

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

**BANJIR**

**O16**

**Dharmasraya,Solok Selatan**  
**Provinsi Sumatera Barat, Indonesia**

**Flood**  
*Dharmasraya, Solok Selatan*  
*West Sumatra Province, Indonesia*



5 km

1:200,000

Map scale for A3

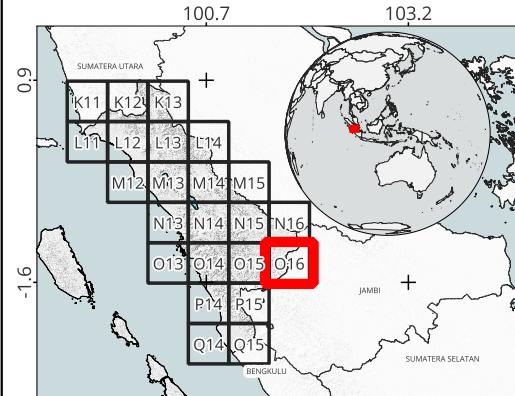
CRS: WGS84 (EPSG:4326)

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 ( $\Delta dB$ ) 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 ( $\Delta dB$ ) 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 Vetrita Ph.D (yenn004@brin.go.id)



banjir\_Sumbar\_251130\_R1\_O16

