



**PERSONAL PARTICULARS**

**Professor Ts Dr Mohd. Hamdan Ahmad**

*Date & Place of Birth:*

**4<sup>th</sup> March 1964**

Kg. Tering, Tg. Batu, Nenas, Pekan, Pahang

*New NRIC:*

**640304-06-5125**

*Nationality:*

**Malaysian**

*Marital status:*

**Married**

*Current Position:*

**Deputy Vice Chancellor (Development)**

**Universiti Teknologi Malaysia**

*Current Address and Permanent Address:*

**Office of Deputy Vice Chancellor (Development),**

**Universiti Teknologi Malaysia**

**81310 UTM Skudai**

**Johor, Malaysia.**

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## PROFESSIONAL QUALIFICATION

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<i>Degree</i>	<i>Year obtained</i>	<i>Institution</i>
<b>B.Arch (Cum Laude)</b>	<b>1987</b>	<b>University of Miami, Coral Gables, Florida, USA.</b>
<b>PhD in Architecture</b>	<b>1997</b>	<b>University of Manchester, United Kingdom</b>

## AREA OF INTEREST

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- Sustainable Cities and Urban Habitat
- Sustainable Environmental Architecture
- Building Performance Studies.
- Architecture Education.
- Public Park Design
- Eco-Tourism

## ACADEMIC EXPERIENCE

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080808-present	<b>Professor</b>
2001-2008	<b>Associate Professor</b>
1997-2001	<b>Lecturer</b>
1988-1997	<b>Assistant Lecturers A</b>
	<i>Department of Architecture, Faculty of Built Environment Universiti Teknologi Malaysia 81310 UTM Skudai, Johor Bahru</i>
1986-1987	<b>Teaching Assistant,</b> <i>First Year Design Studio and Critics School of Architecture, University of Miami, Coral Gables, Florida, U.S.A.</i>

## PAST IMMEDIATE ADMINISTRATION POST

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- **Dean** – 1<sup>st</sup> July 2018 – 14 April 2020  
*Faculty of Built Environment and Surveying  
Universiti Teknologi Malaysia, UTM Skudai,  
Johor Bahru*

## PAST ADMINISTRATION POST

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- **Dean** – 1<sup>st</sup> May 2017 – 30<sup>th</sup> June 2018  
*Faculty of Built Environment  
Universiti Teknologi Malaysia, UTM Skudai, Johor Bahru*

- **UTM MSCP Director**, 1<sup>st</sup> Sept 2013 – 31<sup>st</sup> December 2018  
*MIT UTM Malaysia Sustainable Cities Program*
- **Executive Director**, 1<sup>st</sup> January 2010 – 30<sup>th</sup> April 2017  
*Institut Sultan Iskandar of Urban Habitat & Highrise  
Universiti Teknologi Malaysia*
- **Deputy Director**, 1<sup>st</sup> August 2009 – 31<sup>st</sup> December 2009  
*Institut Sultan Iskandar of Urban Habitat & Highrise  
Universiti Teknologi Malaysia*
- **Deputy Dean (Post Graduate Studies and Research)** – 2005-2009  
*Faculty of Built Environment  
Universiti Teknologi Malaysia, UTM Skudai, Johor Bahru*
- **Head of Department (Architecture)** – 1997-1999
- **Head of Program (Architecture)** – 1996-1997  
*Dept. Architecture, Faculty of Built Environment  
Universiti Teknologi Malaysia, UTM Skudai, Johor Bahru*

## **ACADEMIC ADMINISTRATION EXPERIENCE**

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### **University Management**

- **University Senate Member** (Elected Representative 2011-2017 and 2017 as appointed member to present)
- **Senate Representative Committee**
  - Lower Senate Committee on Students Affairs and Alumni
  - Lower Senate Committee on Teaching and Learning Facilities
  - Lower Senate Committee on Development and Industry Network

### **Administration and academic responsibilities in postgraduate program in UTM include:**

- Deputy Dean (Post Graduate Studies and Research) Faculty of Built Environment 2005-2009.
- Advisory Panel to Postgraduate Program in Architecture 1999-present.
- Internal Examiner for Postgraduate Program in Architecture 1998-present.
- Subject Lecturer for Tourism Product Design, Master in Tourism Planning by taught course, 2002.
- Guest Lecturer, Research Methodology Course under SPS 2007 - Present.
- Member JAPSU, 2005-2009.
- Member JKTSPS, 2005-2009.

**Administration and academic responsibilities in undergraduate program in UTM include:**

- Head of Environmental Architecture Panel Unit 2002-present.
- Fifth Year Urban Design Studio 2003-2004.
- Head of Building Science Laboratory 1999-2005.
- Tutor & Coordinator for 2<sup>nd</sup> and 3<sup>rd</sup> Year Design Studio/Program 1989-2005.
- First year Design Studio 1998-1999.
- Head of Department (Architecture) 1997-1999.
- Course Director (Architecture) 1996 – 1997.
- Subject lecturer for Environmental Physics I and II, Environmental Planning and Design, Climatic Architecture Technology, Building Construction and Building Services.
- Design Tutor for Final Year Thesis Students and Head of Thesis Panel.
- Tutor for Topical Studies.
- Coordinator for 4<sup>th</sup> Year Design Studio 1996/97.
- Coordinator for group C elective subjects 1990/91.
- Internal Panel for Final Year Landscape Architecture Program 1996-present.
- Academic Advisor 1988-present.

