

PENYEDIAAN FASILITAS SARANA DAN PRASARANA  
AIR BERSIH BAGI KORBAN ERUPSI MERAPI DI DESA  
KALIBENING KECAMATAN DUKUN KABUPATEN MAGELANG

Oleh : Endaryanta, dkk.

Abstrak

Telah terjadi letusan dahsyat gunung Merapi pada Oktober 2010. Bahaya yang ditimbulkan tidak hanya saat meletusnya saja (material vulkanik panas), tetapi pasca letusan (berupa lahar dingin & material vulkanik lainnya) juga sangat berbahaya karena meruntuhkan apa saja yang diterjangnya. Aliran material vulkanik bisa menghancurkan sarana prasarana : jalan raya, jembatan, rumah, lahan pertanian, saluran air, dan sebagainya. Dusun Mangunsoko, kecamatan Dukun, Kabupaten Magelang adalah salah satu dusun yang terkena dampak erupsi Merapi ini. Rumah, lahan pertanian dan saluran air di dusun itu rusak diterjang material vulkanik. Aktivitas dan kegiatan ekonomi warga lumpuh atau terganggu.

Team PPM UNY bertekad untuk berkiprah dengan memperbaiki / membangun kembali jaringan distribusi air bersih di dusun Mangunsoko itu. Team PPM UNY berusaha membantu warga dengan berkarya : membuat desain system jaringan air bersih, melakukan pengawasan (supervise) proses pembangunan jaringan, dan membantu sebagian material pembangunan ( semen PC, pipa PVC / pralon, dan lain lain). Jaringan saluran distribusi air ini mengandalkan system gravitasi.

Hasil yang diperoleh dari kerja keras team PPM UNY bergotong royong dengan warga kini telah terwujud. Ujudnya ialah sebuah desain dan bangunan system jaringan distribusi air bersih, mulai dari bak tangkap air, reservoir primer & sekunder, pipa-pipa distribusi ke rumah warga. Kini jaringan itu sudah berfungsi dengan baik mencukupi kebutuhan air bersih bagi warga dusun Mangunsoko, desa Kalibening, kecamatan Dukun, kabupaten Magelang. Warga bisa minum, bertani, beternak ikan menggunakan air tersebut.

Kata Kunci : erupsi Merapi, distribusi, gravitasi.

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Abstract

The dreadful explosion of Mt. Merapi had happened on October 2010. The caused danger did not only happen when erupting (hot volcanic materials) but also after erupting (such as cold lava and the other volcanic materials). It was very dangerous because it destroyed anything attacked. Volcanic current materials destroyed public facilities such as highway, bridges, houses, agricultural land, waterworks, etc. Mangunsoko village, Dukun sub district, Magelang regency is one of villages affected by Mt. Merapi eruption. The houses, the agricultural land and the workworks in this village were broken. They were attacked by the volcanic materials. The villagers' activities and the economic activities were also paralyzed or destructed.

PPM UNY team resolved making progress towards repairing and rebuilding the distribution network of fresh water in Mangunsoko. PPM UNY team tried to help the villagers thorough making the design system of fresh water network, doing supervision of the process of building network, and helping some building materials ( such as Portland Cements, PVC pipes / hard pipes, etc.). The distribution network of fresh water relied on the gravitational system.

The result gained from the hard work of PPM UNY team cooperating with the villagers has been realized. The realization is that a design and the building system of distribution network of fresh water, such as a catch water container, primer and secondary reservoirs, distribution pipes to the villagers' houses. Nowadays, the network has functioned well to supply the fresh water needs for the villagers in Mangunsoko, Kalibening village, Dukun sub district, Magelang regency. The villagers can drink, farm, and raise fish using the water.

Key words : Merapi eruption, distribution, gravitation.