

## CURRICULUM VITAE



<b>A. BUTIR-BUTIR PERIBADI</b> <i>(Personal Details)</i>			
Nama Penuh <i>(Full Name)</i>	MOHAMAD FAKRI ZAKY JAAFAR		Gelaran <i>(Title)</i> : Dr.
Jawatan <i>(Designation)</i>	Professor Madya	Tarikh Lahir <i>(Date of Birth)</i>	9hb Mac 1968

Jabatan/Fakulti <i>(Department/Faculty)</i>	E-mel dan URL <i>(E-mail Address and URL)</i>
Jabatan Senibina Fakulti rekabentuk dan Senibina Universiti Putra Malaysia	E-mail: zakyjaafar@putra.upm.edu.my URL: zakyjaafar.blogspot.com

<b>B. KELAYAKAN AKADEMIK</b> <i>(Academic Qualification)</i>			
Nama Sijil / Kelayakan <i>(Certificate / Qualification obtained)</i>	Nama Sekolah Institusi <i>(Name of School / Institution)</i>	Tahun <i>(Year obtained)</i>	Bidang pengkhususan <i>(Area of Specialization)</i>
PhD. Built Environment,	University College London, UK,	2009	Built Environment
Bachelor of Architecture,	University of Manchester, UK,	1996	Architecture
Bachelor of Arts (Architecture),	University of Manchester, UK	1993	Architecture

<b>C. KEMAHIRAN BAHASA</b> <i>(Language Proficiency)</i>					
Bahasa / Language	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English					X
Bahasa Melayu					X
Chinese					
Lain-lain <i>(other)</i> :					

## D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN (Scientific experience and Specialisation)

<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
UPM	Researcher/Lecturer	2005	-	Architecture, Green Building Index, Thermal Comfort,

## E. PEKERJAAN (*Employment*)

<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
UPM	Head of Department	Dept. Of Architecture	Sep 2020	Aug 2024
UPM	Deputy Director	Putra Science Park, Office of Deputy Vice Chancellor Research and Innovation	April 2013	2019
UPM	Chief Executive Officer,	Putra Design Nucleus, Faculty of Design and Architecture	Januari 2012-	April 2013
UPM	Deputy Dean	Research and Innovation, faculty of Design and Architecture	June 2012 –	January 2012
UPM	Senior Lecturer,	Dept. Of Architecture, UPM	July 09 –	Present
UPM	Tutor, Jabatan	Senibina, Universiti Putra Malaysia	Sep '05 –	July 09'
UCL London	PhD Candidate in	The Bartlett School of Graduate Studies,	Sep '01 –	Aug '05
UPM	Tutor,	Jabatan Senibina, UPM	July '99 –	Aug '01
deNAN Architect, Melaka	Graduate Architect,	deNAN Architect, Melaka	Jan '97 –	Jun '99
Arkitek KHP, Melaka	Graduate Architect,	Arkitek KHP, Melaka	Oct '96	– Dec 96
DMP, Bangsar	Architectural trainee,	DMP, Bangsar	Dec '93 –	Jun '94

## F. ANUGERAH DAN HADIAH (*Honours and Awards*)

<i>Name of awards</i>	<i>Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
<i>Academic Awards</i>				
<i>Non-Academic Awards</i>				
	1. Anugerah Perkhidmatan Cemerlang	UPM	University	2009
	2. Anugerah Tutor Penyelidik, Hari Q FRSB	UPM	Fakulti	2009
<i>Awards of Merit</i>				

**G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan)** (*List of publications – author (s), title, journal, volume, page and year published*)

*Journal*

Ibiyeye A. I, **Mohd Fakri Zaky Ja'afar\***, Zalina Shari, Nur Dalilah Dahlan *Indoor Environmental Quality performance of mixed-mode ventilated shopping malls in hot-humid climatic region*. International Journal Of Built Environment And Sustainability. IJBES 5(3)/, 187-200 (2018)

Ibiyeye A. I, **Mohd Fakri Zaky Ja'afar\***, Zalina Shari, Nur Dalilah Dahlan, *Ieq Performance And Occupants' Satisfaction Of A Mixed-Mode Ventilated Shopping Mall In Malaysia*. Journal of Built Environment, Technology and Engineering, Vol. 2 (March) 2017