#### **OTHER TASKS**

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- Appointment as 'Ahli Mesyuarat Jawatankuasa Pemilihan Felo Pasca Doktorat (Pembelajaran dan Pengajaran)', Universiti Teknologi Malaysia, 4 Ogos 2019.
- Appointment as 'Ahli Task Force Semakan Semula Senarai Tugas Pentadbir Akademik Universiti', Universiti Teknologi Malaysia, 31 Julai 2019.
- Appointment as 'Ahli Task Force Bidang Tumpuan Utama: Kesohoran Global dan Penjenamaan (Fasa III: 2018-2020)', Universiti Teknologi Malaysia, 27 Jun 2019 – 31 Disember 2020.
- Appointment as 'Mentor M4E (Mentoring For Excellence)', Universiti Teknologi Malaysia, 9 Mei 2019.
- Appointment as 'Jawatankuasa Induk Majlis Citra Karisma 2019', Universiti Teknologi Malaysia.
- Appointment as 'Ahli Task Force Berkaitan Pemansuhan Akta Universiti dan Kolej Universiti 1971' Universiti Teknologi Malaysia, 26 Februari 2019.
- Appointment as Ahli Jawatankuasa Polisi Zon Bebas Kenderaan Pelajar Universiti Teknologi Malaysia, 23 Januari 2019.
- Appointment as 'Pengerusi Jawatankuasa Khas Laluan Kerjaya Pelbagai Trek Staf Akademik (DCP)', 1 Januari 2019 – 30 Jun 2021.
- Appointment as 'Pengerusi Panel Anugerah Majlis Citra Karisma 2019 – Anugerah Seni & Kreativiti' Universiti Teknologi Malaysia.
- Appointment as 'Ahli Senat Universiti Teknologi Malaysia', 1 Julai 2018 – 20 Januari 2020.
- Appointment as Moderator for 2018 International Symposium on Lifelong Learning (ISLLE 2018), Universiti Teknologi Malaysia, 24 April 2018.

- Appointment as Board of Study: Doctor of philosophy in Built Environment, Master of Science in Built Environment, Infrastructure University, Kuala Lumpur 29 Januari 2018 – 1 February 2020.
- Appointment as 'Ahli Majlis Dekan Alam Bina', 1 Januari 2018 – 1 Januari 2020.
- Appointment as Chairman of Presentation Session for *Seminar Sinergi Rakyat-Kerajaan Malaysia 2015 (SSRKM2015)*, 17 December 2015, UTM Kuala Lumpur
- Appointment as *Penilai Bebas untuk Kenaikan Pangkat ke Jawatan Profesor Madya*, Universiti Putra Malaysia, 30 November 2015 – 30 November 2017
- Appointment as Journal Reviewer for International Joint-Conference Senvar-Inta-Avan 2015, 24 – 26 November 2015
- Appointment as the Chairmain for International Joint-Conference Senvar-Inta-Avan 2015, 24 – 26 November 2015
- Appointment as Facilitator for Bengkel Perancangan Strategik UTM 2015, 29 – 31 October 2015, Universiti Teknologi Malaysia
- 70<sup>th</sup> Professorial Inaugural Lecture Series: Professor Dr. Mohd Hamdan Hj. Ahmad
- Appointment as Committee Member for *Jawatankuasa Rayuan Pemilihan Majlis Perwakilan Pelajar (PMPP) Sesi 2015/16*, Universiti Teknologi Malaysia
- Appointment as 'Panel Penilai Proposal Potential Academic Staff 2015, Universiti Teknologi Malaysia
- Appointment as 'Jawatankuasa Perlaksana Sempena Sambutan 30 tahun UTM bersama Johor', 17 September 2015 to 31 October 2015
- Appointment as 'Ahli Penyelidik Projek Indeks Syariah Malaysia Bidang Prasarana & Persekitaran, Universiti Teknologi Malaysia from 1 August 2015 to 31 Disember 2015.
- Wakil Senat Dalam Mesyuarat Jawatankuasa Tetap Senat Pembangunan dan Mahasiswa & Alumni, 2014 to 2016
- Wakil Senat Dalam Mesyuarat Jawatankuasa Tetap Senat Jaringan Industri dan Masyarakat, 2014 – 2017
- Wakil Senat Dalam Mesyuarat Jawatankuasa tetap Senat Perpustakaan dan Sumber Pendidikan, 2014-2017
- UTM Senate Members from 23 January 2014 to 22 January 2017
- Panel Penilai Agensi Kelayakan Malaysia (MQA), 2014
- Member of Lembaga Arkitek Malaysia's (LAM), 2010-present
- Secretariat to Lawatan Penilaian Penyambungan Akreditasi Program Sarjana Muda, UTM Space, August 2014
- Appointed as a Secretariat for MyINOVASI 2014 event by Kementerian Pengajian Tinggi.
- Head for MIT-UTM Malaysia Sustainable Cities Program (MSCP), 2014
- Task Force Plan Global UTM 2014: Research, Innovation and Commercialization Excellence Fasa II
- Task Force for Research Alliance, UTM; August to November 2014
- Appointed as a Secretariat to *Resolusi Kongres Kediaman Suara Hati*, October to December 2014
- Advisor to Architecture Department's Curriculum Review Committee, July to December 2014
- Appointment as Ahli Projek Bagi Key Focus Area (KFA) – Research & Innovation Di Bawah Pelan Global UTM 2012 – 2020, 1 Ogos 2012.

- Task Force Generic Skill UTM 2004-present.
- Task Force Double Major-Minor UTM 2004-present.
- Chairman Architecture Curriculum Review Committee 2004-2005.
- Advisor to Architecture Students Society 2003-present.
- Facilitator for PTK 3 (Community Service) 2004.
- Facilitator for PTK4 (Generic Skill) 2004-present.
- Facilitator for SPPT (Generic Skill) 2005-present.
- Taskforce KLCC Diploma Elite New Masterplan 2005.
- Taskforce UTM Bandar Penawar New Satellite Diploma Campus Masterplan 2005.
- Chairman Technical Committee on Design & Built UTM 2009-present
- Task Force Innovation University UTM 2010
- Task Force Technology Innovation Entrepreneur CEO Global Forum UTM 2010

