Student's signature	1	
Student's name	: ADAM DANIAL	BIN SHERIDAN
Date	. 4th JANUARY 2	2024

ABSTRACT

The construction sector in Malaysia is essential to the country's economic growth. In order to realise the goal of becoming an industrialised country, innovations and new technology must be embraced in the industry field for Malaysia to rapidly participate in the fourth industrial revolution (4.0). A method that is aided by a variety of technologies is building information modelling (BIM), which is essential for improving construction projects and making work easier for industry participants. Among the construction teams using the software to improve their cost planning and estimate skills will be quantity surveyors. Nevertheless, a number of obstacles and difficulties keep them from fully implementing the innovation. Moreover, there are still many quantity surveyor fresh graduate out there that indicate the lowest application of the software in their firms, which brings about this research. The aim of this research is to determine the best practice guideline in improving BIM skills among quantity surveyor fresh graduate. The objectives for this research are, to identify the level of understanding of BIM among quantity surveyor fresh graduate, to determine the importance of BIM skills among quantity surveyor fresh graduate and to suggest the strategic solutions in improving BIM skills among quantity surveyor fresh graduate. To achieve these objectives, data obtained from questionnaire surveys will be analysed using Statistical Package for Social Science (SPSS) software Version 25. The outcome gained from the distribution of the questionnaire indicates the top three solutions recommended to organising classes, organisations can successfully promote BIM, BIM-related professional certifications, and BIM training workshops for fresh graduates. Furthermore, from the analysis of the data, the benefits of the software to be used in the companies and the status of the BIM implementation level of the quantity surveyor's fresh graduate or their company were identified.

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