

97.53

97.73

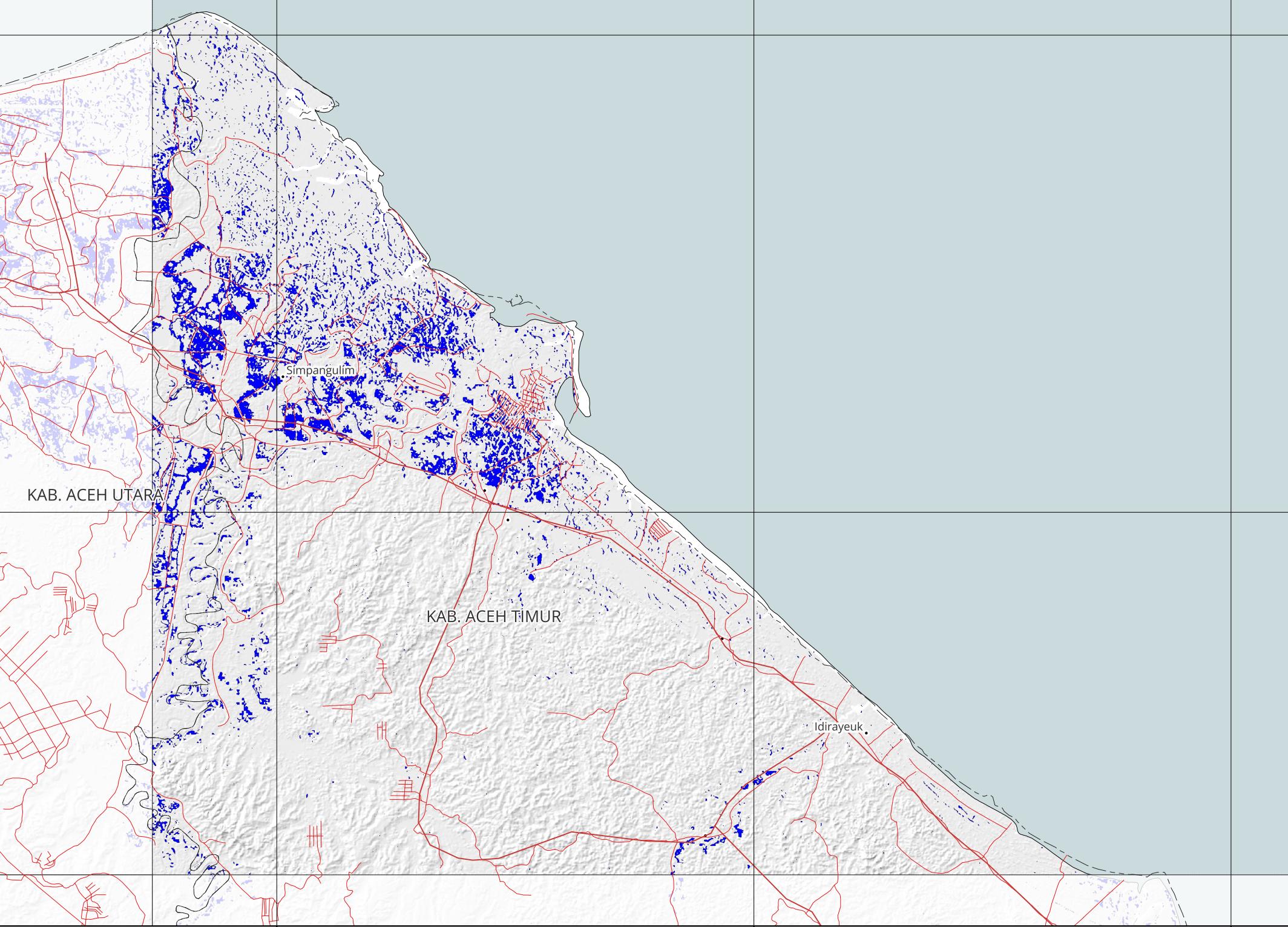
97.93

5.24

5.04

5.24

5.04



## Respon Tanggap Darurat Bencana Berbasis Data Satelit

Space-based Disaster Emergency Response

**BANJIR**

Provinsi Aceh, Indonesia

**B8****Flood**

Aceh Province, Indonesia

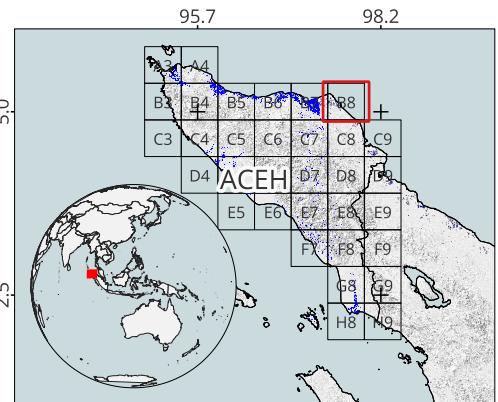


5 10 km

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

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 Polarisi VV dan Copernicus DEM  
dari European Space Agency (ESA)  
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 ( $\Delta dB$ ) 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 ( $\Delta dB$ ) 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

Information Produced by:  
Indonesia Regional Support Office, UN-SPIDER, INASA, BRIN  
<https://bit.ly/Indonesia-RSO-BRIN>

Supported by:  
- Center for Data and Information, BRIN  
- Research Center for Geoinformatics, BRIN  
Contact: Yenni Vetrina Ph.D (yenn004@brin.go.id)



QR\_Aceh\_20251129\_B8\_R2