

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

BANJIR

**Pasaman Barat
Provinsi Sumatera Barat, Indonesia**

L11

Flood
*Pasaman Barat
West Sumatra Province, Indonesia*



5 km

1:200,000

Map scale for A3

CRS: WGS84 (EPSG:4326)

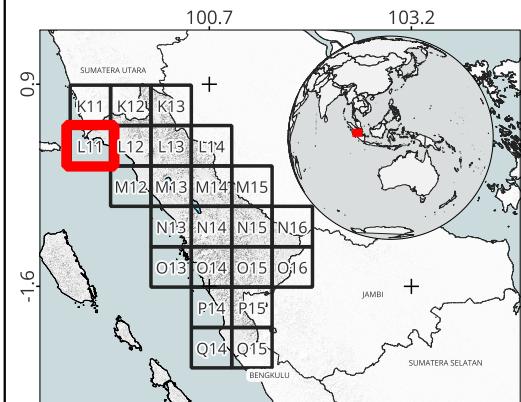
Legenda:

	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. 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 dB) 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 dB) 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)



BRIN

BAGIAN
DAN INOVASI NASIONAL

99.13

99.33

0.24

0.24

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33

0.04

0.04

99.13

99.33

0.24

0.24

99.13

99.33