

Fungsi sub-sistem penginderaan jauh satelit mikro penginderaan jauh

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Abstrak

As an extensive archipelago state with an wide-ranging diversity of natural resources and environmen, as well as the dynamic character of its people. It is evident that Indonesia requires space applications to accelerate development process for the people's prosperity. One of the most significant application of space is earth observation by means of remote sensing satellites. The progress on electronics, solid state telecommunications and data processing technology have provided the opportunity on the technology development and production of remote sensing micro satellites that are simple, low-cost and effective. An analysis on the function of various sub-systems for remote sensing micro satellites is performed, related to the integrated functioon of the satellite in support of the remote sensing sensor payload data acquisition in orbit. Other important function of various satellite sub-systems is to maintain satellite health and safety of satellite operation in orbit as long as the intended satellite lifetime. The presentation is expected to provide a general description on the function of remote sensing satellite sub-systems.