## **ACADEMIC HONORS AND AWARDS**

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- 100 Most Dedicated Professors - World Education Congress, 4 – 7 July 2018 in Mumbai, India.
- Gold Medal, Invention & Innovation Awards 2016 – Indoor Air Quality Monitoring Portable Device (Team Member)
- Bronze Medal, Invention & Innovation Awards 2016 – Early Flood Detection Radio Sensor Network (Team Member)
- Bronze Medal, Invention & Innovation Awards 2016 – Smart Environment monitoring (Team Member)
- Certificate of Appreciation from Scientific Counsellor of Iran in East Asia, 2016
- Gold Prize, Seoul International Invention Fair 2015 – Invention of Cooling Wall
- Gold Prize, Seoul International Invention Fair 2015 – Invention of PAWDEX (Urban Walkability Index Analysis Model)
- Award of Excellence (Gold), Seoul International Fair 2015, An innovative PAWDEX (Urban Walkability Index Analysis Model)
- Anugerah Setia Ahmad Shah, from Sultan Pahang 2013
- Best Paper Awards, Asia Future Conference (AFC) 2013, 8-10 March in Bangkok, Thailand.
- Best Presentation Prize, Asia Future Conference (AFC) 2013, 8-10 March in Bangkok, Thailand.
- Silver Medal, Ekspo Penyelidikan, Rekacipta & Inovasi 2007 (UM) (with Asrul Mahjuddin Ressang – Head and Dr Nik Ahmad Kamal Nik Mohd Amin, UM).
- Bronze Medal, 8<sup>th</sup> Industrial Art and Technology Exhibition 2006 (INATEX-UTM), 2006.
- Anugerah Perkhidmatan Cemerlang (Excellence Service Award) UTM (Tahun 2005), 2006.
- Consolation Prize, Malaysian Structural Steel Association Design Competition, Public Market – Pontian, 2003.
- Anugerah Perkhidmatan Cemerlang (Excellence Service Award) UTM (Tahun 2002), 2003.

- Finalist, Original Book Category, *Design Principles of Atrium Buildings in the Tropics*, Penerbit Universiti Teknologi Malaysia, 2000, Hari Penerbitan UTM, 2001.
- Dean's List, University of Miami, 1983, 1984, 1985, 1986 & 1987
- Phi Kappa Phi National Honor Society, University of Miami Chapter, 1986.
- Golden Key National Honor Society, University of Miami Chapter, 1986.
- Third Place, "The South Florida Mansion Competition" organised by The School of Architecture, University of Miami and The Island of Coco Plum, Miami, Florida, U.S.A, 1987.
- Honorable Mention, "Tropical House Competition" organised by AIA South Florida Chapter. 1985
- Tau Sigma Delta Architectural Honor Society, University of Miami Chapter, 1985.

### **VISITING PROFESSOR**

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- Appointment as Visiting Professor of Universitas Brawijaya Indonesia, 3 – 5 October 2018 & 24 – 26 October 2018.

### **KEYNOTE & INVITED SPEAKER**

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- Appointment as Keynote Speaker of 1st International Conference on Environment, Sustainability Issues, and Community Development (INCRID 2019), Diponegoro University, Indonesia, 23 – 24 October 2019
- Appointment as Keynote Speaker of 3<sup>rd</sup> International Conference on Sustainability in Architectural Design and Urbanism (ICSADU 2019), Diponegoro University at Novotel Surakarta Indonesia, 29 – 30 August 2019.
- Appointment as Speaker of Seminar Green Energy for Industry Players, Renaissance Hotel, Johor Bahru, 1 August 2019.
- Appointment as Keynote Speaker of The Third International Conference on Empathic Architecture (ICEA), Petra Christian University, Indonesia, 25 – 27 April 2019.
- Invited Speaker on Architecture Education at Institut Teknologi Nasional Malang, Oktober 2018.
- Invited Speaker on Sustainable Architecture & Planning at Universitas Merdeka Malang, Oktober 2018.
- Appointed as Keynote Speaker of World Education Congress, Mumbai, India, 4 – 7 July 2018.
- Appointment as Keynote Speaker of The International Landscape and Green Development Summit Forum, Hebei, China, 26 – 27 June 2018.
- Appointment as Keynote Speaker of 2nd International Conference on Sustainable Technologies in Building & Environment, Sathyabama Institute of Science and Technology, Chennai, India, 23 – 25 January 2018.
- Appointment as Keynote Speaker of Sustainability Initiatives Case Studies in Malaysia, Philippines & Indonesia (SIMPI 2018), Kuala Lumpur, 11 – 12 December 2018.

- Appointment as Keynotes Speaker 18th International Conference on Sustainable Environment and Architecture (SENVAR) in Surakarta, Indonesia, 5 – 6 September 2018.
- Appointment as Keynote Speaker of the 7<sup>th</sup> International Graduate Conference on Engineering, Science and Humanities (IGCESH 2018), 15 August 2018, Universiti Teknologi Malaysia.
- Appointment as Keynotes Speaker on Sustainability Leadership Program in Asean Community Higher Education Experiential Transformational Learning in Siam Reap, Cambodia, 27-31 October 2015.
- Appointment as Keynotes Speaker on Sustainable Infrastructure, Narotama International Conference on Civil Engineering 2015, Narotama University, Surabaya, November 2015
- Appointment as Keynotes Speaker on Sustainable Buildings in 2nd International Conference on Innovation and Technology for Sustainable Built Environment (ICITSBE 2014), Universiti Teknologi Mara, 27 May 2014
- Appointment as Keynotes Speaker on Sustainable City in the 14th International Conference on Sustainable Environment and Architecture, Aceh, Indonesia, 06 – 10 November 2013
- Appointment as Keynotes Speaker on Green Buildings in 13th SENVAR 2012 (International Conference on Sustainable Environment and Architecture), Duta Wacana Christian University, Yogyakarta, Indonesia, 29 November to 02 December 2012
- Appointment as Keynotes Speaker on Green Building in the 12th Sustainable Environmental Architecture (Senvar), Brawijaya University, Malang, Indonesia, 09 – 12 November 2011
- Appointment as Keynotes Speaker on Sustainable Buildings in SUCOMB UKM, Boulevard Hotel, Mid Valley, Kuala Lumpur 12 October 2009.
- Appointment as Keynotes Speaker on Housing in International Symposium Architecture, Urbanization & Development: Towards Sustainable Cities in Nusantara, Hotel Sibayak International, Brastagi, North Sumatera, 14 May 2008

