

## **Curriculum Vitae**

### **PERSONAL DETAILS**

Name	DR. ALFAJRI ISMAIL, M.Si., MPM
Place & Date of Birth	Bukittinggi/September 17, 1969
Address	Jl. Kelapa Sawit XIV, Blok BG-12 No.9 Gading Serpong – Tangerang, Banten- Indonesia
Mobile phone	62-813-87433727
Email	<b>Fajri_ismail@yahoo.com</b>
Photo	



### **EDUCATION**

1989 - 1994	Degree	Chemistry - Indonesia University
2003 – 2005	Master Degree	Material Science Engineering - Indonesia University
2007 – 2010	Post Degree	Occupational Health and Safety – Indonesia University (Final project: Chemical Reactivity Hazards Assessment and Management System Development for Down Stream Chemical Industry)-Cum Laude (3.85 of 4.0 scale)

### **Executive Summary:**

- Hold a PhD in Safety Science specialized in Chemical Safety Management
- A honest, self-motivated, innovative, quick-learner, well adaptive and hard working person.
- 20 years experience in various industries including R&D activity, Quality Assurance, plant operation, production development projects, Technical Service, occupational health and safety.
- Solid knowledge in safety science: *chemical safety management, chemical safety assessment, risk assessment, safety culture and behavior, safety management standard, occupational health, ergonomic, process safety management, products stewardship, dangerous goods transportations (IATA and IMDG certified).*
- Be capable of performing risk analysis, strategic plan, feasibility study, project analysis & presentation and budgeting.



- Have strong analytical and excellent computational skill
- An effective communicator having conflict resolution and negotiation skill (in English and Bahasa Indonesia)

#### **NON PROFIT PROFESIONAL ORGANIZATION EXPERIENCE:**

- I. LSP K3 ICCOSH (Indonesian Competency Certification For Occupational Health and Safety ). Chairman of HSE Competency Scheme Development (2011- 2017)  
Responsibility:
  - Develop the new HSE competency scheme for Indonesia Worker certification according to industrial needs.
- II. Member of Research Center for Occupational Health and Safety Indonesia University (2011-Present)
- III. Member of Expert Team and Competency Development Indonesia Hospital Consultant Community (Jan 2015 – Now)
- IV. Founder of Komunitas Ahli K3 Rumah Sakit (KAK3RS)
- V. Founder of LSP Indonesia Profesional Safety and Health (LSP InProSHe)

#### **COMPETENCY CERTIFICATION:**

- **Dangerous Goods Transportation** (IATA and IMDG)
- **Specialist Occupational Health and Safety for General Industry** (Indonesia National Profesional Certification Board-BNSP)
- **Specialist Occupational Health and Safety for Oil and Gas** (Indonesia National Profesional Certification Board-BNSP)
- **Safety Management System Auditor** (Indonesia National Profesional Certification Board-BNSP)
- **Incident Investigator** (Indonesia National Profesional Certification Board-BNSP)
- **Master Project Manager** (American Academy Project Management)
- **Confined Space** (Kemenaker)
- **Certified Train of Trainer (Kemenaker)**
- **Certified Train of Trainer BNSP**
- Certified Apollo RCA Instructor (Apollonian Publication LC)

#### **OCCUPATIONAL HEALTH AND SAFETY INSTRUCTOR EXPERIENCE:**

1. Instructor for Ahli K3 Umum Sertifikasi BNSP in HSP Academy
2. Instructor for Auditor SMK3 Sertifikasi BNSP in HSP Academy
3. Instructor for K3 Migas Sertifikasi BNSP in HSP Academy
4. Instructor for Accident Investigation Sertifikasi BNSP in HSP Academy
5. Instructor for Chemical Safety (Pengelolaan B3) in HSP Academy
6. Instructor for K3 Rumah Sakit in HSP Academy
7. Instructor for HIRAC in HSP Academy
8. Instructor for CSMS Sertifikasi BNSP
9. Instructor for PPE Management in HSP Academy
10. Instructor for Safety Leadership and Safety Culture in HSP Academy



11. Guest Lecture for Chemical Safety and Fire Management in Universitas Indonesia  
**PROFESIONAL EXPERIENCE**

**I. PT. Taland Utama Karisma Perkasa**

**Managing Director**

**March 2020 – Present**

PT. Taland Utama Karisma Perkasa was founded in 1989 which specializes in operating in the field of thermal power plants, such as: Hot Oil Boilers, Steam Boilers, Water Heaters, Heat Exchangers, Water Treatment and Chemicals for boilers.

