

ABSTRAKSI

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“LEARNING PHYSICAL COMPLIANCE OF MANUAL MATERIAL HANDLING PACKER OPERATORS ON PT SINAR TAMBANG ARTHALESTARI'S PPC REJECT CEMENT REPACKAGING PROCESS”

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(xi + 41 + Appendix)

PT Sinar Tambang Arthalestari is the owner and producer of Semen Bima. The Bima Cement Plant, built on an area of 43 hectares, is located in Tipar Kidul Village, Ajibarang Subdistrict, Banyumas, Central Java on October 8, 2012. PT Sinar Tambang Arthalestari produces two types of cement namely Ordinary Portland Cement (OPC) and Portland Pozolanic Cement (PPC). The use of human power in daily activities as workers is very dominant especially in manual material handling activities or also called material handling manuals. The activity of manual material handling when applied to the wrong working conditions will increase the occurrence of physical and muscle complaints. This research was conducted to find out the operator position of the packer in the repackaging process of PPC reject cement bags PT Sinar Tambang Arthalestari and to find out physical complaints that often occur with these operators.

The process of making bima cement at PT Sinar Tambang Arthalestari consists of several stages, namely the process of providing raw materials (mining), the grinding process and the drying of raw materials, the homogenization process (Blending), the preheating process and burning flour into clinkers (preheater & kiln), cooling process of clinker (cooler), final milling process (cement mill), and finally the process of packing cement (packer). The position of the packer operator during the repackaging process of PPC reject cement bags at PT Sinar Tambang Arthalestari consists of standing and bending. Physical complaints that often occur in operator packer repackaging of PPC reject cement bags at PT Sinar Tambang Arthalestari are pain in the back and waist. Operator 1, operator 2, and operator 3 experience complaints of back and waist pain because work is done in a standing position and bent, repeatedly and continuously without getting enough chance of relaxation, resulting in physical complaints on the body parts.

Bibliography (1995-2014)