

ABSTRACT

PT. Harmak Indonesia is a company that operate in andesite mining industry. This company located in Hargowilis Village, Kokap Sub-district, Kulonprogo Regency, Yogyakarta. The mining process is done by using hydraulic rock breaker Komatsu PC200 as breaking equipment, Backhoe Kobelco SK200 as loading equipment and Dump Truck Toyota Dyna 130Ht as hauling equipment.

The problem is the company cannot reach the production target which is 2.200 ton/day. The actual production is 1862,36 ton/day for loading equipment, and 1.849 ton/day for hauling equipment. This occurs because the limited area of working front and low effective working time caused by constrains.

The solution that can be done to solve this problem is by increasing the working time which can increase the equipment working efficiency and also by improving the area of working front. If the company already implement these solutions the production capability can reach 2.248 ton/day for loading equipment, and 2.221 ton/hari ton/day for hauling equipment.