**Job Summary:**

- Establish short and long term target for the company.
- Managing day to day activities of company.
- Develop business strategy to achieve company target.
- Ensure fabrications of products meet the client schedule.
- Ensure raw materials supply meet the production schedule.
- Ensure all financials process including government tax comply with SOP and Regulations.
- Hire, train and coach employee to ensure all competency required to growth the company.
- Continuously improve the management system business, production, technical service, product development, procurement, finance and human resource development.
- Ensure the company meet local regulation and standard.
- Ensure Health and Safety Environment is implemented according to regulation.

**II. HSP Academy**

**Founder/Managing Director**

**HSE Trainer and Consultant**

**March 2015 - Present**

**Company Profile:**

HanoSen Pratama (HSP) Academy was established in July 2010 located in Gading Serpong Tangerang. HSP Academy is professional Quality, Health, Safety and Environment, Hospital Management, Project Management and Supply Chain Management training provider. HSP academy is committed to providing quality education, training and consultation that will enhance the abilities of those handling hazards and risks activities, process and productivity improvement.

**Job Summary:**

- Managing day to day activities of the company.
- Prepare, evaluate and update HSE training materials.
- Trainer and consultant for industrial Health, Safety and Environment:



- Trainer for Occupational Health and Safety for General Industry and Oil & Gas
- Trainer for Auditor Safety Management System
- Trainer for Safety Inspector
- Trainer for Safety Man
- Trainer for Chemical Hazards Management System
- Trainer for Process Safety Management
- Trainer for OHSAS 18001
- Trainer for Safety Culture and Behavior
- Trainer for PPE Management
- Trainer for Accident Investigation
- Trainer for Dangerous Goods Transportation (IATA and IMDG)
- Trainer for Laboratory Safety
- Training for Hospitals Safety

#### **Audit Experience:**

1. Internal Audit ISO 9001 PT Chandra Asri Petrochemical Center (1996-1999)
2. Internal Audit ISO 9001 PT BASF Indonesia (1999-2002)
3. Internal Audit ISO 9001 PT VAW Flexipack (2002-2003)
4. Internal Audit ISO 9001 PT 3M Indonesia (2005-2010)
5. Product EHS Management System Audit (2010-2014):
  - a. 3M Singapore
  - b. 3M Malaysia
  - c. 3M Thailand
  - d. 3M Vietnam
  - e. 3M Indonesia
  - f. 3M Taiwan
  - g. 3M China
  - h. 3M Japan
  - i. 3M Korea
  - j. 3M India
  - k. 3M Hong Kong

## **II. 3M Asia Pacific (APAC)**

### **Products EHS&R Manager (2010 – Feb 2015)**

#### **Report to Vice President, R&D 3M APAC & China Region**

**Area of Responsibility :** 3M Indonesia, 3M Singapore, 3M Thailand, 3M Malaysia, 3M Philippine, 3M Vietnam, 3M Sumitomo, 3M Korea, 3M Taiwan, 3M China, 3M Hong Kong, 3M India, 3M Australia, 3M New Zealand.

#### **Job Summary:**

To consults with APAC Subsidiary leadership team to set medium- to long-term strategic direction and operating plans of Products EHS&R for all subsidiaries in APAC Region. To provides advice and counsel for decision-making and operational planning to support the overall Products EHS&R strategy. Anticipates future regulatory, societal and scientific trends and identifies, plans, and assumes leadership of technical programs leading to the



regulatory compliance, assessment of safety to human health and the environment, liability avoidance, and product responsibility assurance of existing and new materials, products, and technologies of critical importance to the business unit(s)/staff organization served.

