

ABSTRACT

Capsule filling process is the process of drug manufacturing in capsule. Safety hazard in the capsule filling process are machinery and equipment moving, high-pressure steam, hot water, hot surfaces and corrosive chemicals also causes irritation, manual handle of materials and production equipment, and high noise levels. A worker also expose by dust from air during the compounding process, drying, milling, and mixing. Risk assessment is part of the safety and health of risk management to prevent an occupational accidents and occupational diseases.

The objective of this research was to analyzed risk assessments of capsule filling process in PT. Sejahtera Lestari Farma Pasuruan. This research was an observational descriptive with cross sectional approach. The population of this research is all workers of PT. Sejahtera Lestari Farma Pasuruan, and the participants are all the operators of capsule filling process, supervisor, and production manager. Research variables are hazard identification, risk analysis, risk evaluation and risk control in the capsule filling process in PT. Sejahtera Lestari Farma Pasuruan.

The results indicated, there's 24 risk caused by 14 identified hazard included eye irritation and respiratory diseases caused by dust. Risk Assesment found 9 low risks, 14 moderate or medium risks and 1 high risk.

The conclusion of the risk assessment are process of filling capsule in PT. Sejahtera Lestari Farma has medium risk level and the policy and control of health and safety risks doesn't work optimally. The recomandation for management of PT. Sejahtera Lestari Farma Pasuruan are make specific team for health and safety, review the suitability of production tools, provide training for workers, also provide appropriate PPE for workers.

Keywords: *capsule filling, hazard, risk assessment*