

## Langkah Download Data USGS

## Pendahuluan

**United States Geological Survey (USGS)** adalah lembaga ilmiah pemerintah Amerika Serikat yang bertugas melakukan penelitian geologi, hidrologi, dan pemetaan lingkungan. Salah satu layanan USGS yang banyak digunakan adalah **USGS Earthquake Hazards Program,** yang menyediakan data gempa secara real-time dan historis dari seluruh dunia. USGS mengumpulkan data gempa menggunakan jaringan seismometer global dan menyediakannya dalam berbagai format, termasuk CSV atau KML yang dapat digunakan dalam perangkat lunak pemetaan seperti ArcGIS.

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Buka Google, kemudian search "USGS Earthquake". Kliklah pencarian seperti pada kota merah "Search Earthquake Catalog"

Google	usgs earthquake		×	Ŷ	0	)	0	۲)			
	USGS Magnitude 2.5+ Earthquakes, Past Day - 110 km SE of Korsakov, Russia - 30 km W of San Nicolò, Italy - 149 km ESE of Ust-Kamchatsk Staryy, Russia - 219 km SE										
ſ	USGS ( gov) https://earthquake.usgs.gov > · Terjemahkan halaman ini										
	Search Earthquake Catalog										
	USGS Earthquake Hazards Program, responsible for monitoring, reporting, and researching										
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	Earthquakes   U.S. Geological Survey										
	Find recent or historic earthquakes, lists, information on selected significant earthquakes, earthqua resources by state, or find webservices.	ake									
	Orang lain juga bertanya 🕴										
	Has there ever been a 10.0 earthquake?	~									
	What is the difference between intensity and magnitude?	~									
What is the US earthquake monitoring system?											

Aturlah pada bagian basic options:

Magnetude: Minimum "3"

Date&Time: Start "Tahun 2020' - End "Tahun 2025"

Search Earthquake Catalog	Basic Options	
Real-time Notifications		
Information by Region	Magnitude	Date & Time
Home	2.5+	O Past 7 Days
Earthquakes	○ 4.5+	O Past 30 Days
Hazards	Custom	Custom
Science	Minimum	Start (UTC)
Monitoring	3	2020-02-20 00:00:00
Education	Maximum	End (UTC)



Pada Bagian "Geographic Region" pilihlah sesuai wilayah yang di inginkan, dengan memilik pilihan "Custom" kemudian "Selec"









Scroll hingga bawah sampai pilihan "Output Options"

Pada bagian ini pilihlah format penyimpanan data gempa bumi yang di inginkan, seperti Map, CSV atau KML.



Scroll hingga bawah sampai terlihat pilihan "Search" kemudian klik dan tunggulah proses download data gempa bumi selesai.

└	
Order By	
Time - Newest First	
O Time - Oldest First	
O Magnitude - Largest First	
O Magnitude - Smallest First	
Limit Results	
Number of Events	Offset
Search Output Format: KM	



Jika format yang di download adalah CSV atau excel maka tampilan data akan seperti di bawah ini:

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3	2021-	12-1-	-76.033	1.222.274	14.27	7.3	mww		32	1.025	0.61	us	us6000gc	2 2023-11-2	Flores Se	earthqua	k5.1	2.6	0.055	32	reviewed	us
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17	2020-0	05-0	-67.761	1.297.852	96	6.8	mww		16	1.921	0.76	us	us70009b	2023-03-1	(Banda Se	earthqua	k6.4	1.9	0.065	23	reviewed	us
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