

UNIVERSITI TEKNOLOGI MARA

**DEGREE OF CLOSENESS ANALYSIS
OF ORTHOPHOTO OBTAINED
FROM UAV PHOTO WITH NDCDB
IN NAKA, KEDAH**

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Disertation submitted in fulfillment
of the requirements for the degree of

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(Hons)**

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AUTHOR'S DECLARATION

I declare that the work in this disertation 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

The development of unmanned aerial vehicles (UAVs) in many areas of public applications, including real-time monitoring, provides wireless protection, remote sensing, search and rescue, freight forwarding, security and surveillance, precision agriculture, and public infrastructure inspections. To provide new opportunities in different applications, Smart UAVs are the next big revolution in promising UAV technology, to reduce risks and lower costs especially in the public infrastructure. It is also proven to be a very flexible tool used for many types of complex areas with many different features. The type of UAV is DJI. The study area for this research will be at Naka Kedah. The research aims to investigate the work of a cadastral survey to marking the boundary mark of using UAV in Naka, Kedah. This study is about the use of data UAV to compare the data in cadastral to analysis the accuracy of the boundary mark. There have five phases of methodology in this study such as planning, data collection, data processing, data analysis, and result. The software in this study that uses Agisoft to process the data of UAV and software of flight planning is pix 4D. In this study, five ground control point (GCP) configurations are the best configurations among the others.

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