

Kajian beberapa sistem penginderaan jauh satelit mikro dan satelit kecil serta aplikasi data

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20437043&lokasi=lokal>

Abstrak

Some micro satellite and small satellite remote sensing systems which are operating and being operated in the national / regional / global region was studied based on the current literatures or informations. The study results can be used as considerations tool in the development of the micro satellite LAPAN-TUBSAT for the next generations. The study results among others are the satellites and their imager sensors technical capability., the image data characteristis and also data applications of : 1. the micro satellite LAPAN-TUBSAT, 2. the micro satellite DLR TUBSAT, 3. the small satellite SUNSAT XE, 4. the constellation of small satellites FUEGO, 5. the constellation of small satellites GOAL and Go, and 6. the small satellite DIAMANT. Another result showed that the use of constellation of a number small or micro satellites on LEO orbit are necessary especially for disaster detection and monitoring and disaster relief assistance or another applications which need high temporal resolution or real time remote sensing data. There are 4 micro or small satellite remote sensing systems obtained in this study which can be considered to be used to develop the micro satellite LAPAN TUBSAT for the next generations, ie the small satellite SUNSAT XE or the constellation of small satellites SUNSAT XE, 2. FUEGO : a dedicated constellation of small satellites to detect and monitoring forest fires, 3.the constellation of small satellites GOAL and GO for disaster monitoring and disaster relief assistance, 4. the small satellite DIAMANT or the constellation of small satellites DIAMANT, which all described in this paper.