

## GENERAL APPLICANTS' INFORMATION



### ChM. Dr. KHAIRUL ADLI BIN NIKMAN

An active, creative and multi skill professional. Has more than 10 years of experience in forensic analysis, instrumentation, laboratory management and forensic medicine. Has the ability to lead and committed for best results.

✉ [merahberapi@gmail.com](mailto:merahberapi@gmail.com); [khairuladli@moh.gov.my](mailto:khairuladli@moh.gov.my) ☎ 019-7749921

**Address** : No. 120, Jalan Jati 1/3, Jati Park, Putra Nilai  
71800 Nilai, Negeri Sembilan

**Occupation** : Forensic Scientific Officer (Grade C44)  
(Registered Chemist with Institut Kimia Malaysia)

**Employer** : Kementerian Kesihatan Malaysia  
Department of Forensic Medicine,  
Hospital Sungai Buloh

**Responsibility** : Head of Forensic Medicine Laboratory

<b>Personal Information</b>
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**Age** : 41 **Date of Birth** : 9 February 1980

**Race** : Malay **Religion** : Islam

**Nationality** : Malaysian **Sex** : Male

**Marital Status** : Married **Mykad No.** : 800209-06-5071

**Wife's Name** : Nur Azilah Binti Abdullah

**Children** : 3

Adni Safiya Binti Khairul Adli

Idham Harith Bin Khairul Adli

Adni Khairina Binti Khairul Adli

**Language** : Excellent in spoken and written Bahasa Malaysia and good in English.  
Has a minimum proficiency in Arabic.

**Hobby** : Read novels and comics, and write Malay poem, articles, short stories  
and books.

## Employment History

- April 2009 – Present** : **Forensic Scientific Officer**  
Department of Forensic Medicine,  
Sungai Buloh Hospital  
- Head of Laboratory, Forensic Medicine  
Laboratory, Forensic Medicine Department,  
Hospital Sg. Buloh, Selangor.
- February 2007 – April 2009** : **Forensic Scientific Officer**  
Institute of Forensic Medicine,  
Kuala Lumpur Hospital  
Kuala Lumpur
- September 2004 – January 2007** : **Forensic Scientific Officer**  
Department of Forensic Medicine,  
Sultanah Aminah Hospital  
Johor Bahru
- 1997 – August 2004** Part-time worker at cafeteria of Kompleks Pejabat Kerajaan Negeri Pahang, Daerah Jerantut. (Worked during study break and semester break from 1998 - 2004).
- Part-time worker (as a store keeper) at QMA Emporium in Jerantut, Pahang for one month in 1999.
- Part-time worker at my uncle's workshop (motorcycle) at Kampung Kuala Triang, Bera, Pahang for one month in 1997.

## Education Background

- 2013 – 2018    **Universiti Sains Islam Malaysia**  
Doctor of Philosophy (Science & Technology)  
Research & Thesis :  
Production, Characterization and Application of Activated Carbon from  
Cocoa Nib Wastes
- 2009 – 2011    **Universiti Malaya**  
Master of Science (Analytical Chemistry & Instrumental Analysis)  
CGPA : 3.25
- 2000 – 2004    **Universiti Sains Malaysia**  
Bachelor of Science (Forensic Science)  
CGPA: 3.10
- 1998 – 2000    **Universiti Sains Malaysia**  
Matriculation - passed
- 1992 – 1997    **Sekolah Menengah Agama Persekutuan, Jalan Labu, Seremban,  
Negeri Sembilan**  
SPM – Grade 1 with aggregate 11  
PMR – 8A 1B
- 1987 - 1991    **Sekolah Kebangsaan Bandar Pusat Jengka, Maran, Pahang**  
UPSR – 4A

## Experience Profiles

Forensic Scientific Officer (Grade C44)

- Department of Forensic Medicine, Sungai Buloh Hospital  
Sungai Buloh, Selangor

Head of Forensic Medicine Laboratory, Hospital Sungai Buloh (since 2017).

Interviewer (Technical) for Bahagian Pengurusan Latihan and Bahagian Sains Kesihatan Bersekutu for Hadiah Latihan Persekutuan - (2021)

Deputy Head of Selangor's Allied Health Professionals (2020 – 2021)

Head of Selangor's Forensic Science Officers (2020 – 2021)

PRO TEM Member of Majlis Profesion Kesihatan Bersekutu Malaysia (MPKBM) (since April 2019).

