

UNIVERSITI TEKNOLOGI MARA

ANALYSIS ON COMMENCEMENT

FOR MARINE CADASTRE AND ENDING

OF THE LAND CADASTRE IN

PERLIS USING GIS APPLICATION

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of the requirements for the degree of
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AUTHOR'S DECLARATION

I declare that the work in this thesis 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 Undergraduate, Universiti Teknologi MARA, regulating the conduct of my study and research.

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ABSTRACT

Marine cadastre is a system to enable the boundaries of maritime rights and interests to be recorded, spatially managed and physically defined in relationship to the boundaries of other neighbouring or underlying rights and interests. In addition, the shoreline settlement in Malaysia receiving a prompt improvement for an active economic generator and a fresh structure if marine administration has been produced for public benefits. Plus, in Marine Cadastre and Hydrology highlight that the essential of tidal datum. It is also the basis for beginning confidentially owned land and a standard height demarcation by a certain phase of the tide. State owned land, territorial sea, exclusive economic zone, and high seas boundaries. However, the final product for this study is to obtain the verification from the Jabatan Ukur dan Pemetaan Malaysia (JUPEM) in identifying the commencement of marine and ending of land cadastre. To reach the aim and the objectives, this study are need to: (i) determining the separation point of land to marine cadastral in Kuala Perlis by applying of GIS. (ii) Redefine the cadastral application of land ownership at the maritime. (iii) Defines the point of highest and lowest watermark referring to the demonstration of remote sensing image. The study area is at Kuala Sanglang. Two variables such as likelihood and severity data will be used. To accomplish the objective, this software; ArcGIS and ERDAS are used to process digital data. This study able to give benefit to the local administrator and others governments' agencies to make finalize the delineation between land and marine in Perlis.

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