**Guest Speaker/Lecturer:**

1. **Mohd Hamdan Ahmad**, *Design Thesis*. Invited Guest Lecturer for Final Year Thesis: Design Thesis, International Islamic University Malaysia, July 2009.
2. **Mohd Hamdan Ahmad**, *Kuliah Umum "Introduction to Architectural Research"*, Taylor's College School of Architecture, Building and Design, September 2008.
3. **Mohd Hamdan Ahmad**, *Environmental Sustainable Design and Planning*, Guest Lecture on Sustainable Environmental Design & Planning, PTK-Public Work Department, Universiti Malaya, December 2003.
4. **Mohd Hamdan Ahmad**, *Kuliah Umum "Architecture Education and Studio Teaching in UTM"*, Jurusan Teknik Arsitektur, Fakultas Teknik, Institut Teknologi Malang, Indonesia, 22 August 2007.
5. **Mohd Hamdan Ahmad**, *Kuliah Umum "Building Science"*, Jurusan Teknik Arsitektur, Fakultas Teknik, Universitas Muhammadiyah Surakarta, Indonesia, 5 April 2006.



6. **Mohd Hamdan Ahmad**, *Some Thought on Architecture Education*, Open Lecture as External Examiner, School of Housing Building and Planning, USM, 13 April 2006.
7. **Mohd Hamdan Ahmad**, *Thought on Future Direction of Architecture Education*, 1<sup>st</sup> Malaysian Polytechnic Architecture Workshop hosted by Politeknik Port Dickson, 17 November 2006.
8. **Mohd Hamdan Ahmad**, *Teaching Design in UTM*, 3<sup>rd</sup> Architecture Forum, UTM and Taylor's College, Sheraton Hotel, Subang Jaya, August 12, 2005.
9. **Mohd Hamdan Ahmad**, Opening Hari Produk JKA2005, Jabatan Kejuruteraan Awam Politeknik Port Dickson, 2005.
10. **Mohd Hamdan Ahmad**, *Design Thesis*. Invited Guest Lecturer for Final Year Thesis: Introduction to Design Thesis, International Islamic University Malaysia, Jun 2004.
11. **Mohd Hamdan Ahmad**, *Sustainability and Thermal Comfort*, Guest Speaker Press Conference Launching of Green Acres Orchard & Farm Resort, Eastin Hotel Kuala Lumpur, May 7-9, 2004.
12. **Mohd Hamdan Ahmad**, Ismail Said and Intan Zaharah, *Writing International Journal*, Workshop 'Writing Paper in International Journal', 22-23 November 2006, Universitas Trisakti, Jakarta, Indonesia.
13. **Mohd Hamdan Ahmad**, *Climatic Responsive and Thermal Comfort Design in Housing and Commercial Buildings*, Series on Sustainable Environmental Design Programme, Environmental Friendly and Sustainable Solar Energy Technologies & Thermal Comfort in Housing Design & Construction Seminar by AUSEM, Holiday Villa Subang, Subang Jaya, Selangor, Malaysia, 14 July 2001.

## PUBLICATIONS

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### Book:

1. **Mohd Hamdan Ahmad** and Mohd Tajuddin Mohd Rasdi, *Design Principles of Atrium Buildings in the Tropics*, Penerbit Universiti Teknologi Malaysia, 2000. ISBN 983-52-0180-3.
2. Buku Manual Penarafan Hijau Comprehensive Assessment System for Built Environment Efficiency yang dijenamakan untuk kegunaan tempatan sebagai CASBEE ISKANDAR:
  - CASBEE ISKANDAR for Building, Technical Manual Pilot Version 2016. ISBN 9789671188989.
  - CASBEE ISKANDAR for Urban Development, Technical Manual Pilot Version 2016. ISBN 9789671188965.
  - CASBEE ISKANDAR for City/Municipal, Technical Manual Pilot Version 2016. ISBN 9789671188972.

### Policy Papers

1. Draf Awal RTD Muar 2030 (Penggantian) 2019

2. 70 By 30, A Greener Better Kuala Lumpur, Kuala Lumpur Low Carbon Society Blueprint 2030, Kuala Lumpur City Hall 2018. ISBN 9789671198698.
3. 70 Menjelang 30, Kuala Lumpur Lebih Hijau Lebih Baik, Pelan Induk Masyarakat Rendah Karbon Kuala Lumpur 2030. Dewan Bandaraya Kuala Lumpur 2018. ISBN 9789671198681.
4. Low Carbon Society Blueprint for Iskandar Malaysia 2025, October 2013, UTM Low Carbon Asia Research Centre 2013. Summary for Policy Makers, Second Edition July 2013. ISBN 9789671188903.
5. Open Data Policy for Melaka State, handing over ceremony and launched by Melaka State Government on 2<sup>nd</sup> May 2017.

