

IMPLICATION OF EARTHQUAKE DISASTER PREVENTION SYSTEM IN JAPAN TO MITIGATE EARTHQUAKE DAMAGE IN KOREA

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Abstract

The frequency of earthquakes large and small is increasing every year, including Gyeongju in 2016 and Pohang in 2017. In preparation for such earthquakes in Korea, the government has established a number of measures, starting with the first comprehensive anti-earthquake prevention measures, in the wake of Japan's Kobe earthquake in January 1995. However, Korea's earthquake prevention system has shown problems since it has been passive in making or revising the legal system after the earthquake damage occurred in Japan, China and other neighboring countries, and has only been making policies centered on the central government. Therefore, in this study, the earthquake prevention system in Japan is to be investigated and analyzed comprehensively. In addition, the government intends to compare the domestic seismic response system with Japan's earthquake prevention system and the legal system, and present a way to minimize damage from the time of the earthquake and secure stability. Based on the case study of the earthquake prevention system in Japan, it is believed that the improvement of the local laws and systems related to earthquake prevention will be effective in reducing the damage from earthquakes in the future.

Keywords: Earthquake, Earthquake Disaster Prevention System, reducing the damage from earthquakes

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