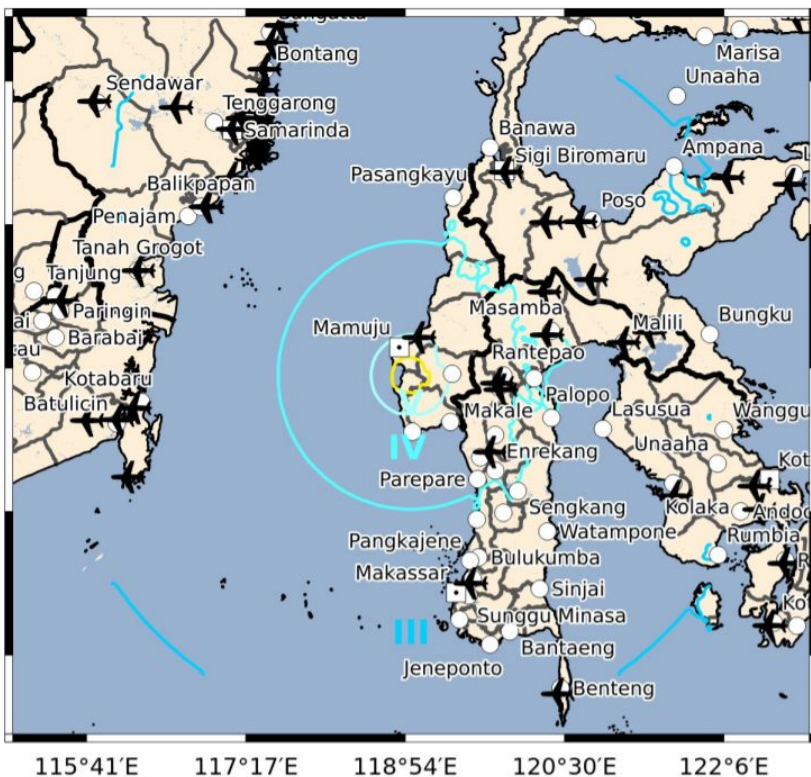


FRIDAY
15 JAN 2021
1000 HRS UTC +7

M 6.2 EARTHQUAKE IN WEST SULAWESI, INDONESIA FLASH UPDATE #1



ONE ASEAN ONE RESPONSE



ESTIMATED NUMBER OF PEOPLE EXPOSED BY MMI LEVEL

Intensity	II	III	IV	V	VI	VII	VIII	IX
People Exposed (x1000) M6.2	29	2803	689	54	14	0	0	0
Perceived Shaking	Weak	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent

Source: InaSAFE, BNPB, BMKG

Indonesia

- At 01:28 AM of 15 January 2021, a **M6.2** tectonic earthquake with epicentre at 118°54'23"E, 2°58'47"S and a depth of 10km (located 34 km, 160° SSE Mamuju) rocked West Sulawesi Province. (source: [InaSAFE](#), [BNPB](#), [BMKG](#))
- Considering the location of the epicentres of the foreshock and aftershocks and the depth of the hypocentre, the earthquakes that occurred are results of the **activity of the local fault**. Analysis shows that the earthquakes have a thrust fault mechanism according to the Head of Indonesia's Badan Meteorologi, Klimatologi dan Geofisika ([BMKG](#)) Earthquake and Tsunami Centre.
- Further, according to [BMKG](#), the shock of this earthquake was felt in Majene Mamuju **IV - V MMI** (Felt by most of people, many people woke up); and in Palu, Mamuju Tengah, Mamuju Utara dan Mamasa **III MMI** (Vibration felt in the house as if a truck was passing by). Modeling results show that this earthquake **DOES NOT have a TSUNAMI POTENTIAL**.
- [BMKG](#) monitoring results showed that there was one **foreshock (M3.1)** and there were six **aftershocks** with a maximum magnitude of **M4.1**.
- According to the ASEAN Disaster Monitoring and Response System ([DMRS](#)) and Pacific Disaster Center ([PDC Global](#)), this was a strong earthquake, and is very shallow (shallower quakes generally tend to be more damaging than deeper quakes.) Based on the preliminary data, earthquakes of this depth and magnitude are expected to result in moderate to severe shaking within 130.0 km (80.78miles) from the epicentre. It is estimated that **2.17 Million people, 484,239 households, and \$43.1 Billion (USD) of infrastructure (total replacement cost)** are concentrated within this radius.
- As of 15 January 2021, a total of **2,000 people are displaced, 3 died, and 24 injured** while **62 houses, 1 government office, 1 health facility, 1 military office, 1 hotel, and road access to Mamuju - Majene** were damaged.
- BNPB, BPBD of West Sulawesi, Mamuju, Majene, Poliwali Mandar, and related agencies are coordinating to overcome the situations and conduct data collection on the impact of the disaster
- The AHA Centre will continue to monitor for further developments and issue necessary updates.

DATA SOURCES

ASEAN Disaster Monitoring and Response System (DMRS); Pacific Disaster Center (PDC Global)

Indonesia: BNPB, BMKG, InaSAFE

Verified news media agencies

DISCLAIMER

The AHA Centre was established in November 2011 by the Association of Southeast Asian Nations (ASEAN) Member States to facilitate cooperation and coordination among the Member States, relevant agencies of the United Nations, and international organisations in disaster management and humanitarian assistance.

The use of boundaries, geographic names, related information and potential considerations for response are for reference, not warranted to be error free or implying official endorsement from ASEAN Member States.

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