**Major Duties and Responsibilities:**

1. Consults with leadership team in APAC region to set medium - to long-term strategic direction and operating plans for products EHS&R. Develop medium to long term strategic direction and operating plans for APAC products EHS&R.
2. Provides effective leadership for product EHS&R issue programs by: (a) identifying, initiating, and developing review and compliance programs, and (b) serving as a technical advisor to top divisional and market management on potential business or technology acquisitions, mergers, new technology development programs, and employee education planning.
3. Provides leadership in the evaluation of internal and external program proposals and prepares objective assessments for management.
4. Interprets regulatory trends, customer requirements, and business objectives to define guidelines/methods for multiple disciplines within the Products EHS&R areas, such as regulatory compliance, assessment of safety to human health and the environment, liability avoidance, and product responsibility issues concerning existing or new chemicals, materials, products, hardgoods (where appropriate), etc.
5. Has responsibility for establishing and enforcing multiple concepts relative to the function. Working tasks might include:
  - a. Develops Products EHS&R business strategies in conjunction with fellow business leaders to ensure achievement of business objectives.
  - b. Adjusts Products EHS&R strategies to meet changing market and production conditions and operation.
  - c. Implements Products EHS&R standards and Policy as well defines guidelines for different areas such as LCM Assessment, Self Assessment, ELMS, CDMS Integrity, etc.
  - d. Coaches and explains Products EHS data and methodologies to functional leaders, external business partners, and the community to ensure their understanding and buy-in.
  - e. Defines an effective resolution system to ensure timely response to Products EHS&R issues.
  - f. Promotes best practices related to Products EHS&R and builds a respective culture within the organization.
  - g. Serves as liaison between 3M and governmental agencies as well as the local community.
6. Support local country PRL to identifies, plans, recommends, and completes technical programs leading to the regulatory compliance, assessment of safety to human health and the environment, liability avoidance, and product responsibility issues concerning existing or new chemicals, materials, products, hardgoods (where appropriate), and/or technologies or processes having major importance to the business unit(s)/division served and to market businesses.
7. Ensure and support all products responsibility liaison (PRL) personnel in APAC region to develop and maintains documentation relevant to assessment of risk to human health and the environment, to prepares and files regulatory documents, to



- protect proprietary information under government initiatives, to prepare reports and make filings, to present reports to business unit(s)/division operating committee as requested.
8. Implements PRL personnel comprehensive education plan to develop, maintain, and expand understanding of product EHS&R knowledge and skills.
  9. Typically communicates with subsidiary LT members, functional leaders, area/business leaders, and PRL personnel. May interact with key external clients.
  10. Negotiates and counsels on an expert level, justifies controversial positions and demonstrates advanced persuasion skills. Interaction involves convincing others to cooperate, grant approval, or take action of a certain kind.
  11. Actively participates in relevant corporate programs/initiatives, complies with professional and quality standards, complies with corporate policies and procedures, and acts in a manner consistent with 3M's values and ethical standards.
  12. Conduct corporate EHS audit to ensure the subsidiaries business process comply with regulation and corporate policy.

### **III. PT. 3M Indonesia**

#### **Technical Manager and HSE Advisor (2003-2010)**

#### **(Report to Country Managing Director and APAC Laboratory Manager)**

##### **Job Summary (Technical Manager):**

To identify, initiate, plan and assume leadership of technical and HSE programs of major importance to division/staff organization's business involving scientific research/understanding, applied technology, product or process innovations. To maintain a flow of major technical contributions such as material/product/process innovations and understandings and to document and communicate these via Records of Invention, patents, internal reports, technical presentations and/or publications. To ensure the HSE implementations comply with local regulation and corporate policy and expectation, ensure corporate HSE scorecard meet the target.

##### **Duties and Responsibilities (Technical Manager):**

Primary responsibilities of a technical manager are development, coaching and direction of employees and work groups and accountability for project leadership/outcomes. Communicates management goals and exemplifies corporate values to assigned personnel. Usually provides direction to technical supervisors and/or more than one work group or project. Manages and influences strategic direction of the organization.

1. Identifies, prioritizes, initiates, and plans technical programs for one or more work groups. Responsible for technical program outcomes. Leads/drives completion of complex cross-functional programs having major importance to the organization. Examples include creation of new products and technologies, customer applications, cost reduction/source of supply/quality improvement, product line extensions, etc.
2. Has direct responsibility for establishing and managing budgets for assigned work groups. Approves assigned programs and budget deviations as well as overall resources to meet business objectives.



