

Disaster Resilience in Palu City Spatial Planning, Central Sulawesi, Indonesia

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SUMMARY

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In September 2018, a devastating 7.7-magnitude earthquake occurred in one of the provinces in Indonesia, Central Sulawesi. The disaster hit Palu City, Sigi, Donggala, and Parigi Moutong Regencies and is popularly known as the Palu Earthquake. This was accompanied by other natural disasters, liquefaction and tsunami. 4,845 people died, 172,999 were displaced, and as many as 110,214 houses were damaged. The total loss due to this multidimensional disaster reached IDR 18.48 trillion (USD 1.14 billion).

The Palu earthquake resulted also in changes in structure and spatial patterns in areas affected by the disaster. The City Government, therefore, has revised the City Spatial Plan (Rencana Tata Ruang Wilayah/RTRW) which was, then, enacted as Palu City Regional Regulation Number 2 of 2021 on Regional Spatial Plan for 2021–2041, aiming to implement the city as a Gulf City and National Activity Center based on industry, education, tourism, trade and services with local wisdom and disaster resilience.

This paper aims to analyze the disaster resilience aspect as one of the objectives in the RTRW. Disaster resilience capacity would be seen from 2 (two) aspects, the development planning aspect—containing efforts for prevention, preparedness, disaster risk reduction and capacity building for postdisaster recovery which refers to the program indications in the RTRW—and the aspect of active community participation in disaster risk reduction (disaster mitigation).

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