

عنوان مقاله:

INTRODUCTION AND DISCUSSION OF POST-EARTHQUAKE QUICK INSPECTION METHOD FOR DAMAGED BUILDINGS IN JAPAN

محل انتشار:

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خلاصه مقاله:

Just after a severe earthquake, we must take measures to avoid secondary damages due to aftershocks. Buildings damaged by the mainshock are likely to collapse and pose a danger to inhabitants. Therefore, we need to inspect them in the affected area after the earthquake quickly and inform the inspection results to the inhabitants. Other than such post-earthquake quick inspection (PQI), we execute various inspections of buildings for different purposes. In this paper, the authors introduce the basic concepts of PQI in Japan. We review the significance and enrolment of PQI in the recovery process at first and describe the outline of technical guidelines and the implementation system of the PQI. Finally, we present a recent application example of PQI in the 2016 Kumamoto earthquake and discuss how we implement it effectively.

کلمات کلیدی:

Post -Earthquake Quick Inspection, Residual Seismic Performance, Recovery Process, Implementation System, the 2016 Kumamoto Earthquake

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