


Home	Editorial Board	Contact Us	search...
------	-----------------	------------	-----------



JOURNAL OF TECHNOLOGY MANAGEMENT AND TECHNOPRENEURSHIP

Home

■ Welcoming Message

Archive

Call For Papers

Manuscript Preparation

Submission Info

Reviewer Recruitment

FPTT Website


UTeM Website

The Journal of Technology Management and Technopreneurship (JTMT)

The Journal of Technology Management and Technopreneurship (JTMT) (e-ISSN 2289-8158) is a refereed journal published once a year by Faculty of Technology Management and Technopreneurship, UTeM. The first issue of *JTMT* will be launched in December 2012. This twice yearly publication will be in June and December. The primary purpose of the *Journal of Technology Management and Technopreneurship (JTMT)* is to publish scholarly research articles in the fields of technology management and technopreneurship. As the official journal of the Faculty of Technology Management and Technopreneurship (FPTT), Universiti Teknikal Malaysia Melaka (UTeM) the *JTMT* is recognized as a primary instrument for projecting and supporting the goals and objectives of this university, which include scholarly research and the free exchange of ideas. *JTMT* is a journal with an international coverage aims to become a leader in the field of technology management and small business research. *JTMT* is currently in the process of ISI approval.

Editorial Correspondence should be addressed to:

Journal Secretariat
Journal of Technology Management and Technopreneurship
Faculty of Technology Management and Technopreneurship
Universiti Teknikal Malaysia Melaka
Hang Tuah Jaya
76109 Durian Tunggal
Melaka, MALAYSIA

Phone Number: +606 – 283 3049  +606 – 283 3049
Fax: +606 -283 3131
E-mail: jtmt@utem.edu.my

© 2015 FPTT | Journal of Technology Management and Technopreneurship

FACTORS INFLUENCING SAFETY MANAGEMENT SYSTEMS IN PETROCHEMICAL PROCESSING PLANTS

Norfaridatul Akmaliah Othman¹, Juhaini Jabar¹,
Murzidah Ahmad Murad¹, Mohd Fauzi Kamarudin²

¹Faculty of Technology Management and Technopreneurship

²Centre for Languages and Human Development
Universiti Teknikal Malaysia Melaka

ABSTRACT

The accident rate in the Malaysian construction industry is among the highest compared to other developing countries. The Malaysian government has recommended the self-regulation of safety management systems (SMS) for construction projects with the hope of improving the situation; however, the readiness of the local contractors to implement SMS is questionable. Based on the critical review of literature, this research intends to uncover the factors influencing SMS implementation and development among Malaysian contractors working in processing plants. Additionally, this paper highlights studies on the systemic issues of the contractors, during the development and implementation of SMS in construction industry during project execution in the processing plants. From the review of literature, this paper has uncovered interrelated obstacles encountered by contractors, namely cultural factors, working conditions and the organizational processes. The next step of the research aims to identify the most influencing factors on SMS development and implementation among Malaysian contractors as identified in this paper.

KEYWORDS: *Safety management systems, contractors, processing plants, construction supply chain*

I. INTRODUCTION

The growth of petrochemical processing plants (hereafter referred to as processing plants) has benefited various industries, especially the construction industry. The construction industry plays a major role in processing plants; as many construction activities are carry out to meet the high demands of development. One important role of the construction industry is to provide civil and mechanical maintenance tasks.