Hamzah .Z, Salleh .E, **Jaafar M.F.Z**, Yusoff .W.F.M, Irfan Mohd Nor. *Transforming Terrace Housing Rooftop To Green Roof In Kuala Lumpur – A Study On Its Constructs & Variables – Journal + Built*, Volume 9, 2016

RoosbehArabi1, Mohd Fairuz Shahidan2, Mustafa Kamal M.S.2, **Mohamad Fakri Zaky Bin Ja'afar**, Hamid Ahmadi3. *A comparative study on different application procedures on climatic data logger for outdoor environmental survey*, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 24 (2015) pp 44235-44240

Ibiyeye Aminat Idowu, **Mohamad Fakri Zaky Jaafar**, Zalina Shari, Nur Dalilah Dahlan. *Mixed-mode ventilation in Malaysia's shopping malls: a taxonomy study*, ALAM CIPTA, International Journal on Sustainable Tropical Design Research & Practice. Sepcial Issue Vol 8, Pp- 72-82

Ibiyeye, A. I., **Mohd, F. Z. Jaafar.\*** and Zalina, S. *Natural Ventilation Provisions In Terraced-House Designs In Hot-Humid Climates: Case Of Putrajaya, Malaysia*, Pertanika J. Soc. Sci. & Hum. 23 (4): 885 – 904 (2015)

AI Ibiyeye, Z Shari, **M.F.Z. Jaafar**; 2016. *Evaluating natural ventilation provisions and occupants' ventilation behavior in five terrace housing types in Putrajaya, Malaysia*. Archnet-ijar international journal of architectural research 10 (2), 130-152

Arabi R, Shahidan M. F, Kamal M. S. M, **Jaafar M. F. Z. B**, Rakhshandehroo M. 2015 *Mitigating Urban Heat Island Through Green Roofs*. Special Issue of Current World Environment 2015;10(Special Issue May 2015)

	<p>Z. Shari, <b>Z. Jaafar</b>, A. IDowu, 2015. Occupants' Utilization of Natural Ventilation: A Study of Selected Terrace House Designs in Hot-humid Climate, INTERNATIONAL JOURNAL OF BUILT ENVIRONMENT AND SUSTAINABILITY, IJBES 2(2)/2015, Penerbit UTM Press, Universiti Teknologi Malaysia</p> <p><b>Z. Jaafar</b>, F. Shahidan, D. GHoshayeshi, 2013, <i>Thermal comfort differences between polycarbonate and opaque roofing material installed in bus stations of Malaysia</i>, European Online Journal of Natural and Social Sciences, Vol 2/3.</p> <p>Ismail, S; <b>Jaafar, Z</b>; <i>Putrajaya People Bureau</i>, 2015. Australian Journal of Basic and Applied Sciences, Vol 9/7, April 2015</p> <p><b>Z. Jaafar</b>, M.F. Razali; 2011, <i>Lifelong Learning Building</i>, STEDEX-11, Vol 3, Universiti Putra Malaysia Press, 2011.</p> <p>Nasibeh, S., Elias, S., Lim, C.H., <b>Zaky, J</b> . 2008 <i>Potential Design Parameters For Enhancing Thermal Comfort In Tropical Terrace House - A Case Study In Kuala Lumpur</i> ALAM CIPTA Intl. J. on Sustainable Tropical Design Research and Practice, Vol. 3 (Issue 1) December 2008.</p> <p>Nasibeh, S., Elias, S., Lim, C.H., <b>Zaky, J</b>. 2008. “<i>Potential Thermal Impacts of Internal Courtyard in Terrace Houses: A Case Study in Tropical Climate</i>”. Journal of Applied Sciences, Vol. 8, Issue 15, pp 2770-2775.</p> <p>Zalina Shari, <b>M. Zaky Jaafar</b>, Elias Salleh and Lim C.H. 2007. “<i>The Potential of Sustainable Building Rating System in Malaysian Building Industry</i>,” Alam Cipta: International Journal on Sustainable Tropical Design Research and Practice, Vol. 3 Issue 2, December, 2007.</p>
Popular writing	<p><i>Pemeriksaan Pendidikan Senibina Melalui Institusi Kerjaya</i>, Dzine Trend, Vol 2 Issue 1 [2022]. e-ISSN 2811-4483  <a href="https://www.dzinetrend.com/v2-1-pemeriksaan-pendidikan-senibina-melalui-institusi-kerjaya">https://www.dzinetrend.com/v2-1-pemeriksaan-pendidikan-senibina-melalui-institusi-kerjaya</a></p> <p><i>Evoking Humanness: The Lifestory Of Humanity</i> , Dzine Trend, Vol 1 Issue 1 [2022]. e-ISSN 2811-4483  <a href="https://www.dzinetrend.com/copy-of-essay-1-1">https://www.dzinetrend.com/copy-of-essay-1-1</a></p> <p><i>Transformasi Rumah Sampah Ke Dewan Komuniti</i>, Dzine Trend, Vol 1 Issue 1 [2022]. e-ISSN 2811-4483.  <a href="https://www.dzinetrend.com/v1-1-transformasi-rumah-sampah-ke-dewan-komuniti">https://www.dzinetrend.com/v1-1-transformasi-rumah-sampah-ke-dewan-komuniti</a></p>

