

SUMMARY

Rima Kurnia Dewi, Department of Urban and Regional Planning,, Faculty of Engineering, Brawijaya University, February 2017. Priorities of Fire Disaster Management in Subdistricts of Central Banjarmasin District. Supervisor: Turniningtyas Ayu R. and Fadly Usman.

Banjarmasin was ranked among the top of national ranking with a 61 out of 100, and classified as the most hazardous city of fire disaster. In 2012 and 2013, Central Banjarmasin District had the highest number of fire disaster incidences, with total 28 events and 26 incidents, found fatalities and severe injuries as a result of the disastrous fire. By 2014, there are four victims died in Gadang Subdistrict, as well as one victim died in Pasar Lama Subdistrict. The frequency of fire disaster at Central Banjarmasin District is closely related to the power blackouts, especially during the dry season, almost every day.

The analysis used in this study is disaster risk analysis, to find out the level of risk of fire disaster in the Central Banjarmasin District, considering the parameters of the hazard, vulnerability, and capacity. Vulnerability consist of in physical vulnerabilities, social vulnerabilities, and the vulnerabilities of the economy. All parameter calculated with scoring system. The final result of scoring process is the division of fire disaster risk level region. Disaster risk levels are divided into three grades; those are high risk, moderate risk, and low risk of fire disaster. Further analysis is Analytic Hierarchy Process (AHP) used to determine the priority of fire disaster management in Central Banjarmasin District.

Areas with low level of fire disaster risk has a total of 164,79 Ha. Areas with moderate level of fire disaster has a total of 178 Ha, and the high risk areas have a total 329,70 Ha. The alternative that is used consists of: the installation of fire disaster warning instrumental (A1), the basic training of fire disaster for communities and stakeholders (A2), the determination of locations and evacuation routes for fire disaster (A3), the improvement of communities capacity (A4), the mobilization of resources (personnel and infrastructure/facilities equipments) (A5), and the creation of standards or guidelines or procedures (A6). Priorities for the low risk area of fire disaster in Central Banjarmasin are.: (A6) 0.43, (A5) 0.23, 0.13 (A3), 0.10 (A4), (A2), (A1) 0.06 0.04. Priorities for the moderate risk area of fire disaster in Central Banjarmasin are: (A3) 0.30, 0.19 (A4), (A2), (A5) 0.18 0.14, (A6) 0.12, 0.07 (A1) and, priorities for the high risk area of fire disaster in Central Banjarmasin are 0.47 (A1), (A3), 0.17 0.15 (A4), (A2), 0.13 (A6) 0.05, and (A5) 0.04.

Keywords: disaster, fire disaster, disaster risk, disaster management