

## Pengenalan citra satelit sentinel 2 untuk pemetaan kelautan

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### Abstrak

#### **ABSTRACT**

Sentinel 2 is a satellite launched by a collaboration between The European Commission and the European Space Agency in the Global Monitoring for Environment and Security program. The satellite has a mission to scan the Earth surface simultaneously at an angle of 180 each satellite with a 5 day temporal resolution with the same appearance on the equator and has a spatial resolution of 10m, 20m, and 60m. There are multispectral channels including VNIR and SWIR. Four channels with 10 m spatial resolution adapt with SPOT4 or 5 and user comply requirements for land cover classification. Six channels with 10 m spatial resolution becomes a requirement for other Level 2 processing parameters. Channels with 60m spatial resolution are specified for atmospheric correction and cloud filtering. Based on these specifications, Sentinel 2 can be an alternative for users to obtain image data with spatial, temporal, radiometric, and spectral resolution is better than SPO and Landsat. Sentinental 2 can be downloaded for free and easy by the general public. The existence of image by Sentinel 2 is expected to be used optimally, especially for remote sensing analysis in marine field.