Head of Profession for Forensic Science Officer in Ministry of Health (1 June 2017 – 31 May 2019).

Prepared, presented and submitted the National Forensic Science Officer's Strategic Plan (2019 – 2023) to Bahagian Sains Kesihatan Bersekutu, KKM.

Interviewer (Technical) with JPA for Science Officer (Forensics) post (2019).

Alternate members of the National Technical Committee on Forensic Sciences (since 2017).

Standard Technical Committee Member for Analytical Chemistry NOSS Level 4 and 5 (2016).

Standard Evaluation Technical Committee Member for Analytical Chemistry NOSS Level 4 and 5 (2016).

Expert Panel for National Occupational Skills Standard (NOSS) for Analytical Chemistry - Level 5 (Malaysia Skills Advanced Diploma) (2016).

Expert Panel in Preparation of National Guideline in Management of Methanol Poisoning Outbreak (2013 and 2018).

Writer for MyHEALTH Portal (KKM) ([www.myhealth.gov.my](http://www.myhealth.gov.my)) (Since 2012).

A committee member in preparing the paperwork for Forensic Toxicology Laboratory for Institute of Forensic Medicine, Hospital Kuala Lumpur (2007).

## Research/Dissertation/Thesis

### **Thesis:**

'Production, Characterization and Applications of Activated Carbon from Cocoa (*Theobroma cacao*) Nibs Waste'

Universiti Sains Islam Malaysia and Malaysian Cocoa Board, 2018

Supervisor: Associate Professor Dr. Mohd Sukri Hassan

### **Dissertation:**

**'Determination of Alcohol in Postmortem Blood in Jabatan Perubatan Forensik, Hospital Sungai Buloh'**

Universiti Malaya and Forensic Medicine Laboratory, Department of Forensic Medicine, Sungai Buloh Hospital, 2011

Supervisor: Professor Chuah Cheng Hock

**'Determination of Nicotine Concentration in Selected Cigarettes'**

Universiti Sains Malaysia, 2004

Supervisor: Dr. Rafiquzzaman, School of Health Science

### **Research:**

**'Methanol Poisoning - Laboratory Findings: A Review'**

Research ID: 30033. NMRR ID: NMRR-16-2881-30033.

**'Delayed death in methanol intoxication: An autopsy case report'**

Research ID: 45528. NMRR ID: NMRR-18-3478-45528. Collaboration study with Faculty of Medicine, UiTM Sungai Buloh.

**'Prevalence of Postmortem Blood Alcohol Concentration Among Deaths in Hospital Sungai Buloh During 2017'**

Research ID: 42855. NMRR ID: NMRR-18-1658-42855.

Presented during National Conference on Forensic Medicine & Science (NCFMS 2018), Putrajaya.

**'Determination of Methanol and Ethanol in Biological Specimens by Headspace Gas Chromatography - A Review'**

Research ID: 44977. NMRR ID: NMRR-18-3403-44977. On-going study.

**'Removal of Paracetamol using Cocoa Nib Activated Carbon'**

Universiti Sains Islam Malaysia and Malaysia Cocoa Board, Bandar Baru Nilai, 2017

Supervisor: Dr. Sukri Hassan (USIM), Dr. Fisal Ahmad (Malaysian Cocoa Board), Dr. Mohd Azmier Ahmad (USM, Transkerian) & Dr Che Wan Zanariah (USIM)

**‘Analysing Cocoa Nib Activated Carbon Using Principal Component Analysis’**

Universiti Sains Islam Malaysia and Malaysia Cocoa Board, Bandar Baru Nilai, 2017

Supervisor: Dr. Sukri Hassan (USIM), Dr. Faisal Ahmad (Malaysian Cocoa Board), Dr. Mohd Azmier Ahmad (USM, Transkorian) & Dr Che Wan Zanariah (USIM)

**‘The Effects of Physicochemical Activation, on Porosity and Surface Functional Groups’**

Universiti Sains Islam Malaysia and Malaysia Cocoa Board, Bandar Baru Nilai, 2016

