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Abstract
This study was to investigate the influence of safety attitude on safety behavior performance on the employee's safety self-efficacy as a moderating variable, and to analyze the difference of safety attitude, safety self-efficacy and safety behavior performance among different backgrounds of employees, and to study the relationships of these variables. First, basing on an extensive review of the literature, 68-items questionnaire was developed. Second, item analysis, validity, and reliability analysis were carried out, and then the remained 66-items questionnaire was administered. Then, data was analyzed. Finally, the conclusion and suggestion was presented. The research samples were employees from a manufacturing company in Tainan. Totally 832 questionnaires were distributed. After invalid responses were eliminated, the valid questionnaires were 806, and response rate is 96.88%.

As follows, the major findings of study revealed:

1. Genders, ages, and seniority of employees showed significant differences on safety attitude. Genders, ages, educational backgrounds, marital status, job positions and seniority of employees had significant differences on safety behavior performance.
2. Safety attitude had a significant correlation with safety behavior performance. Safety attitude had a significant correlation with safety self-efficacy. Safety attitude had a significant correlation with safety self-efficacy.
3. Safety attitude and safety self-efficacy could predict safety behavior performance, including safety behavior task performance and safety contextual behavior performance. Among which "behavioral intention dimension of the safety attitude" had the best power to predict.
4. The interaction between Safety attitude and safety self-efficacy was predictors for safety behavior task performance and safety behavior contextual performance.

Finally, according to the result of the research, suggestions of this study and the following researcher were provided related references. The suggestions for management's future uses on decision making on promoting the safety culture level and related research reference.
Advisory Committee Jin-Chuan Lee - advisor

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