

UNIVERSITI TEKNOLOGI MARA

**PREDICTION OF SEA LEVEL RISE
(SLR) RATE AND ITS' IMPACT ON
COASTAL REGION IN PERLIS**

SITI NURNATASYA BINTI SAIDIN

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


Faculty of Architecture, Planning & Surveying

July 2018

AUTHOR'S DECLARATION


I declare that the work on this project/dissertation was carried out in accordance with the regulations of Universiti Teknologi MARA. The project/dissertation is original and it is the result of my own work, unless otherwise indicated or acknowledged as referenced work.

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Name of Student : Siti Nurnatasya Binti Saidin
Student's ID No : 2015831636
Project/Dissertation Title : Prediction of Sea Level Rise (SLR) Rate and its'
Impact on Coastal Region in Perlis
Signature and Date :  25/08/2018

Approved by:

I certify that I have examined the student's work and found that they are in accordance with the rules and regulation of Department and University and fulfils the requirement for the award of degree of Bachelor of Surveying Science and Geomatics (Honour's)

Name of Supervisor : Ikhwan Bin Mohamed
Signature and Date :  25/8/2018

ABSTRACT

The increment of sea level is increasing from time to time as can be proved by many studies from both local and global studies. This may be caused that the sea level rise will bring a huge impact on the land. For example, low-lying areas could have the potential to sink completely if the sea level rise continues. This statement can be proved through many previous studies done. Therefore, the prediction of rising sea level needs to be done accurately. This is important as a benchmark on possible dangers. The application of many geospatial technique in sea level rise rate and prediction enhance the ability of survey field. In this study, altimeter data used to carry out the prediction of sea level rise. The usage of altimeter data quite unfamiliar in our country although so many application can be done using it. With the prediction of sea level rise, the authorities can plan efforts that can be taken to overcome the possible dangers. Using the map, areas exposed to the risk of sea level rise can be further illustrated.

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