Chapter in book	<p><b>Z. Jaafar</b>, 2014, <i>Of Dinosaurs and Microbes</i>, Chapter in Natures Yields and Wonders of Arts (NYAWA) 2014, Universiti Putra Malaysia Press</p> <p><b>Z. Jaafar</b>, <i>Green Sprawl: ITMA Complex</i>, in STEDeX 2010, Fakulti Reka bentuk dan Seni bina, UPM 2010.</p> <p><b>Z Jaafar</b>, Streaks of History, in STEDeX2010, Fakulti Rekabentuk dan Seni bina, UPM, 2010</p>
Proceedings	<p><b>Mohamad Fakri Zaky Jaafar</b> (2016). <i>Cadangan Pembangunan Perumahan Berkepadatan Tinggi Untuk Persekitaran Sosial dan Prasaranan Lestari Ke Arah Meningkatkan Gaya hidup Sehat dan Berkualiti</i>. Kertas kerja dibentangkan dalam Perbincangan Meja Bulat Dengan Pemegang Taruh Peringkat Negeri Perak. UPSI, 27 Oktober 2016.</p> <p><b>Z. Jaafar</b>, N.M Zain., : <i>Issues and Challenges of Introducing Computational environmental simulation in architectural design education</i>, Malaysian Architectural Education Conference, UPM SERdang, 2012.</p> <p><b>M.F.Z. Jaafar</b>, B. Croxford; <i>Adapting TO technology: The case of Air conditioning use in Malaysian Homes</i>. Windsor Thermal Comfort Conference 2010. United Kingdom. 9-11 April 2010</p> <p>F.P. Rahimian(Universiti Putra Malaysia, Malaysia), R. Ibrahim(Universiti Putra Malaysia, Malaysia) and <b>Z. Jaafar</b>(Universiti Putra Malaysia, Malaysia)"3D Sketching Concept in Virtual Reality (VR) Environment During an Intergrated Design Process" <i>ICCCBE-XII &amp; INCITE 2008, Beijing 16-18 Oct 2008</i></p> <p>Chin Haw L., <b>Zaky Jaafar</b> and Elias Salleh. 2008. "Assessment of Non-Technical Barriers for Widespread Adoption of Building Integrated Photovoltaic System (BIPV) in Malaysian Urban Residential Sector", <i>Proceedings of the International Conference on Passive and Low Energy Architecture (PLEA2008)</i>, Dublin, Ireland, 22 – 24 October 2008.</p> <p>Lim C.H., Elias Salleh, <b>Zaky Jaafar</b> and Zalina Shari. 2007. "An Empirical Approach to BIPV Application and Performance in Malaysia," <i>Proceedings of the 24th Conference on Passive and Low Energy Architecture</i>, Singapore, 22-24 November 2007.</p> <p>Z. Shari, <b>Z. Jaafar</b>, E. Salleh and L.C. Haw. 2007. "Establishing Local Weighting Values of SBTool for Application in Malaysia," <i>Proceedings of the International Conference on Sustainable Building South East Asia (SB07)</i>, Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia, 5-7 November 2007.</p> <p>Zalina Shari and <b>Zaky Jaafar</b> "Integration and implementation of sustainability in Malaysian architectural education", <i>Australia and New Zealand Architectural Science Association</i>, 40th Annual Conference 2006</p> <p><b>Z jaafar</b>, Environmental conditions of air conditioned bedroom and Non air conditioned bedrooms - A Comparative Analysis Paper, presented in, at Sustainable Buildings 2004 South East Asia, Pan Pacific Hotel KLIA 2005</p> <p><b>Z. Jaafar</b>, Z. Shari, 2006. <i>Airconditioning in Malaysia: Adaptive behaviour and use characteristics</i> International conference on Tropical Architecture 2006, Jogjakarta Indonesia 3-5 April 2006</p> <p><b>Z. Jaafar</b>, Z. Shari , 2005. <i>Environmental conditions of air conditioned and Non air conditioned bedrooms - A Comparative Analysis</i>. Paper, presented in Conference on</p>