### Book Chapters:

1. Tetsu Kubota, Mohd Azuan Zakaria, **Mohd Hamdan Ahmad**, Doris Hooi Chyee Toe, Energy-Saving Experimental House in Hot Humid Climate of Malaysia, in Sustainable Houses and Living in the Hot-Humid Climates of Asia, Editors: Tetsu Kubota, Hom Bahadur Rijal, Hiroto Takaguchi, Page 457-471, Springer, Singapore (2018). ISBN 9789811084645.
2. **Mohd Hamdan Ahmad**, Pau Chung Leng, Roshida Abdul Majid, Syed Ahmad Iskandar Syed Ariffin, Mohd Zamani Ahmad, Irina Safitri Zen, Farhana Mohd Razif, Affordable Housing: Open Door House System (ODOORS) as Alternative Prototype for the Urban Poor, in Equity, Equality and Justice in Urban Housing Development, Editors: Adreas Matzarakis, Beta Paramita, UPI Press, Bandung (2018). ISBN 9786025643002.
3. **Mohd Hamdan Ahmad**, Yaik Wah Lim, Syed Iskandar Ariffin, University-industry Research Collaboration on Development of Green Mosque Design (Page 105), Towards the Future of Asia: My Proposal; Best Papers of the 1<sup>st</sup> Asia Future Conference 2013, ISBN 978-4-902928-12-9
4. **Mohd Hamdan Ahmad**, Syed Ahmad Iskandar, 'Sustainability in Built Environment I' (Page 200) published December 2012, ISBN: 978-983-2466-10-9
5. **Mohd Hamdan Ahmad**, *Research Method in Atrium Daylight Design*, in Methodology in Architectural Research. (Page 1-14) Editors: **Mohd Hamdan Ahmad**, Remaz Dilshan Ossen and Khairul Anwar Mohamad Khaidzir. Penerbit UTM, 2008. ISBN 978-983-52-0592-7
6. Agung Murti Nugroho and **Mohd Hamdan Ahmad**. *Use of Computational Fluid Dynamic Simulation in Solar Induced Ventilation Strategies* in Methodology in Architectural Research. (Page 80-112) Editors: **Mohd Hamdan Ahmad**, Remaz Dilshan Ossen and Khairul Anwar Mohamad Khaidzir. Penerbit UTM, 2008. ISBN 978-983-52-0592-7
7. Rumana Rashid and **Mohd Hamdan Ahmad**, *Measuring Indoor Thermal Environment in Traditional Bangladesh House*. in Methodology in Architectural Research. (Page 162-179) Editors: **Mohd Hamdan Ahmad**, Remaz Dilshan Ossen and Khairul Anwar Mohamad Khaidzir. Penerbit UTM, 2008. ISBN 978-983-52-0592-7
8. **Mohd Hamdan Ahmad**, *Students Perspective on Sustainable Tropical Architectural Ideas*, in Alternative – A Design Folio, Editor: Syed Ahmad Iskandar Syed Ariffin, Penerbit UTM 2008. ISBN 978-983-52-0480-7

9. Chia Sok Ling, **Mohd Hamdan Ahmad** and Dilshan Remaz Ossen, *Impact of Solar Radiation on High Rise Built Form in Tropical Climate* In Energy in Buildings – Sustainable Symbiosis, Editors: Azni Zain-Ahmad, Samirah Abdul Rahman and Sulaiman Shaari, University Publication Centre (UPENA), UiTM 2006. ISBN 967-958-206-X
10. Dilshan Remaz Ossen, **Mohd Hamdan Ahmad** and Nor Haliza Madros, *Impact of Solar Shading Geometry on Building Energy Use in Hot Humid Climates with Special Reference to Malaysia* In Energy in Buildings – Sustainable Symbiosis, Editors: Azni Zain-Ahmad, Samirah Abdul Rahman and Sulaiman Shaari, University Publication Centre (UPENA), UiTM 2006. ISBN 967-958-206-X
11. Rumana Rashid Mo and **Mohd. Hamdan Bin Ahmad**. "The passive cooling Effect of Green Roof in High-rise Residential Building in Malaysia". *Sustainable Architecture and Urban Development*, Vol-I, PP 271-282.

#### International Journal:

1. **Mohd Hamdan Ahmad** Low Carbon Society Blueprints and Primitive Attempts of Green Buildings of Existing Buildings, IOP Conference Series: Earth and Environmental Science 402 (1) 012002 (2020)
2. Pau Chung Leng, **Mohd Hamdan Ahmad**, Dilshan Remaz Ossen, Gabriel HT Ling, Samsiah Abdullah, Eeydzah Aminudin, Wai Loan Liew, Weng Howe Chan, The Impact of Air Well Geometry in a Malaysian Single Storey Terraced House, *Sustainability*, Volume 11, Issue 20, Page 5730, Multidisciplinary Digital Publishing Institute (2019)
3. Yaik-Wah Lim, Taki Eddine Seghier, Muhamad Farhin Harun, **Mohd Hamdan Ahmad**, Azurah A Samah, Hairudin Abdul Majid, Computational BIM for Green Retrofitting of Existing Building Envelope, *WIT Transactions on The Built Environment*, Volume 192, page 33-44, WIT Press (2019)
4. Pau Chung Leng, **Mohd Hamdan Ahmad**, Syed Ahmad Iskandar Syed Ariffin, Khairul Anwar, Irina Safitri Zen, Roshida Abdul Majid, Experimental Investigations of the Indoor Thermal Performance of Open Door System (ODOORS) House Prototype in Tropical Climate, 18th International Conference on Sustainable Environment and Architecture (SENVAR 2018), Atlantis Press (2019)
5. Farhana Mohd Razif, **Mohd Hamdan Ahmad**, Leng Pau Chung, The Importance of Roof Thermal Insulation: Awareness among Professionals and Terrace House Occupants, 18th International Conference on Sustainable Environment and Architecture (SENVAR 2018), Atlantis Press (2019)
6. Taki Eddine Seghier, **Mohd Hamdan Ahmad**, Yaik-Wah Lim, Automation of Concrete Usage Index (CUI) assessment using computational BIM, *International Journal of Built Environment and Sustainability*, Volume 6 Issue 1, Page 23-30 (2019)
7. Yaik-Wah Lim, Taki Eddine Seghier, Muhamad Farhin Harun, **Mohd Hamdan Ahmad**, Azurah A Samah, Hairudin Abdul Majid, Computational BIM for Building Envelope Sustainability Optimization, *MATEC Web of Conferences*, Volume 278, Page 04001, EDP Sciences 2019.

