



CONSULTATION, RESEARCH AND DEVELOPMENT DEPARTMENT

TECHNICAL EXPERT PROFILE



- Name : Nor Mohd Razif Bin Noraini
- Designation : Technical Expert III
- Email Address : nor.mohd.razif@niosh.com.my / nmrazif@gmail.com
- Research Interest :
- Indoor Air Quality
 - Exposure Monitoring
 - Environmental Air Monitoring
 - Chemical Monitoring
 - Chemical Risk Assessment
 - Respiratory Protection
 - Bio-aerosol Sampling
 - Air Filtering, Cleaning, Purifying, Sterilizing and Ultraviolet Devices Testing
 - Mould Inspection and Remediation
- Education :
- Master in Mechanical Engineering (UTHM)- 2015
 - Bachelor Degree In Chemical Engineering (UiTM) - 2007
 - Diploma In Science (UiTM) - 2003

Professional Experience

- Project Engineer / Chemical Engineering – 3 years in Oleo chemical and Oil & Gas Company
- Assessor for Chemical Health Risk - 10 years - DOSH
- Industrial Hygiene Technician / Chemical Monitoring -10 Years – DOSH
- Assessor for Indoor Air Quality – 10 Years – DOSH
- Master Trainer for Industrial Hygiene Courses / NIOSH Malaysia – 6 Years
- Visiting Lecturer for Government and Private Universities – 8 Years / OUM, UKM, UiTM, UTHM
- Module developer for Industrial Hygiene Courses / NIOSH Malaysia – 5 Years
- National and International Speaker – 5 Years

Research / Field Work Experience

- *Assessor for Chemical Health Risk Assessment (CHRA)* - Has been experienced for more than 8 years and involved with more than 100 CHRA at various locations of industries in Malaysia including Manufacturing, Oil and Gas (Offshore & Onshore), Petrochemical, Oleo chemicals, Agricultural, Small Medium Enterprises and others.
- *Assessor for Indoor Air Quality (IAQ)* – NIOSH assessor and trainer for IAQ since year 2010 until present. Has been involved and performed the assessment for more than 80 projects such as hospitals, hotel, banks, offices and university. Fully trained with the instrumentations and monitoring procedures following local and international standards available.
- *Industrial Hygiene Technician 1 (IHT1)* – Experienced in handling for more than 150 Chemical Exposure Monitoring projects for different types of industrial background. Perform the exercise either single or multiple chemicals case in one time projects.
- *Lecturer, Trainer and Facilitator* – Appointed visiting lecturer by Universiti Kebangsaan Malaysia and Open University of Malaysia (OUM) for Executive Diploma in Occupational Safety & Health. An approved trainer for Safety and Health Officer (SHO) courses for NIOSH Malaysia. Master trainer and facilitator for industrial Hygiene competency courses including CHRA, IHT-1, IHT-2, IAQ and MNE by NIOSH.
- *Module Developer* – Appointed as one of the panels for the NIOSH program development committee of industrial hygiene course modules including CHRA, IHT-1, Noise Monitoring and IAQ. Involved with reviewing the courses module which elapsed certain years for NIOSH training used.
- *Researcher* – Hold a NIOSH grant for research and development in industrial hygiene topics. Develop collaboration with universities and government

agencies to perform study in special topics such as indoor air environment.

- *Speaker and Presenter* – Representative of NIOSH Malaysia to deliver speech such as in conferences, seminars and symposiums. Presenting papers in national and international programs on the conducted study and research.
- *Auditor* - Directly involved with other division as an auditor for occupational safety division in PLKN projects and laboratory division.

Publications

: **Book**

- *Task & Short-Term Exposure Monitoring Strategy Handbook*, MIHA-KIHA Collaboration Project, A Malaysian Industrial Hygiene Association Publication, 2018

: **Articles**

- *Indoor Particulate Matters, Microbial Count Assessments, and Wheezing Symptoms Among Toddlers in Urban Day Care Centers in the District of Seremban, Malaysia* – *Journal of Annals of Global Health*, 2016
- *Pre-Commissioning on Indoor Air Quality : Chemical Parameters in New Building* – *Journal of Occupational Safety and Health (NIOSH Malaysia)*, December 2011, Vol. 8 No. 2
- *Background Level of Microbe in New Office Building*– *Journal of Occupational Safety and Health (NIOSH Malaysia)*, December 2011, Vol. 8 No. 2
Comparison of Indoor Air Contaminants in Different Stages of New Building Occupancy: Chemical and Physical Parameters – *Journal of Occupational Safety and Health (NIOSH Malaysia)*, March 2013.
- *Compliance of Airborne Microbe in Different Phases of Building Commissioning* – *Journal of Occupational Safety and Health (NIOSH Malaysia)*, March 2013.
- *Building and Indoor Environment: A Study on Three Stages of a New Building Commissioning* – *International Journal of Engineering and Applied Sciences (EAAS)*, April 2013.
- *Comparative Study On Airborne Microbe In Different Phases Of Building Commissioning For Indoor Air Quality Improvement*– *ARPJ Journal of Earth Sciences*, April 2013.