3. Has a significant business impact on the organization due to the scope of responsibility and complexity of duties. Utilizes resources across work areas, departments, and businesses to create solutions to complex, multi-faceted problems for significantly different situations.
4. Energizes work groups by creating a climate which encourages innovation, risk taking, teamwork, and high productivity.
5. Demonstrated ability to work collaboratively with multiple functions and/or organizations. Encourages and coordinates same for assigned personnel.
6. Maintains a strong operational knowledge of organization's technologies, products, customers and customers' needs.
7. Develops an in-depth knowledge of the laboratory, manufacturing, engineering, financial, legal, sales and marketing functions and interfaces as required.
8. Develops an extensive knowledge of external activities/technologies that relate to the organization.
9. Develops appropriate intellectual property protection plans for potential 3M proprietary positions.
10. Provides recommendations for technical strategic planning and laboratory programs. Understands and communicates relevant elements of strategic technical plan to assigned work groups.

**Duties and Responsibilities (HSE Advisor):**

1. Conduct the hazards and risk assessment for 3M facility and develop the risk management plan.
2. Develop the safe working procedure for all technical activities and ensure all technical works comply with 3M HSE policy.
3. Ensure all products and process meet corporate HSE expectation and policy.
4. Conduct HSE review for all new product and process before scale up and launch.
5. Ensure all visitors to 3M innovation center are safe, secure and comfort.
6. Ensure all technical projects in the customer's site meet 3M HSE policy and expectation.
7. Conduct regular HSE inspection and audit in 3M manufacturing plant and facility.
8. Develop and maintain emergency preparedness procedure for 3M Facility.
9. Provide HSE training for 3M Employee, Customers and Contractor.
10. Provide Technical Support for OH&ES division to market the product and educate the customers.
11. Conduct the accident investigation and develop the accident prevention recommendation.

**IV. PT. INTERKEMAS FLEXIPACK (Group of VAW Germany)**

**QC, Tech. Service and Development Manager**

**(Report to Operational Director)**

**December 2002 – Apr 2003**

**Job Summary:**

- Set the quality target of manufacturing division.



- Prepare the yearly budget of quality control, technical service and development department.
- Prepare the yearly action plans and goals of QC, TS and Dev. Department.
- Responsible for safe and stable of quality control activities.
- Do the cost saving by doing the improvement in material consumption and or the production process.
- Handle the customer complaint and do the corrective action.
- Provides and conducts the training of product quality and development for customers or internal training.
- Prepares the monthly quality and development report to VAW Germany.
- Actively communicates with sister company (Propack-China, Strongpack-Thailand and Starpack-Philippine) to discuss the quality problem, development, product design, etc.
- Closely monitors the commercial and trial products in customers.
- Maintains the implementation of ISO 9001.
- Drive all customer's technical projects, build project teams where required
- Examination of technical feasibility of customer's requirement in new order
- Presentation of technical documentation to customer
- Selection of suitable raw materials
- Develop a reliable state of the art product and quality product and process
- Benchmark to competitors' solution (where possible)
- Assistance at proficiency about customer's packing lines
- Product care: ensure current products are state of the art, reconsider product for market quality and specification updates
- Define key projects together with sales based on market demand and forecast
- Perform a feasibility study based on expected product performance
- Prioritization and timing of development projects
- Prototype manufacturing
- Industrialization of product and process parameters
- Validation of new or updated raw materials respecting to Lead Technician guidelines
- Gathering the technical information on raw materials and innovation in the field of raw material expertise
- Collection of information on raw material in the frame of the plant's activities: supplier visit / reports, report on R&D activities and problem encountered with raw materials in use

## **V. PT. BASF Indonesia**

### **Head of Quality Control Laboratory – Polymer Dispersion Plant**

#### **(Report to Quality Assurance Manager)**

**Jan. 1999 – December 2002**

### **Basic Functions.**



- Leads and supervises all activities in the Quality Control Laboratory.
- Deputizes for and supports the Quality Assurance (QA) Manager.

