Training of Skills of Identification and Mapping Volcanic Hazards to Enhance the Role of Youth Groups in Mitigating Merapi Eruption Hazard

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ABSTRACT

This community service program is based on the research conducted by team in 2015 about geomorphological analytical survey to provide geomorphologic information for provision of geomorphological information to support management of disaster and environment in southwestern flank of Merapi Volcano. Based on research it is known that the area in the southwestern flank in Srumbung Subdistrict has a resource potential and hazard of eruption that needs to be recognized by the public particularly the younger generation through the identification and mapping. Beside from result of the search, this program also based on the result of community service program in previous year that followed by members of youth organizations and disaster management organizations which require follow up in the form of soft skills training in the form of digital mapping, particularly related to disaster theme. This program aim to: (1) Improve the skills of youth groups in identifying the type of volcanic hazards in the surrounding environment, (2) Improve the skills of youth groups in mapping volcanic hazard with the assistance of computer technology. This study employs a practical pragmatic used to be for a limited time, trainees can master the material and the specific skills that are considered based particularly skill in mapping of potential volcanic hazard in every landform. target audiences in this service activities are youth groups in the area of the southwestern slopes of Merapi Volcano Magelang District, particularly the member of youth organization that are actively involved in disaster relief both village and sub-district level, in the number of 28 persons. This training obtained the following results: (1) there are positive feedback from trainees seen in their high enthusiasm during training. At the time of practice activities, participants little bit hampered by the difficulties at the beginning of program so need the assistance of resource persons and team. However, in the implementation of subsequent practice participants can even help each other if there are participants who left behind or do not understand the instructions given by the speaker, (2) training success demonstrated by the ability of the participants in making a map can not be separated from the participants basic skills training in operating computers. Based on the material provided by a trainer team in the form of software ArcGIS 10.3. and mapping guide book, trainee also can follow up the results of the training by applying mapping skills in other fields.

Kata Kunci: *Mapping, hazard, disaster, merapi*