AREA ESTIMATION OF PENINSULAR MALAYSIA BY NUMERICAL METHODS

SITI NURULJANNAH BINTI MOHAMED ZEINNUDIN
NURUL KAMALIAH BINTI OMAR

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DECLARATION BY CANDIDATE

We certify that this report and the project to which it refers is the product of our own work and that any idea or quotation from the work of other people, published or otherwise are fully acknowledge in accordance with the standard referring practices of the disciplines

SITI NURULJANNAH BINTI MOHAMED ZEINNUDIN
2016289518
11 JULY 2019

NURUL KAMALIAH BINTI OMAR
2016284348
11 JULY 2019

ABSTRACT

In Mathematics, area is defined as the measurement of how much space is taken up on a 2D surface and is expressed in square units. In area calculation, it is divided into two which are the area of regular and irregular shapes. Regular shapes have their own formulas which made it very easy to get the exact value of area accurately. Irregular shapes can be calculated using integration given when the function is known. However, when the function is not given, numerical methods can be applied. Some of the numerical methods that can be used are Trapezoidal, Simpson's 1/3, Simpson 3/8, Boole's, Weddle's, Durand's and Hardy's Rule. These methods are quite simple but they possess some error to be compared with the exact value.

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