	Sustainable Buildings 2004 South East Asia, at Pan Pacific KLIA, Malaysia 12-13 April 2005
<i>Other publications</i>	Wan Mohamad, W.S. and Jaafar, M.F.Z. (1999); Architecture for Humanity Competition: Designing Temporary Shelter for Kosovo Refugees Using Segal Method (Self-Help and Self-Build); War Child U.S.A.
<i>Computer software</i>	

<b>H. PROJEK PENYELIDIKAN TERDAHULU</b> (Past Research Project)					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
<i>JSB/FRSB/UPM</i>	<i>Rumah Ready To Install System (ReTIS untuk Rumah Banjir dan Rumah Mampu Milik)</i>	<i>Member of Research Team</i>	<i>2019-2023</i>	<i>MTIB-(RM450,00)</i>	<i>Ongoing</i>
<i>Innohub Projek 2021</i>	<i>CART Community Architecture Research TEAM Brand</i>	<i>Member of Project Team</i>	<i>2020-2023</i>	<i>UPM (RM100,00)</i>	<i>Ongoing</i>
<i>JS/FRSB/UPM</i>	<i>Bird Of Malaysia: Installations at KLIA (Students Project)</i>	<i>Coordinator, Supervisor</i>	<i>2021-2023</i>	<i>MTC (RM28,000)</i>	<i>Ongoing</i>
<i>GP/2018/96661600</i>	<i>Green Building Concept to enhance Commercial Viability of Controlled Environment Agriculture (CEA) in Malaysia</i>	<i>Project Leader</i>	<i>2018-2019</i>	<i>GPutra</i>	<i>Ongoing</i>
<i>GP-IPS/2017/9531100</i>	<i>Peningkatan Imej Organisasi Melalui elemen Hiasan dan Dekorasi seni</i>	<i>Ketua Projek</i>	<i>2017-2018</i>	<i>GP IPS</i>	<i>ongoing</i>
<i>03-01-14-146FR</i>	<i>Thermal Comfort of Mixed Ventilation in Prestigious hotels in Malaysia</i>	<i>Project LEader</i>	<i>2014-2016</i>	<i>FRGS</i>	<i>Completed</i>
<i>Escience</i>	<i>The Impact of Radiant Barrier System on Residential Air-Conditioning Load Under Malaysian Climate IC Condition.</i>	<i>Project Leader</i>	<i>Mac 2012 –Februari 2014</i>	<i>E-Science</i>	<i>Completed</i>
<i>ERGS</i>	<i>Enhancing Sustainable Design Skill By Integrating Environmental Solution in Architectural design education</i>	<i>Project Leader</i>	<i>August 2011- July 2013</i>	<i>ERGS</i>	<i>Completed</i>
<i>05-04-10-852FR</i>	<i>Thermal Comfort and overcooling in lecture halls</i>	<i>Project Leader</i>	<i>2 tahun April 2010</i>	<i>FRGS</i>	<i>Completed</i>
<i>06-02-07-0492RU</i>	<i>Impact of new commercial development around Bandar Hilir on Uneco Heritage Status</i>	<i>Project Leader</i>	<i>Dec 2006-Januari 2008 -</i>	<i>RUGS</i>	<i>Completed</i>

06-01-04-SF0274	“Testing The Adaptability of GBTool for Assessing The Sustainable Performance of Commercial Buildings in Malaysia”	Co researcher	Dec. 2006 – Nov. 2008.	E-science	Completed
05-02-07-0355RU	Identification and Addressing of Non-Technical Barriers and Solutions for Widespread Adoption of BIPV in Malaysian Residential Sector	Co researcher	2009-2010	MOHE	Completed
05-02-07-0349RU	Effects of Innovative Building Envelopes on Thermal Comfort Conditions and Energy-Efficiency in Malaysian Domestic Buildings.	Co researcher	2008	MOHE	2010