Supervisor: Dr. Sukri Hassan (USIM), Dr. Faisal Ahmad (Malaysian Cocoa Board), Dr. Mohd Azmier Ahmad (USM, Transkorian) & Dr Che Wan Zanariah (USIM)

**‘The Adsorption Capacity of Physicochemically Prepared Activated Carbon from Cocoa Nibs on Methylene Blue’**

Universiti Sains Islam Malaysia and Malaysia Cocoa Board, Bandar Baru Nilai, 2016

Supervisor: Dr. Sukri Hassan (USIM), Dr. Faisal Ahmad (Malaysian Cocoa Board), Dr. Mohd Azmier Ahmad (USM, Transkorian) & Dr Che Wan Zanariah (USIM)

Presented during Academic International Dialog Conference 2016, Open University, Seremban.

**‘Preparation of Activated Carbon from Cocoa Nibs Waste Using Chemical Activation Technique’**

Universiti Sains Islam Malaysia and Malaysia Cocoa Board, Bandar Baru Nilai, 2016

Supervisor: Dr. Sukri Hassan (USIM), Dr. Faisal Ahmad (Malaysian Cocoa Board), Dr. Mohd Azmier Ahmad (USM, Transkorian) & Dr Che Wan Zanariah (USIM)

**‘Substance Intoxication – An Instant Remedy from Cocoa’**

Universiti Sains Islam Malaysia and Malaysia Cocoa Board, Bandar Baru Nilai, 2016

Supervisor: Dr. Sukri Hassan (USIM), Dr. Faisal Ahmad (Malaysian Cocoa Board), Dr. Mohd Azmier Ahmad (USM, Transkorian) & Dr Che Wan Zanariah (USIM)

Presented during Allied Health Scientific Conference 2016, Kuala Lumpur.

<b>Publication</b>
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**‘Methanol poisoning in Klang Valley, Malaysia: Autopsy case series’**

Forensic Science International Report, 3(Supplement 2):100170, Jan. 2021

**‘Removal of methylene blue from aqueous solution using cocoa (Theobroma cacao) nib-based activated carbon treated with hydrochloric acid’**

Malaysian Journal of Fundamental and Applied Sciences. Vol. 14, No. 2 (2018) 193-197.

**‘Adsorption Capacity of Chemically Prepared Cocoa nibs based Activated Carbon on Methylene blue’**

International Journal of Petrochemistry and Research – 10 April 2017 Int. J Pet Res. 2017; 1(1): 15-18.

**‘Blood Alcohol Analysis For Postmortem Blood Samples Received In Department of Forensic Medicine, Sungai Buloh Hospital’**

The Journal of HSB, Vol. 1, No. 1 (2013).

**‘Turn Around Time (TAT) for Medico-legal Specimens in the Department of Forensic Medicine, Kuala Lumpur, 2006’**

Kuala Lumpur Hospital Journal of Quality Improvement, Vol 10 No. 2 (2007).

**Other Publication**

Book:

**Membongkar Konspirasi Zion Zionis**

ISBN: 978-967-5391-75-0

Hijjaz Records Publishing

2018

Magazine:

**Daun Betik Merawat Kanser**

Dewan Kosmik (DBP) Januari 2018

**Minyak Pati Serai Antikanser**

Dewan Kosmik (DBP) Disember 2017

**Peralatan Automasi Dalam Analisis Cap Jari**

Dewan Kosmik (DBP) Ogos 2017

**Potensi Antioksidan Koko**

Dewan Kosmik (DBP) Julai 2017



**Kunyit Rempah Sepanjang Zaman**  
Dewan Kosmik (DBP) April 2017

**Khasiat Daun Kari Pelbagai**  
Dewan Kosmik (DBP) Februari 2017

**Pandan Anti Bakteria**  
Dewan Kosmik (DBP) Januari 2017

**Daun Kesum Antikanser**  
Dewan Kosmik (DBP) Julai 2016

**Buah Letup-letup Antibakteria**  
Dewan Kosmik (DBP) Oktober 2015

**Sirih Tumbuhan Ajaib**  
Dewan Kosmik (DBP) Mei 2015

Online Portal (MyHEALTH)