### **Primary Duties and Responsibilities**

- Constantly implements and improves the testing procedure, e.g. procedures from the mother company.
- Organizes activities in order to solve production problems, modify selected products according to customers' requirements, and improve production process and test production procedure received from BASF Germany prior to scale-up.
- Supervises the implementation of the "Daily working Guidelines", "Safety Instruction", as well as "Testing Procedures" and ensures that quality control activities run under control.
- Sets specifications for products in case specifications from Mother Company are not available or not appropriate due to local requirements.
- Implements design of experiments method to minimize Laboratory trials.
- Delegates Laboratory activities to be carried out by particular Laboratory Assistants and supervise them.
- Determines the quality status of incoming raw materials, in process samples, intermediates and finished products.
- Releases raw material prior to use in the production.
- Releases finished products prior to delivery to customers.
- Trains subordinates (16 persons) according to the procedure "Training Quality Assurance Department".
- Analyzes the QC Lab result of the process and product improvement.
- Prepares the statistical process control and six-sigma quality report.
- Initiates the improvement of the Laboratory system and the upgrading of equipment in the Laboratory.
- Takes charge the QA Department whenever the QA Manager is absent or unavailable. In this case, I have the full authority to make all decisions that fall under the QA Manager's responsibility.
- Writes the Monthly Report of the Laboratory.
- ISO 9001 matters.

### **VI. PT. CHANDRA ASRI PETROCHEMICAL CENTER**

#### **Polymer Laboratory Supervisor**

#### **(Report to Technical Manager).**

**Dec. 1994 - Jan. 1999.**

- Responsible for the safe, stable and efficient operation of the polymer laboratory including the coordination of the Lab shift activities.
- Responsible for all polymer sampling, analyses and testing matters including the implementation of data analysis, statistical verification, reporting and recording; control of chemicals, equipment and resource inventory.



- Set short-term goals, short-term projects, assesses subordinate performance and support career development programs across the section.
- Modification and development of Lab system based on customer needs, technical report and other available data.
- Writing and implementing SOP, to ensure all Lab equipment was kept in a sound and ready condition through regular calibration and checks.
- Product Quality improvement (UCC and Showa Denko Technology) through Lab and Plant trial.
- ISO 9002 Project.
- Technology Exchange Meeting (CAPC-SDK), 1997.





# UNIVERSITAS INDONESIA

memberikan kepada

**Alfajri Ismail**

lahir pada tanggal 17 September 1969 di Bukittinggi

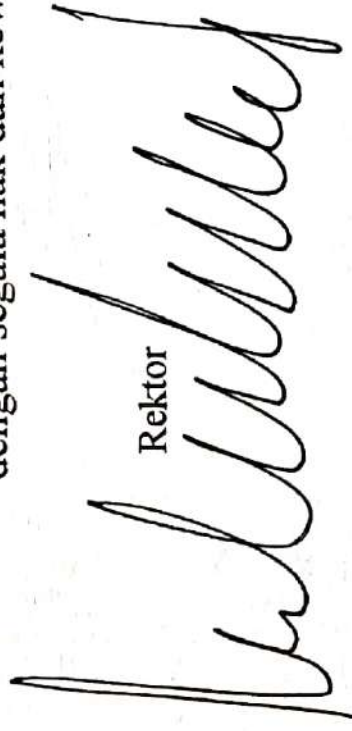
ijazah

**DOKTOR (Dr.)**

Program Studi Ilmu Kesehatan Masyarakat  
Fakultas Kesehatan Masyarakat

dengan segala hak dan kewajiban yang berhubungan dengan gelar akademik ini.

Rektor



Prof. Dr. der Soz. Gumilar Rusliwa Somantri

Jakarta, 24 Januari 2011

Dekan



<sup>1</sup>Drs. Bambang Wispriyono, Apt., Ph.D





Lembar nomor : 119031003616

Pemilik ijazah ini dinyatakan lulus

Pada tanggal : 11 Januari 2011  
Nomor mahasiswa : 0706310671  
Nomor ijazah : 0003/S3-FKM/1/2011

NC. 10-003616



A stylized handwritten signature in black ink, consisting of a large 'O' followed by a series of loops and a long horizontal stroke.

Tanda tangan Pemilik