

ABSTRAK

PT. Sinar Asia Fortuna is a limestone mining company that has an operation area in Dukuh Pancuran, Desa Tahunan, Kecamatan Sale, Kabupaten Rembang, Central Java. Blok Kupasan is the mine site that is used for the study or research area and the applied mining system is the open pit mining system.

PT. Sinar Asia Fortuna has a production target for the stripping of overburden cover 30,000 BCM/month. The process of the overburden stripping uses mechanical tools. The mechanical tools are one unit of loading equipment that is Excavator Backhoe Komatsu and two units of hauling equipment that is Dumptruck Nissan CW 340.

The problem that occurs is unfulfilled production from digging-loading equipment and hauling equipment so that the production target have not been achieved. The current production capability is 10090.08 BCM / month. The unachieved production target are caused by mechanical tools that is too old, and a lot of wasted work time due to work constraints, both of which could be avoided or couldn't be avoided. These constraints minimize the effective work time causing low efficiency.

Efforts to increase the production of overburden stripping can be done with increasing effective work time, increasing bucket fill factors, adding the number of work shifts, and adding the hauling equipment that works properly. With those efforts, production target was achieved, from the initial production with 10.090,08 BCM/month to 37.411,55 BCM/month.

In order to achieve the desired production target, supervision of work time should be done so that the available work time could be utilized as much as possible.