8. LA Saba, **Mohd Hamdan Ahmad**, RA Majid, A Yahaya, Material and Assembly Selection: Comparative Analysis of Embodied Energy and Carbon as an Index for Environmental Performance, *Journal of Advanced Research in Materials Science* 44 (1), 1-24 (2018)
9. IA Alkali, U Mohammed, **Mohd Hamdan Ahmad**, I Said, A Practical Design Approach Supporting Family Presence and Participation in Caring for Hospitalised Patients, *Advanced Science Letters* 24 (5), 3785-3790 (2018)
10. TE Seghier, **Mohd Hamdan Ahmad**, LY Wah, WO Samuel, Integration Models of Building Information Modelling and Green Building Rating Systems: A Review, *Advanced Science Letters* 24 (6), 4121-4125 (2018)
11. AS El-Nafaty, **Mohd Hamdan Ahmad**, M Hamid, Perspectives on Naturally Ventilated Library (NVL) Buildings in Nigeria, *Advanced Science Letters* 24 (6), 4312-4317 (2018)
12. YW Lim, HA Majid, AA Samah, **Mohd Hamdan Ahmad**, DR Ossen, MF Harun and F Shahsavari, BIM and Genetic Algorithm Optimisation for Sustainable Building Envelope Design, *International Journal for Sustainable Development and Planning* 13 (1) page 151-159, (2018)
13. TE Seghier, **Mohd Hamdan Ahmad**, YW Lim, SO Williams, BIM-Based Tool for Sustainability Assessment and Certification Documents Provision, *World Academy of Science, Engineering and Technology, International Journal of Architectural and Environmental Engineering*, Volume 4 (2017)
14. CO Folorunso, **Mohd Hamdan Ahmad**, DO Akingbohunge, Synthesis of Environmental Behaviour due to Cultural Dynamics in a Locality, *British Journal of Environmental Sciences* 5 (1), 27-38 (2017)
15. TE Seghier, YW Lim, **Mohd Hamdan Ahmad** and WO Samuel, Building Envelope Thermal Performance Assessment Using Visual Programming and BIM, based on ETV requirement of Green Mark and GreenRE, *International Journal of Built Environment and Sustainability* 4 (3) 2017
16. CO Folorunso, **Mohd Hamdan Ahmad**, and DO Akinbohunge, Synthesis of Environmental Behaviour due to Cultural Dynamics in a Locality, *British Journal of Environmental Sciences* 5 (1), Page 27-38, 2017
17. FM Bashir, **Mohd Hamdan Ahmad**, AU Sale, A Abdullahi and AS Aminu, Fundamental Element for Sustainable Design, *Indian Journal of Science and Technology* 9 (46) 2016
18. ENA Said, **Mohd Hamdan Ahmad**, M Hamid and WI Enegbuma, A User's Satisfaction on the Environmental Performance of Naturally Ventilated Library: a Structural Equation Modeling Approach, *Indian Journal of Science and Technology* 9 (46) 2016
19. A Shafaghat, A Keyvanfar, MZA Majid, HB Lamit, **Mohd Hamdan Ahmad**, MS Ferwati and SK Ghosal, Methods for Adaptive Behaviour Satisfaction Assessment with Energy Efficient Building Design, *Renewable and Sustainable Energy Reviews*, Volume 57 Pages 250-259, Pergamon 2016
20. Mohd Zamani Ahmad, **Mohd Hamdan Ahmad**, Nur Hanani Ahmad Azlan, Asmawi Abdul Malik, Ahmad Faizal Ahmad Fuad, *Journal of Manufacturing, Standard Specifications For Design Concepts Of Megafloats Forlong Term Habitation*, Vol. 2, pages 374-378, February 2015
21. Lim Yaik Wah, **Mohd Hamdan Ahmad**, *Journal of Indoor And Built Environment, The Effects Of Direct Sunlight On Light Shelf Performance*

- Under Tropical Sky*, Vol. 24, Issue 6, Pages 788-802, October 2015, ISBN 1420326X.
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76. Rumana Rashid, **Mohd Hamdan Ahmad** and Md Sayem Khan. *Sustainable Design: Traditional Courtyard in Hot Climate*, The 5<sup>th</sup> SEATUC Symposium, 24-25 February 2011, Hanoi University of Technology, Hanoi, Vietnam.
77. Rumana Rashid, **Mohd Hamdan Ahmad** and Md Sayem Khan. *Sustainable Building Design Principle and Practice in Bangladesh*, The 5<sup>th</sup> SEATUC Symposium, 24-25 February 2011, Hanoi University of Technology, Hanoi, Vietnam.
78. Rumana Rashid, **Mohd Hamdan Ahmad** and Md Sayem Khan. *The Mashjid as Architectural Heritage: Sustainability Study of Traditional Mashjid Construction in Bangladesh*, The 5<sup>th</sup> SEATUC Symposium, 24-25 February 2011, Hanoi University of Technology, Hanoi, Vietnam.

#### National Seminar Papers:

1. **Mohd Hamdan Ahmad**. *Ideas from Studio*, Highrise and Sustainability, 20 October 2010, Institute Sultan Iskandar, Main Hall, Universiti Teknologi Malaysia, Kuala Lumpur.
2. Agung Murti Nugroho and **Mohd Hamdan Ahmad**. "Towards Development of Tropical Solar Architecture: The Use of Computational Fluid Dynamic for Solar Chimney Simulation." NSEB 2005 – National Seminar on Energy in Buildings, UiTM, Shah Alam, May 10-11, 2005.
3. Dilshan Remaz Ossen, **Mohd Hamdan Ahmad**, and Nor Haliza Madros (2005). "Impact Of Solar Shading Geometry On Building Energy Use In Hot Humid Climates With Special Reference To Malaysia." NSEB 2005 – National Seminar on Energy in Buildings, UiTM, Shah Alam, May, 10-11, 2005.
4. Chia Sok Ling, **Mohd Hamdan Ahmad**, and Dilshan R Ossen, *Impact of Solar Radiation on High-Rise Built Form in Tropical Climate*, NSEB 2005 – National Seminar on Energy in Buildings, UiTM, Shah Alam, May 10-11, 2005.