**Trends, Challenges and Strategies in Forensic Science**  
19 Mei 2015; <http://www.myhealth.gov.my/tren-cabaran-dan-strategi-dalam-bidang-forensik/>

**Pernahkah Anda Menemui Mayat?**  
8 Sept 2015; <http://www.myhealth.gov.my/pernahkah-anda-menemui-mayat/>

**Kerana Arak Badan Binas**  
7 Jan 2014; <http://www.myhealth.gov.my/kerana-arak-badan-binasa/>

**DNA dan Forensic Science**  
7 Jan 2014; <http://www.myhealth.gov.my/dna-dan-sains-forensik/>

**DNA – Suatu Kepastian**  
7 Jan 2014; <http://www.myhealth.gov.my/dna-suatu-kepastian/>

**CSI – Antara Drama dan Realiti**  
7 Jan 2014; <http://www.myhealth.gov.my/csi-antara-drama-dan-realiti/>

**Aku Bebas**  
7 Jan 2014; <http://www.myhealth.gov.my/aku-bebas/>

**Keperluan dan Kepentingan Postmortem Serta Pandangan Dari Sudut Agama**  
5 Oct 2011; <http://www.myhealth.gov.my/v2/index.php/my/umum/forensik/peranan-perubatan-forensik-di-kkm>

## **Awards**

Bronze Medal in Seoul International Invention Fair 2016 – Cocoa Nibs (*Theobroma cacao*) Based Activated Carbon.

Anugerah Perkhidmatan Cemerlang (APC) Perkhidmatan Awam Tahun 2011.

## **Professional Training**

1. Certificate of Training on MS ISO 17025 (24 April 2019)
2. Demonstration and Practical Training on Surface Area & Porosity Analyzer Micromeritics ASAP 2020 (2016)
3. Demonstration and Practical Training on Rapid Extraction System SOXTHERM (2016)
4. Demonstration and Practical Training on Agilent 1260 Infinity Analytical-scale Fraction Collector (2016)
5. Demonstration and Practical Training on pH Meter Multiparameter SevenExcellence (Mettler Toledo) (2014)
6. Demonstration and Practical Training on Adsorption and Kinetic study by using Agilent Cary UV-Vis 60 (2014)
7. Demonstration and Practical Training on Vertical Dual Zone Split Tube Furnace with Quartz Tube (2014)
8. Demonstration and Practical Training on Agilent 630 FTIR (2014)
9. Certificate of Training in Internal Auditing for OSH Management System: MS 1722:2011 & OHSAS 18001:2007 (18 October 2012)
10. Certificate of Attendance for training in Fundamental of Shimadzu UV-VIS Spectrophotometer (7 September 2012)
11. Certificate of Training on Waters HPLC on-site Training (22 April 2012)
12. Certificate of Training on Phox CO-Oximeter (26 February 2012)
13. Certificate of Training in Internal Auditing for Quality Management System: ISO 9001 : 2000 (11 November 2008)
14. Certificate of Training on Thermo-Scientific Gas Chromatography Mass Spectrometer On-site Training (2008)

<b>Professional Membership</b>
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1. Member of Association of Scientific Officer in Ministry of Health (ASOMH).
2. Member in Forensic Science Society of Malaysia (FSSM).
3. Member of Institut Kimia Malaysia (IKM).

<b>Referee</b>
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**Associate Professor Dr Mohd Sukri B. Hassan**

Senior Lecturer

Fakulti Sains & Teknologi, Universiti Sains Islam Malaysia

012-648 1670

[mohdsukri@usim.edu.my](mailto:mohdsukri@usim.edu.my)

**Associate Professor Dr Ahmad Fahmi Lim B. Abdullah**

Senior Lecturer

Pusat Pengajian Sains Kesihatan, Universiti Sains Malaysia, Kubang Kerian

012-750 7093

fahmilim@usm.my

**Dr Razuin Bt. Rahimi**

Senior Lecturer

Centre for Pathology Diagnostic & Research, Laboratories, Faculty of Medicine,  
Universiti Teknologi MARA, Selangor

012-965 2145

razuin@gmail.com

**Dr Fisal Ahmad**

Senior Research Officer

Malaysian Cocoa Board, Cocoa Innovative Technology Centre (CITC), Nilai

012-965 2145

fisalcocoa@gmail.com