

DEVELOPMENT OF WATER NETWORK INSTALLATION INFRASTRUCTURE WITH GRAVITY TECHNOLOGY AND UTILIZATION OF HOUSEHOLD WASTEWATER FOR FRESHWATER FISH FARMING FOR ZONE MERAPI DISASTER CITIZENS

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ABSTRACT

The eruption of Mount Merapi has long occurred (October 2010) , but the impact is still visible to this day. The flow of volcanic material has destroyed means of life : houses, bridges, roads, agricultural land, irrigation channels, water supply pipes/ lines , and so on. One of the affected hamlet is Ngentak 2&1, Kalibening village , Dukun District, Magelang regency. The damage to infrastructure has been causing the delays in situ activity and economic activity of citizens.

PPM UNY Team try to help provide solutions through PPM activities in a way : design and build / repair the water distribution lines with the gravity method , and use the remaining water household for freshwater fish farming.

The PPM results obtained from the collaboration between team PPM UNY with residents have formed the design of clean water supply and distribution channels with gravity method and build them in the village . In addition it has built a fish pond , and citizens have the expertise of freshwater fish farming . In this time, water supply and fish ponds are in good condition and functioning properly by the villagers. Residents can already use it for drinking water, toilets, fish farming and freshwater fish . The PPM results have empowered citizens eruption -prone areas so that people can live better.

Kata Kunci: Merapi eruption , gravity , fish pond