

## **ABSTRACT**

*PT. Bintang Mitra Sejahtera (PT. BIMA) is one of the limestone mining companies located in Ajibarang District, Banyumas Regency, Central Java. Where this company is a contractor company PT. Sinar Tambang Arthalestari (Semen Bima). In carrying out limestone mining activities, PT. Bintang Mitra Sejahtera (PT. BIMA) uses a Surface Mining system. Within a day, cement needs by PT. Sinar Tambang Arthalestari (PT. STAR) is 3,400 tons / day to meet the needs of Limestone as a raw material for making cement. Limestone mining is currently done using Hitachi 470 LC Backhoe and Backhoe Doosan DX 340 as loading-digging tool, and dumptruck Hino FM 260 IT as a conveyance.*

*At this time PT. Bintang Mitra Sejahtera has a target of limestone production supply of 3,400 tons / day when it is taken into consideration when this production target has not been achieved. The current actual production of loading and unloading equipment is 3.174 tons / day and for transportation equipment is 2.867 tons / day. The production target is currently not approved because of the low effective working time of the challenges that exist in increasing work efficiency to be low.*

*Efforts can be made so that the production target of stone supply can be increased by increasing working time so as to increase work time, improve tool circulation time. After repairs to effective working time, circulation time to obtain production capability of 3.768 tons / day on digging-loading equipment, and 3.536 tons / day on transport equipment.*