

Study of Faculty Building Damage Vulnerability Using CBSV/CBSW (Campus Building Structure Viewing/Watching) as Disaster Mitigation Efforts

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Abstract: Bogor is a region that has two government status is city and district. In geographically, it is surrounded by mountains, amongs of them still have active status as a volcanic mountain. Level of disaster vulnerability in the Bogor region is very high ranging from earthquakes, volcanic eruptions, and heavy rains accompanied by gale that is very susceptible to demolish the building structure with many levels or floors. Time of the disaster that quite often in Bogor can not be determined with certainty although it can be predicted by using the time story and the return period of such disasters. There were requirements some disaster risk reduction efforts that can damage a variety of facilities such as buildings, buildings, public facilities and infrastructure to minimize casualties. An assessment of the vulnerability estimates building damage caused by the disaster is very important to provide information to the users of public facilities as efforts to mitigate disasters. One of the most effective methods is to use CBSV/CBSW (Campus Building Structure Viewing/Watching). Observations on this study was done by choosing a place that is a building in the Faculty of Agricultural Technology IPB Dramaga, because it is one of the IPB campus social amenities to the user that the academic community IPB. The average height of buildings in the faculty reached four floors in each department. This method is done by directly observing the structure around the faculty buildings that have been damaged and discrepancy forms. Conditions and levels of building floor height to disaster vulnerability assessment parameters. By knowing the conditions and emergency evacuation routes in the faculty building, the whole building of the Faculty of Agricultural Technology users can respond to disaster alert as disaster mitigation efforts in local area (faculty area).

Keywords: Bogor, disaster vulnerability, building damage, CBSV/CBSW