



UNIVERSITI TEKNOLOGI MARA

**STUDENT DISSERTATION
MANAGEMENT SYSTEM**

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Dissertation submitted in fulfillment of
requirements for the degree of
Bachelor of Surveying Science and Geomatics (Hons)

Faculty of Architecture, Planning, and Surveying

FEB 2021

AUTHOR'S DECLARATION

I declare that the work in this 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 dissertation 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

Student dissertation database system is the database for record graduate students' dissertations or research and guideline for final year project (FYP) student PPSUG to guide their research and dissertation. However, unclear standard operation procedures and no system were available to record the previous student's dissertation unavailable in the department, which caused the duplication of projects among students. Therefore, the objective of this study is to i)to investigate the student perception of current implementation on dissertation procedure, ii) to improve the guideline of PPSUG dissertation, iii) to develop a database system on dissertation record and GIS metadata searching. The manual guideline provides student PPSUG with the essential information about preparing, presenting, and submitting a dissertation in a format acceptable for graduate university. The questionnaire was distributed to PPSUG students of semester 5, 6, 7, 8, and alumni and to gain their feedback on FYP implementation. The database was designed using oracle Sqlite3 and Python. The database system is intended to store student dissertations and the metadata of the research dataset. The manual guideline is also provided to students with the essential information about preparing, presenting, and submitting a dissertation in a format acceptable for graduate university. This study can help students find the information for a research project such as title project, finding supervisor, article and can provide the ideas and knowledge that can be used in their research project.

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