UNIVERSITI TEKNOLOGI MARA

GIS Application In Tracking Graduates Labor Market

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Thesis submitted in fulfilment of requirements for the degree of Bachelor of Surveying Science and Geomatics (Hons)

Faculty of Architecture, Planning and Surveying

AUTHOR'S DECLARATION

I declare that the work in this thesis/dissertation was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the results of my own work, unless otherwise indicated or acknowledged as referenced work. This thesis has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Post Graduate, Universiti Teknologi MARA, regulating the conduct of my study and research.

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ABSTRACT

This studies is essential in order to acquire more information from the graduate student to trace the achievement after graduations. However, the problem statement for this thesis are there is no study was been made regarding tracking graduate labor market and the need to trace the student employability. The aim of this study is to establish a tracing map of the Alumni to identify the validity of education for the conversion to work and further profession after graduation. In order to accomplish this aim, the objective of this thesis is to develop skillsbased learning at the university by gathering the relevant information needed in tracing graduates, to produced map for tracing spatial pattern of graduates' employability status and lastly, to determine a suitable index for graduates, employability in geomatic field. The software used for this thesis are Google Form, Microsoft Office (excel), Statistical Package for the Social Sciences (SPSS) and ArcGIS. The study area was at Universiti Teknologi MARA (UiTM) Arau which is for Surveying Science and Geomatics graduated students of bachelor (AP220) program. To complete this thesis is starting from preparing the questionnaires by using Google Form to collect the survey data, and making result analyzing by using SPSS and finishing the result on career development into ArcGIS. The result shows about the effectiveness of the study program and student's career path and produced a map that showing the distribution of graduates employability status in Malaysia.

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