

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

BANJIR

Lima Puluh Kota
Provinsi Sumatera Barat, Indonesia

Flood
Lima Puluh Kota
West Sumatra Province, Indonesia

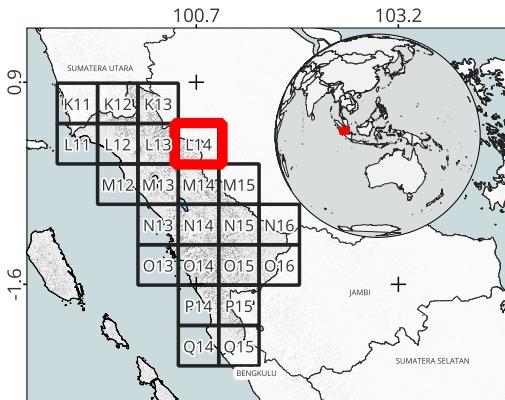


Legenda:

District border	Jaringan jalan primer
Lake	Jaringan jalan
Estimated flooded area	Road

Sumber Data:
Data source:

- Batas administrasi dari Badan Informasi Geospasial
Administrative boundary courtesy of Geospatial Information Agency (BIG)
- Jaringan jalan dan nama tempat dari Open Street Map
Road networks and nameplace courtesy of the Open Street Map (OSM)



Deskripsi:
Estimasi genangan banjir dilakukan dengan menganalisis perubahan nilai backscatter (Δ b) pada citra SAR Sentinel-1 sebelum (15 & 23 November 2025) dan sesudah kejadian (29 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 (Δ b) in Sentinel-1 SAR imagery acquired before (15th & 23rd November 2025) and after the event (29th 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)

