

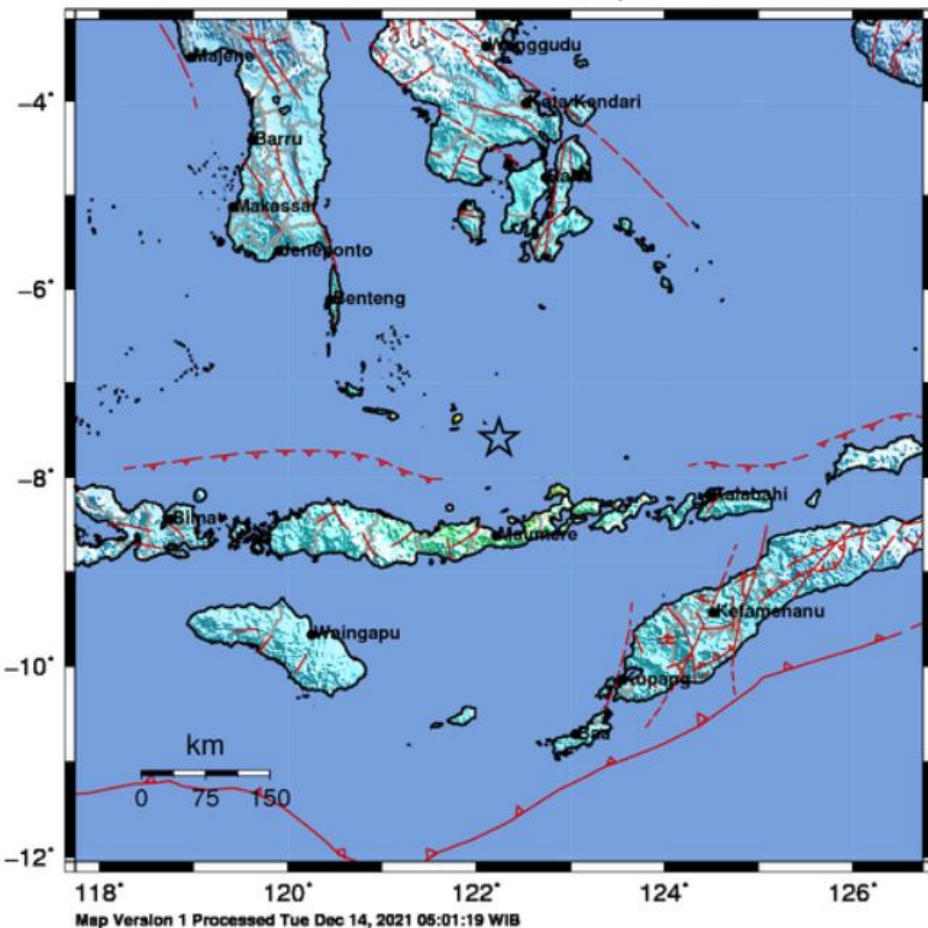
TUESDAY
14 DEC 2021
2100 HRS UTC +7

M7.4 EARTHQUAKE IN EAST NUSA TENGGARA, INDONESIA FLASH UPDATE #1



ONE ASEAN ONE RESPONSE

BMKG ShakeMap : 113 km BaratLaut LARANTUKA–NTT
DEC 14, 2021 10:20:23 WIB, M:7.4, 7.59S 122.24E, Depth:10km, ID:20211214122730



PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Mod./Heavy	Heavy	Very heavy
MMI	I	II–III	IV	V	VI	VII	VIII	IX	X+

Scale based upon Worden et al. (2011)

KEY FIGURES

Disclosure(s): Estimations are based on data reported/confirmed by National Disaster Management Organisations of the respective ASEAN Member State (Badan Nasional Penanggulangan Bencana) and other verified sources



1
INJURED



241
HOUSES



1
SCHOOL

& 2
WORSHIP PLACES

- At 1020 HRS UTC+7 of 14 December, a M7.4 tectonic earthquake with epicentre at 122.24°E, 7.59°S and a depth of 10km (located 113 km Northwest of Larantuka – East Nusa Tenggara) rocked East Flores Regency ([BMKG](#)).
- Considering the location of the epicentre and the depth of the hypocentre, the earthquake is a result of the activity of the active fault in Flores Sea. Analysis of Indonesia's Badan Meteorologi, Klimatologi dan Geofisika ([BMKG](#)) shows that the earthquake have a strike slip mechanism.
- Further, according to [BMKG](#), the shock of this earthquake was felt in Ruteng, Labuan Bajo, Larantuka, Maumere, Adonara, and Lembata III-IV MMI (many people felt it in the house during the day), Tambolaka, Waikabubak, and Waingapu III MMI (vibration felt in the house as if a truck was passing by). Modeling results show that this earthquake **DOES** have a **TSUNAMI POTENTIAL**. At 1220 HRS UTC+7, **TSUNAMI WARNING is brought down** by [BMKG](#).
- The result of sea level observations on Marapokot and Reo's Badan Informasi Geospasial ([BIG](#)) Tide Gauge Station shows that there is a sea level rise of 7 cm ([BMKG](#)).
- [BMKG](#) monitoring results show that there is eighty (80) aftershocks to date, with a maximum magnitude of M5.6 as of 14 December at 1910 HRS UTC+7.
- According to Badan Nasional Penanggulangan Bencana ([BNPB](#)), the earthquake is felt strongly in East Flores, Sikka, Lembata, Manggarai, Nagekeo, West Manggarai, and Ende Regency (East Nusa Tenggara), Makasar City, Selayar, and Bulukumba Regency (South Sulawesi), and Buton Regency (Southeast Sulawesi).
- According to the report from the [BNPB](#), as of 14 December at 1910 HRS UTC+7, this earthquake have caused 1 person injured and damaged 241 houses (41 heavily, 200 slightly), 1 school and 2 worship places. Impact and damage assessments are ongoing.
- [BMKG](#) advised people on the coast of East Flores and Lembata Regency to always be prepared for evacuations to higher ground if there is any strong earthquake, and local authorities as well as communities to remain calm and ensure the building condition before entering the building.
- 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

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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Our mailing address is:

AHA Centre,
GRAHA BNPB 13th Floor,
Jl. Raya Pramuka Kav. 38,
Jakarta 13120 Indonesia