

## **CORRELATION OF NOISE AND WORK STRESS AMONG WORKERS AT PRODUCTION WORKER PT. SEMEN TONASA PANGKEP**

**Syamsiar S. Russeng<sup>1</sup>, Masyitha Muis<sup>1</sup>, Suci Yati Nurillah<sup>1</sup>**

<sup>1</sup>Department of Occupational Safety and Health, Faculty of Public Health, Hasanuddin University,  
**INDONESIA**

### **ABSTRACT**

Work fatigue is one of the problems that is often experienced by workers in the production of PT Semen Tonasa in the district of Pangkep is PT. Semen Tonasa is the largest cement producer in Eastern Indonesia, where production activities are quite high and continuous. This can cause workers to easily experience work fatigue so as to reduce work productivity. The purpose of this study is to determine the relationship of noise dan work stress with work fatigue in the production workers. This type of research is an observational analytic crosssectional study approach. Data collection began on July 29 to August 4, 2019 on 52 workers as samples taken by simple random sampling technique. The results showed that as many as 23 respondents (44,2%) not experienced work fatigue and 29 respondents (55.8%) experienced work fatigue. Statistical test results show that there is a relationship of noise ( $p = 0.0974$ ), work stress ( $p = 0.018$ ) with the work fatigue among workers at production worker PT. Semen Tonasa Pangkep. Based on the results of research that has been done, it is recommended that the production company PT. Semen Tonasa should adjust the division of tasks with the physical abilities and work capacity of workers, control noise at work, arrange working hours with adequate rest periods and provide counseling about the dangers of work fatigue to workers.

**Keywords:** Fatigue, noise, stress, age, work period, workload.