



MOHD NORSHAHRI BIN JAILANI

Bachelor (Hons) of Chemical Engineering

Permanent Address:

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Availability of Employment

: **October 2014**

Willingness to Relocate and Travel

: **Yes**

PERSONAL DETAILS

NIRC : 880809-01-5185

Age : 26

Gender : Male

Status : Single

Health : Excellent

Nationality : Malaysian

EDUCATION BACKGROUND

YEAR	INSTITUTION
2006 – 2010	Universiti Teknologi PETRONAS (UTP)
	Programme : Chemical Engineering
	Year of Study : 4 th Year 2 nd Semester
	GPA : 3.20/ 4.00
	CGPA : 3.11/ 4.00
	Sponsorship : MARA (non-bonded)
2001 – 2005	Maktab Rendah Sains MARA (MRSM) JASIN, Melaka
	SPM : 10 A
	Maktab Rendah Sains MARA (MRSM) KEM TERENDAK, Melaka
	PMR : 8 A

WORKING EXPERIENCE

Company : Top Glove Sdn Bhd (Factory 21), Klang, Selangor.

Position : Process / R&D Engineer, Production Department.

Duration : April 2011 – Present

Job Description:

- Directly involved in the **manufacturing process of Latex and Nitrile Examination Gloves** products, by monitoring and controlling the dipping process parameters (i.e. chemical and temperature).
- Involved in **R&D project for products and process improvement**, cost cutting methods etc by implementing new technology, better chemicals and refined process procedures.
- Selected into various Centralized Committees with the opportunity to **contribute collectively and learn as a group**, for the betterment of overall process performance. Participation include in TG Former Committee, Robotic Stripping Committee, Former Holder & Conveyor Chains (FHCC) Committee, Quality Management System (QMS) Committee.

Work achievement:

- Involvement in the establishment, setting up process and commissioning of new Latex Examination Gloves Manufacturing factory (Factory 21).
- Involvement in the Accreditation process by SIRIM for **ISO 9001:2008 and 13485:2003** certifications.
- Appointment as Head of Division for Former Division, under Production Department. Involved in Ceramic Former material arrangement and planning for Production dipping process.
- Elected for participation in **Six Sigma Project** (factory level) with Green Belt Certification.



Project involvement:

- Initiate the **Establishment of Former Division** in Production Dept.
- Work closely with R&D department in **Polymer Coat research** for the improvement of Polymer Nitrile Examination Gloves in F21, to improve glove donning and as alternative for chlorination process.
- Project leader in Installation of **Robotic Arm Stripping Machines and Auto Stacking Machines** in Production lines (major modification project)
 - Improved the stripping process and packing process of finished products.
 - Able to increase productivity by 15% average per production lines.

WORKING EXPERIENCE (INDUSTRIAL TRAINING)

Company : GlaxoSmith Kline (M) Sdn. Bhd. (GSK), Ampang/Ulu Kelang Industrial Estate, Selangor.

Position : Trainee Engineer, Engineering Department, Ulu Klang Site.

Duration : 32 weeks (July 2009 – January 2010)

Job Description:

- Focus on the **Reverse Osmosis Water System** and **Heating, Ventilation & Air Conditioning (HVAC)** system, the control and maintenance for process utilities and facilities in the production site.
- **Project: AHU Filter Specification and Order for the Whole GSK site.**
 - Inspections on all the AHU air filters of the HVAC system being used in the whole plant, record and classify them according to area, type, efficiency, size, quantity used per AHU and replacement frequency.
- **Project: IMA C80/A81 BREAKDOWN ANALYSIS**
 - Perform Technical inspections and Root Cause Analysis to investigate the cause of multiple breakdowns on IMA C80/A81 production lines.

FINAL YEAR DESIGN PROJECT

Title: PRODUCTION OF ETHYL BENZENE (500,000 TONNE/YEAR)

The objective is to design a process plant for the production of Ethyl Benzene addressing the entire design and process requirement including Control and Instrumentation, HAZOP analysis, waste treatment and technical and mechanical design.

- Piping & Instrumentation Diagram (P&ID) constructed based on **PETRONAS Technical Standard (PTS)**
- **Software used:** iCON simulation software and Microsoft Visio 2003

CHEMICAL ENGINEERING RELATED PROJECT

COURSE	PROJECT TITLE	DESCRIPTION
Chemical Engineering Fluid Mechanics	Fluidization	Investigating the concept of fluidization and various types of fluidization that apply in the Chemical industry.
Introduction to Engineering Thermodynamics	Energy efficiency method in UTP	Investigating the factors that contribute in varying the energy efficiency and how to maximize the energy usage.
Material and Energy Balances	Process of Methanol Production	Simulating the process of methanol production by using HYSYS. Required to determine the equipments and conditions for the entire process.
Separation Process II	Separation Process in Industry	Investigating the process of crude oil separation in oil refinery as well as determining type of the distillation process use at the distillation column.
Process Safety and Loss Prevention	Quantitative Risk Assessment (QRA) of Acetone	Conducting a Quantitative Risk Assessment (QRA) for pipeline leakage in the Acetone Plant (Acetone Column) by using SAFETI.

COMPUTER & SOFTWARE-RELATED SKILLS

LEVEL	SOFTWARE
Basic	SAFETI, MATLAB 7.0, Dev C++ 4.0, SCADA
Intermediate	ERP, SAP, SCADA, iCON, HYSYS 3.2, AutoCAD 2007, QMS
Professional	Microsoft Office 2007, Visio 2003

ACHIEVEMENTS AND UNIVERSITY INVOLVEMENT

Performer – Tapestry of Colors Concert 2010, National Level

- Involved as a dancer in UTP's most prestigious event held at **Dewan Filharmonik PETRONAS**, KLCC in early August 2010.
- A three-day event that showcases the cultural diversity and uniqueness of Malaysia in the form of various traditional dances, musical performance, *Gamelan* and Chinese orchestra.
- The event was attended by UTP Rector, YBhg. Datuk. Dr. Zainal Abidin Hj. Kassim and received fabulous reviews from guest and local media.



Performer – Festival of Colors of the World 2010 and 2008 (FESCO'10 & FESCO'08), National level

- Performed as a dancer representing UTP in a dance festival organized by **UTP Performing Arts Group (UPAG)** in support of Co-Curriculum Unit, UTP. Also in collaboration with UNESCO for FESCO'10.
- Participated by 20 universities and higher institutions around Malaysia and from Indonesia (Universitas Gadjah Mada) for both years, the event is served as a platform to uphold the traditional dances in Malaysia as a way to preserve cultural heritage and values.
- In FESCO'10, UTP awarded as the overall winner including Best Make-up, Best Performance, Best Music, Best IPTS and Best Theme Award.



Committee/Dancer – UTP Performing Arts Group (UPAG) 2007–2010.

- Actively involved in various performance in UTP under the Co-Curriculum Unit, including **UTP Convocation dinner** in 2007 and 2008.
- Managed and supervised the group member for better showmanship and discipline.
- Cultivated good communications with the audience, better leadership skills and organizational skills, and strengthen teamwork between fellow dancers.
- Learned deep understanding in culture and arts through traditional dancing and choreographies.

Participant – Engineering Design Exhibition 23 (EDX 23) 2009, University level

- Awarded with **silver medal** for the Engineering Team Project entitled 'Secondary Fan Cooler'.
- The exhibition exposed the engineering project and final year project from students as part of their course assessment.

PERSONAL REFERENCES

Chemical Engineering Department	Personality and Management	Top Glove Sdn Bhd (F21)
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