SUMMARY

Kiki Eva Permatasari, Department of Urban and Regional Planning, Faculty of Engineering, University of Brawijaya, March 2016, Disaster Mitigation of Mt. Kelud Eruption in Ngantang District, Malang Region, Advisors : Dr. Eng. Turniningtyas A.R., ST., MT. and Dr. Eng. Fadly Usman, ST., MT.

Research of disaster mitigation at Gunung Kelud eruption did in sub district Ngantang in Malang area. This research was purposed to made mitigation strategy based at the disaster risk levels, such as; low-risk, medium-risk and high-risk. Based on the results of analysis throughout this research the writer found out that, the disaster risks in ten villages were in the low level, while two villages were in the medium, and one was in the high. In analyzing the data, the writer used SEM (Structural Equation Model) and software SmartPLS to seeing the significantly between the variables.

SmartPLS was technique data analysis who could recommend connection of theory that has based theories yet. Throughout the research did by the writer, all variables have the same chances to be the first for being rescued. Then in result, Smart PLS can make mitigation priority's order based on community recent condition after the disaster. The finding of this research was show that district within low-risk level and medium-risk level have two mitigation aspects that have to being the priorities; it were community and economies. While the district of high-risk level it were physical planning and community.

Keywords: Disaster Risk; SmartPLS; Disaster Mitigation.