

Respon Tanggap Darurat
Bencana Berbasis Data Satelit
Space-based Disaster Emergency Response

BANJIR

Provinsi Aceh, Indonesia

B4

Flood

Aceh Province, Indonesia



5 10 km

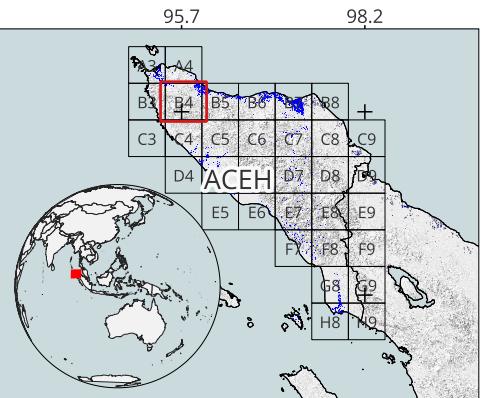
1:200,000
 Map scale for A3
 CRS: WGS84 (EPSG:4326)

Legenda:

	Batas kabupaten	District border
	Danau	Lake
	Estimasi area terdampak banjir	Estimated flooded area

Sumber Data:
 Data source:

1. Batas administrasi dari Badan Informasi Geospasial
Administrative boundary courtesy of Geospatial Information Agency (BIG)
2. Sentinel-1 level GRD Polarisi VV dan Copernicus DEM
Sentinel-1 SAR GRD data (VV polarization) and Copernicus DEM Courtesy of the European Space Agency (ESA)



Deskripsi:
 Estimasi genangan banjir dilakukan dengan menganalisis perubahan nilai backscatter (ΔdB) pada citra SAR Sentinel-1 sebelum (15 November 2025) dan sesudah kejadian (27 November 2025). Penurunan backscatter yang melampaui ambang batas yang ditetapkan, diidentifikasi sebagai genangan banjir. Hasil estimasi masih memerlukan validasi lapangan

Description:
 Flood inundation was estimated by analyzing changes in backscatter (ΔdB) in Sentinel-1 SAR imagery acquired before (15 November 2025) and after the event (27 November 2025). A decrease in backscatter exceeding the predefined threshold was classified as flooded area. Estimated flood still needed to be verified further

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