5. Abdul Razak Sopian, **Mohd Hamdan Ahmad** and Nor Haliza Madros, *Computer Simulation: An Alternative Method in Studying Natural Ventilation at High-Rise Building due to Urban Wind Condition*, Integrated Energy Building Design Seminar organized by Centre for Education and Training in Renewable Energy & Energy Efficiency (CETREE), Public Works Department Headquarters, Kuala Lumpur, 22-23 October 2002.
6. Gurupiah Mursib, **Mohd Hamdan Ahmad**, and Zainul Hakim Mohd Zain, *Pengubahsuaian Rekabentuk Chalet dan Persekitarannya: Meningkatkan Rekabentuk Chalet dan Persekitaran Pusat Peranginan Bertaraf Sederhana dan Rendah*. Kursus Peningkatan Kecekapan Pengusaha Chalet and Budget Hotel Anjuran Kementerian Kebudayaan dan Pelancungan Malaysia di Endau Beach Resort, Penyabong, Endau, Johor 26-30 Sept 1999.

#### OTHER CONFERENCE/SEMINAR/FORUMS

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- 1st International Conference on Environment, Sustainability Issues, and Community Development (INCRID), Semarang Indonesia, 23 – 24 Oktober 2019.
- International Education Forum, 16 March 2019, Tunku Abdul Rahman University, Kuala Lumpur.
- Malaysia Urban Forum (MUF), KLCC, 18 – 19 February 2019.
- 9<sup>th</sup> World Urban Forum, KLCC, 7 – 13 February 2019.
- The 18<sup>th</sup> International Conference on Sustainable Environment and Architecture (SENVAR), 5 – 6 September 2018, Surakarta, Indonesia.
- The 7<sup>th</sup> International Graduate Conference on Engineering, Science and Humanities (IGCESH 2018), 15 August 2018, Universiti Teknologi Malaysia.
- 9<sup>th</sup> UTM University Presidents Forum, 8 – 9 August 2017, Univeristi Teknologi Malaysia.
- 8<sup>th</sup> UTM University Presidents Forum, 9 August 2016, Univeristi Teknologi Malaysia.
- Seminar Sinergi Rakyat- Kerajaan Malaysia 2015 (SSRKM2015), 17 December 2015, UTM Kuala Lumpur
- International Joint-Conference Senvar-Inta-Avan 2015, 24 – 26 November 2015, Universiti Teknologi Malaysia
- International Conference on Civil Engineering (NICCE) 2015
- International Conference of Low Carbon Asia (ICLCA), Double Tree Hotel, Johor Bahru, 11 – 12 October 2015
- 4<sup>th</sup> Annual Meeting of LoCARNet (Low Carbon Asia Research Network), Double Tree Hotel, Johor Bahru, 11 – 12 October 2015
- UTM University Presidents Forum 2015, Universiti Teknologi Malaysia, 12-14 May 2015
- 6<sup>th</sup> High Level Seminar on Environmentally Sustainable Cities, Thistle Johor Bahru, 9-10<sup>th</sup> February 2015
- International Forum on 'Future City' Initiative in Malaysia, Thistle Johor Bahru, 8<sup>th</sup> February 2015

- 2nd International Conference On Innovation And Technology For Sustainable Built Environment (ICITSBE 2014), Universiti Teknologi Mara, 27 May 2014
- 2nd World Conference On Islamic Thought & Civilization Contemporary States Of Muslim Affairs, Casuarina@Meru, Ipoh Perak, 18-19 August 2014.
- International Conference: Green Architecture For Sustainable Living and Environment, 29 November 2014, Bali
- International Conference on Sustainable Urban Design for Liveable Cities (SUDLiC 2014), UTM Kuala Lumpur, 11-12 November 2014
- Regional Holcim Awards Ceremony 2014 for Asia Pacific, Jakarta, 12 – 15 November 2014
- International Conference: Emerging Trends For Sustainable Development And human Capacity Building In The Third World Nations, Scholarlink Research Institute, 28-31 May 2014
- The 14th International Conference On Sustainable Environment And Architecture, Aceh, Indonesia, 06 – 10 November 2013
- 1st Asia Future Conference, Bangkok Thailand, 07- 11 March 2013
- 13th SENVAR 2012 (International Conference on Sustainable Environment And Architecture), Duta Wacana Christian University, Yogyakarta, Indonesia, 29 November to 02 December 2012
- Inside Investor Forum Asia 2012, Doha, Qatar, 07- 10 October 2012
- NAFSA 2012 Annual Conference Dan Expo, Houston, Texas, United States of America, 26 May 2012 04 June 2012
- THE 12TH Sustainable Environmental Architecture (Senvar), Brawijaya University, Malang, Indonesia, 09 – 12 November 2011
- World Academy Of Science, Engineering And Technology: ICEESD2011: International Conference On Ecosystems, Environment And Sustainable Development, Venice, Italy 26 November to 04 December 2011

#### **EXTERNAL EXAMINER/MODERATOR PROGRAM**

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- External Examiner for Bachelor of Science (Honours) in Architecture and Master of Architecture, Taylors University from 2 July 2019 – 1 July 2020
- Panel Reviewer for Kenaikan Pangkat ke Jawatan Profesor Madya, Universiti Putra Malaysia, 26 Oktober 2018 – 31 Ogos 2021 .
- External Examiner for Postgraduate Programs UIKL from 2018 - present
- External Examiner for Master of Science in Green Architecture, UiTM Perak at Seri Iskandar from 2017 - present
- External Examiner for Master of Architecture, UCSI University from 2017- present
- External Examiner for Master of Architecture, Taylors University from 2016 - present
- External Examiner for Bachelor of Science (Hons) Architecture, Universiti Tunku Abdul Rahman, Kuala Lumpur, 2015 - present
- External Assessor-Master of Architecture (MQA/PA4224), UCSI University, Kuala Lumpur, 2015



