

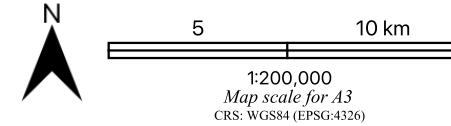
Respon Tanggap Darurat
Bencana Berbasis Data Satelit
Space-based Disaster Emergency Response

BANJIR

Provinsi Aceh, Indonesia

C4

Flood
Aceh Province, Indonesia

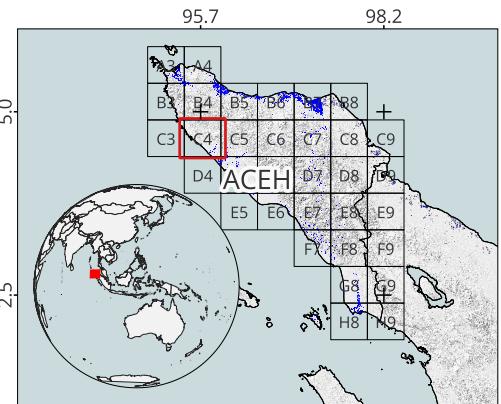


Legenda:

	Batas kabupaten District border		Jaringan jalan primer Primary road
	Danau Lake		Jaringan jalan Road
	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 Polarasi 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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