

12<sup>th</sup> World Congress on**INDUSTRIAL HEALTH, HEALTHCARE AND MEDICAL TOURISM**

October 16-17, 2017 Dubai, UAE

**Seow Ta Wee**

Universiti Tun Hussein Onn Malaysia, Malaysia

**Factors of work accident at construction site in Medan, Indonesia**

Due to low safety awareness caused by small numbers of companies that implement safety and health in Indonesian construction site, it leads to excessive number of accidents at Indonesian construction site. Statistic shows that 32% of total accident in Indonesia came from construction industry which is the highest rate compare to other industries. This issue initiates the researcher to identify what are the factors that lead to the accidents in Indonesian construction site. Medan as the capital city in North Sumatra has been chosen as area to run this research following some fatal accidents happened in the construction site. Six categories of work accident's factors have been taken into this research which consists of unsafe equipment, unsafe work site and unique nature of industry, unsafe method, human error and poor management. This research will investigate those factors to find out the highest factor that significantly contributes to work accidents in Medan construction site. The respondents in this research are derived from two types of organization. They are Indonesian construction board and Contractors in Medan. Two methods of data collection have been applied in this research namely interview and questionnaire. In result, Medan have been still experienced some accidents due to unique nature of industry, human error, poor management and unsafe equipment factor. However the solution is also obtained to improve the level of safety and minimize the accidents in Indonesian construction site. The main purpose is to create sustainable safe and healthy working life in Indonesian construction site.

**Recent Publications**

1. Ta Wee Seow, Chi Kim Lim (2016) Removal of Dye by Adsorption: A Review. *International Journal of Applied Engineering Research*; 11(1): 2675-2679.
2. Seow Ta Wee, Ng Lee Shan, Tan Lai Wai and Goh Kai Chen (2015) Top-Down Approach and Good Governance Concept Towards Sustainable Construction Waste Management. *Aust. J. Basic & Appl. Sci.*; 9(35): 61-68.

**Biography**

Seow Ta Wee has his expertise in environmental management and has 16 years teaching, research and consultation experience. He has completed his PhD in Environmental Management from Universiti Kebangsaan Malaysia (UKM). His research interest is in field of environmental management, solid waste management, safety and health management, community development, regional transformation development, urban and rural development and environment, housing, social science, construction sociology and construction waste management.

[tawee@uthm.edu.my](mailto:tawee@uthm.edu.my)**Notes:**