

## Abstract

### Regulation of Safety and health manager in Small-Sized Enterprise

**Objective:** The occupational injury rate has been gradually increased in the small-sized enterprises. However, there were no actively supported system regarding safety and health for the small-sized enterprises in-house based. This study was aimed to examine perception of occupational safety and health manager system and to conduct the cost-benefit analysis for establishing that system.

**Methods:** Total 95 employers and 288 employees in the small-sized enterprises and 88 safety/health managers in the middle-sized enterprises were conducted questionnaire which examined general characteristics and needs of safety and health manager system. And we computed of cost-benefit ratio of establishment of regulation for the safety and health manager in small-sized enterprises.

**Results:** 55.6% of employers, 65.5% of employees, and 87.1% of safety/health managers responded that safety and health manager system in-house based was needed. Based on 115,210 work places, total annual costs were 31,917,657,916won and total annual benefits were 59,731,380,248won.

Benefits were found to be 27,813,722,332 won higher than costs. Benefit/cost ratio resulting from the establishment of regulation for the safety and health manager in the small-sized enterprises was 1.87 times.

**Conclusions:** The needs for establishment of the safety and health manager regulation were revealed in the small-sized enterprises. The results of this study demonstrated that establishment of the safety and health manager regulation was a cost-beneficial investment with a significant annual saving for public expenditure.

**Key words :** small-sized enterprises, safety and health manager,  
cost-benefit, regulation impact