



**Dr. ISMED ISKANDAR**  
**Associate Professor**  
**Faculty of Manufacturing Engineering,**  
**Universiti Malaysia Pahang,**  
**26600 Pekan, Pahang,**  
**MALAYSIA.**

**Tel: 609-424 5834, Fax: 609-424 5888**

**Email: [ismed\\_iskandar@yahoo.com](mailto:ismed_iskandar@yahoo.com) and [ismed@ump.edu.my](mailto:ismed@ump.edu.my)**

## Academic Qualification

### **Ph.D in Engineering (1996)**

New Mexico State University, Las Cruces, NM, USA

### **Master of Science in Industrial Engineering (1991)**

New Mexico State University, Las Cruces, NM, USA

### **Bachelor of Science in Industrial Engineering (1980)**

Institut Teknologi Bandung (ITB), Bandung, Indonesia

## Expert Area

1. Manufacturing Systems
2. Quality and Reliability Engineering
3. Industrial System Simulation

## Research Project / Grant

1. Multi-Mode Failures Modelings in Reliability Engineering Systems with Bayesian Analysis Approach.
2. Enhancing the Electrical Discharge Machining of Metallic Reinforced Ceramic Composites.
3. Developing Quantitative Performance Measurement Audit Tool of Lean Manufacturing Performance using Critical Success Failure (CSF) Technique
4. The Impact of Lean Kitting Supply System on reducing Non Value Added Activities in the Motorcycle Engine Assembly Process

## List of Publications

1. Iskandar, I, Darestani, S.A, Ghavami, S and Azizi, A (4-6 December 2013), "*Supplier Selection Problem: A Multi-Objective Model Considering Both All-Unit and Incremental Discounts with Multiple-Item*", 1<sup>st</sup> International Materials, Industrial, and Manufacturing Engineering (MIMEC 2013), Universiti Teknologi Malaysia (will be published in Applied Mechanics and Materials on 30 June 2014).
2. Iskandar, I. and Mohd Razali, N, (1-3 July 2013), "*Multi-mode Failure Models for Attribute Test Data in Reliability Systems, a Bayesian Analysis Approach Using Multi-nomial Distribution Model* ", The First International Manufacturing Conference (IMEC 2013), 1-3 July 2013, Faculty of Manufacturing Engineering, Universiti Malaysia Pahang. (will be published in Applied Mechanics and Materials vol 529).
3. Iskandar, I, (Sept 2011), *Multi-mode Failure Models in Reliability Systems, a Bayesian Analysis Approach Using Weibull Distribution Model*, the 1st International Conference on Industrial Engineering and Service Science (IESS 2011), Solo, Indonesia
4. Iskandar, I, (Sept 2011), *Multi-mode Failure Models in Reliability Systems, a Bayesian Analysis Approach Using Gamma Distribution Model*, a paper submitted to the 1st International Conference on Industrial Engineering and Service Science (IESS 2011), Solo, Indonesia

## List of Consultancy

1. Facilitating the development and investment of other downstream Chemical Industries, Ministry of Industry, the Republic of Indonesia, 2011.
2. Masterplan for Development and Mapping of Indonesia Manufacturing Industries Investment (6 Sectors: Chemical based, Petrochemical, Pulp & Paper, Food and Beverages, Metal based, and Automotive Industries), Indonesia Investment Coordinating Board (BKPM), the Republic of Indonesia, 2010.
3. Business Plan for the Development of a New Terminal Container located at Jakarta's Tanjung Priok harbour area, Private Company, 2009
4. Study of PT Indosat's CDMA Telecommunication Project Development for Bali Province area (2005).
5. Business Competition Study on Land Transportation (Public Transportation) in Jakarta and its vicinity areas (Jabotabek), a study funded by the World Bank, KPPU (a state commission, a law enforcement agency on issues concerning business competition practices) of the Republic of Indonesia, 2003

## List of Course / Conference Attended

1. The 1<sup>st</sup> International Materials, Industrial, and Manufacturing Engineering Conference (MIMEC2013), Universiti Teknologi Malaysia, Johor Bahru, Malaysia
2. The First International Manufacturing Conference (IMEC 2013), 1-3 July 2013, Faculty of Manufacturing Engineering, Universiti Malaysia Pahang, Kuantan, Malaysia.
3. The 1st International Conference on Industrial Engineering and Service Science (IESS 2011), September 2011, Solo, Indonesia.
4. The 46th International Industrial Engineering Conference and the 4th Industrial Engineering Research Conference, Nashville, TN, USA, May 21-25, 1995
5. The 45th International Industrial Engineering Conference and the 3rd Industrial Engineering Research Conference, Atlanta, GA, USA, May 15-19, 1994
6. The Indonesian Students Congress and Seminar and 8th Annual Meeting of the Association in the United States of America (PERMIAS) Congress and Seminar with theme: To Increase the Awareness of the Indonesian Students in the USA as One of the Prime Motors for National Development, Houston, TX, USA, August 27-29, 1993
7. The 44th International Industrial Engineering Conference and the 2nd Industrial Engineering Research Conference, Los Angeles, CA, USA, May 23-27, 1993
8. The First Conference of ASEAN Federation of Engineering Organisations (CAFEO) with theme: Industrial Development and Co-operation in ASEAN, Jakarta, 1982