: **Presentations**

- *Pre-commissioning On Indoor Air Quality : Chemical Parameters In New Building* - Kolokium Pasca Siswazah 2011 (Penyelidikan), Pembentangan Peringkat Pertama (Sarjana), Fakulti Kejuruteraan Mekanikal & Pembuatan, Universiti Tun Hussein Onn Malaysia

(UTHM), March 2011

- *Background Level Of Microbe In New Building - Kolokium Pasca Siswazah 2011 (Penyelidikan), Pembentangan Peringkat Pertama (Sarjana), Fakulti Kejuruteraan Mekanikal & Pembuatan, Universiti Tun Hussein Onn Malaysia (UTHM), November 2011*
- *Pre-commissioning On Indoor Air Quality : Chemical Parameters In New Building - Kolokium Pasca Siswazah 2012 (Penyelidikan), Pembentangan Peringkat Akhir (Sarjana), Fakulti Kejuruteraan Mekanikal & Pembuatan, Universiti Tun Hussein Onn Malaysia (UTHM), December 2012*
- *Pre-Commissioning on Indoor Air Quality : Chemical Parameters in New Building - Scientific Conference On Occupational Safety And Health (Sci-COSH) - NIOSH Malaysia, 13th – 14th December 2011*
- *Background Level of Microbe in New Office Building – Scientific Conference On Occupational Safety And Health (Sci-COSH) - NIOSH Malaysia, 13th – 14th December 2011*
- *Comparison Of Indoor Air Contaminants In Different Stages Of New Building Occupancy: Chemical And Physical Parameters – Scientific Conference On Occupational Safety And Health (Sci-COSH) - NIOSH Malaysia, 13th – 14th December 2012*
- *Compliance Of Airborne Microbe In Different Phases Of Building Commissioning– Scientific Conference On Occupational Safety And Health (Sci-COSH) - NIOSH Malaysia, 13th – 14th December 2012*
- *Pre-Commissioning IAQ In New Building: Effectiveness Of VRF Air Condition System Used On IAQ In New Classroom Setting - 9th IOHA International Scientific Conference – Kuala Lumpur, 18th – 20th September 2012*
- *Maximizing Occupational Safety And Health Practices To Minimize Workers' Downtime-the Role Of Indoor Environmental Quality Assessment - 3rd Annual Building Maintenance Conference, Istana Hotel, Kuala Lumpur, 26 & 27 February 2013*
- *Assessment of Indoor Air Quality Level On Two Stages Of Building Commissioning - Scientific Conference On Occupational Safety And Health (Sci-COSH) - NIOSH Malaysia, 2016*
- *Indoor Air Quality (IAQ) in Malaysian Childcare Centres and The Application of Ultraviolet Germicidal Irradiation (UVGI)', International Conference On Environmental And Occupational Health (ICEOH) – 2016*
- *Effective Ventilation For Hazardous Environment In Confined Space, Malaysian Authorised Gas Tester Association (MAGTA) – March 2017*

- *Indoor Air Quality – An Emerging Issue In Malaysia*, 1st International Symposium On Occupational Safety and Health At Work (ISOSH), 2018
- *Indoor Air Quality Initiative & Implementation*, Sustainability Program (SP) for Malaysia Healthcare Facilities, April 2019

Membership/ Affiliation

: **Membership**

- Graduate Technologist - Malaysian Board Of Technologists (MBOT) - 2018
- Affiliate Member of Malaysian Society for Occupational Safety & Health (MSOSH), 2016
- Registered with Board of Engineers Malaysia (BEM) – 2008
- Registered with Institution of Engineers Malaysia (IEM) – Graduate member 2009
- Registered with Institution of Chemical Engineers Malaysia (ICHEM)- 2008
- Affiliate Member of Malaysian Industrial Hygiene Association (MIHA) – 2011
- Registered with DOSH Malaysia
 - ✓ Assessor of Chemical Health Risk Assessment (CHRA)- JKPP HIE 127/171-2(286)
 - ✓ Industrial Hygiene Technician 1 (IHT-1) - JKPP HIE 127/171-3/1(165)
 - ✓ Assessor of Indoor Air Quality (IAQ) - JKPP HIE 127/171-4(20)
- Certified Internal Auditor for ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2008 by SGS Malaysia Sdn. Bhd. And Internal Auditor for MS ISO/IEC 17025:2005

: **Professional Courses Attended**

- Occupational Hygiene Courses by Occupational Health Training Association (OHTA) training provider-BOHS-NIOSH. 2014
- Authorized Gas Tester and Entrant Supervisor for Confined Space (AGTES), NIOSH – 2015
- Authorized Entrant and Standby Person for Confined Space (AESP), NIOSH - 2014
- PPE Testing and Analysis – NIOSH Malaysia PPE Testing Laboratory Project / Korea Occupational Safety And Health Agency (KOSHA), Korea, 2011
- Chemical Health Risk Assessment (Module 1, 2 and 3), By NIOSH Malaysia, 2010
- Chemical Hazardous To Health Exposure Monitoring (IHT 1), By NIOSH Malaysia, 2010
- Testing, Inspection and Examination of Engineering

Control Equipment (IHT 2), By NIOSH Malaysia, 2010

- Indoor Air Quality for Assessor, By NIOSH Malaysia, 2010
- Certificate of Safety and Health Officer (SHO), By NIOSH Malaysia, 2012
- Monitoring of Noise Exposure, By NIOSH Malaysia, 2013
- Basic Train the Trainer, By NIOSH Malaysia, 2010