

# Respon Tanggap Darurat Bencana Berbasis Data Satelit

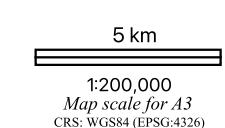
*Space-based Disaster Emergency Response*

BANJIR

015

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

## *Flood* *Solok Selatan, Solok, Dharmasraya* *West Sumatera Province, Indonesia*

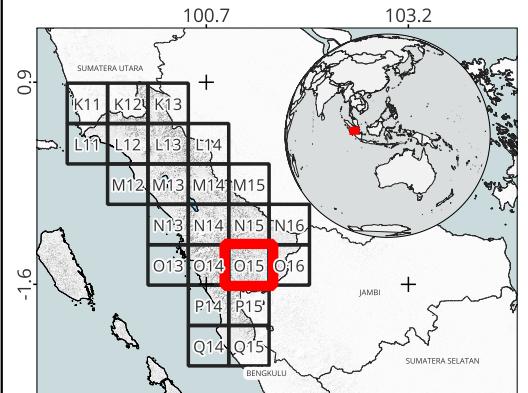


### Legenda:

	Batas kabupaten <i>District border</i>		Jaringan jalan primer <i>Primary road</i>
	Danau <i>Lake</i>		Jaringan jalan <i>Road</i>
	Estimasi area terdampak banjir <i>Estimated flooded area</i>		

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



Deskrripsi:

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

**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.

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