- External Reviewer for Dr. Ng Foong Peng, Veronica as Senior Lecturer and Deputy Dean for Architecture & QS School Of Architecture, Building and Design to the rank of Associate Professor, Taylor's University, 2015
- External Examiner for the Bachelor of Science in Architecture (Honours) Programme year 2014/2015 for Kolej Universiti Tunku Abdul Rahman (TARC), 2014 - present
- External Examiner for Doctoral Thesis Examination Universiti Malaya 2014
- External Reviewer for Senior Lecture and Deputy Dean for Architecture & QSA School of Architecture, Building and Design, Taylors University, Jan 2015
- Appointed as a Panel Review for Agensi Kelayakan Malaysia, MQA from 4 July 2014 to 31 July 2017.
- External Examination for Bachelor of Science (Honours) in Architecture, Taylors University from 24 July 2014 to 25 July 2014.
- External Examiner for Bachelor of Science in Architecture, Universiti Tunku Abdul Rahman, from 21 April 2014.
- Panel Reviewer for GreenRE Manager's Course, March 2014, 1<sup>st</sup> Intake, GreenRe, Wisma Redha Kuala Lumpur
- Panel Reviewer for GreenRE Manager's Course, July 2014, 2<sup>nd</sup> Intake, GreenRe, Wisma Redha Kuala Lumpur
- Panel Reviewer for GreenRE Manager's Course, September 2014, 3<sup>rd</sup> Intake, GreenRe, Wisma Redha Kuala Lumpur
- External Examination for Bachelor of Science (Hons) in Architecture, Taylors University, March 2014
- External Examination for Bachelor of Science (Hons) in Architecture, Taylors University, 24-25 July 2014
- Panel Reviewer for '*Mesyuarat Panel Penilai Kesepakatan Bagi Kenaikan Pangkat ke Jawatan Profesor Madya (DS54)*', Universiti Teknologi Malaysia, Skudai
- Panel Reviewer for '*Kenaikan Pangkat ke Jawatan Profesor*', Universiti Teknologi Malaysia, Skudai
- External Reviewer for promotion to the rank of Associate Professor, to the position as Senior Lecturer and Deputy Dean for Architecture & QS in School of Architecture, Building & Design, Taylors University, January 2015
- Appointed as a Chairman for '*Program Syarahan Perdana Profesor Siri ke-58*', Universiti Teknologi Malaysia, Skudai Johor
- External Examination for Bachelor of Science (hons) In Architecture, March 2014 Semester, Taylor's University
- External Moderator for Bachelor Of Science (Hons) Architecture, UTAR, 2013/2014
- External Moderator for BSc in Architecture, Taylor's University College, Lakeside Campus, July 2010.
- External Examiner for MSc in Architecture - UPM, 2010.
- Board of Studies for Architecture Programme, Kuala Lumpur Infrastructure University College (KLIUC), 2010-2012.
- Board of Studies, Kuliayah Architecture and Environmental Design, Universiti Islam Antarabangsa Malaysia (IIUM), 2009-2011.
- External Examiner for MSc in Architecture - Housing, School of Housing Building and Planning, USM, 2010.

- External Examiner for PhD in Architecture, Department of Architecture, Curtin University of Technology, Perth 2008.
- External Examiner for PhD in Architecture - Housing, School of Housing Building and Planning, USM, 2008.
- External Examiner for PhD in Allied Arts, Arts Centre, USM, 2007.
- External Moderator for Diploma in Architectural Technology, Taylor's College, Petaling Jaya Campus, December 2006.
- External Moderator for Diploma in Architectural Technology, Taylor's College, Petaling Jaya Campus, May 2006.
- External Moderator for Diploma in Architectural Technology, Taylor's College, Petaling Jaya Campus, December 2005.
- External Assessment Panel, Final Year Thesis, UIAM, May 2005.
- External Assessor for Final Year Design Thesis International Islamic University Malaysia, session 2003-2004.
- External Examiner for Architecture Program, Department of Architecture, School of Housing Building and Planning, USM, 2005-2006.
- External Examiner M.Sc in Architecture, Universiti Malaya, 2004.

## **POSTGRADUATE EXAMINATION**

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- Modi Sule Zango, Doctor of Philosophy, Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia, Viva 14 Ogos 2019. Role : Internal Examiner
- Mohd Hafizal bin Hanipah, Doctor of Philosophy, Universiti Tun Hussein Onn Malaysia, Viva Examination : 21 April 2019. Role : External Examiner
- Shaza Rina binti Sahamir, Doctor of Philosophy, Faculty of Engineering, Universiti Teknologi Malaysia. Viva Examination : 5 Mei 2019. Role : Internal Examiner
- Farzaneh Moayedi, Doctor of Philosophy, Universiti Teknologi Petronas, Title Thesis : Development of Environmental Management System Computational Model for Optimized Best Design Practices in Malaysian Construction Industry, Viva 12 April 2019. Role : External Examiner
- Olutobi Gbenga Ayegbusi, Doctor of Philosophy, Title Thesis : Double Skin Facade Overall Thermal Transfer Value Correction Factor in Hot-Humid Climate, Viva Examination : 9 January 2019. Role : Internal Examiner
- Tan Yu Tian, Doctor of Philosophy, Faculty of Built Environment and Surveying, Title Thesis : Incorporation the evidence-Based Approach into Healthcare Environment for the Well-Being of Patients. Role : Internal Examiner
- Md Zaman Hossain, Master of Philosophy, Kulliyah of Architecture and Environmental Design International Islamic University Malaysia, Title Thesis : Universal Design Approach of Mainstream Primary Schools for the Children with Disabilities (CwDs) in Bangladesh : A Study in Naogaon District, Rajshahi Division. Viva Examination : 20 August 2018. Role : External Examiner.
- Ahmad Abdullmottaleb AlGadi, Doctor of Philosophy, Universiti Tun Hussein Onn Malaysia, Viva Examination : 12 Ogos 2018. Role : External Examiner

- Fadli Arabi, Doctor of Philosophy, Faculty of Built Environment, Title Thesis : Discomfort Glare From External Obstruction of Office Window Opening, Viva Examination : 4 April 2018. Role : Internal Examiner
- External Examiner PhD Research Scholar, Mrs.A.Madhumathi titled, "Thermal Performance Evaluation of roofs of Residential buildings in Warm Humid Regions of India" at Architecture Department, Thiagarajar College of Engineering, Madurai-625015. Tamilnadu, India.
- Mohamed Salem Obaid Bakhlah, Doctor of Philosophy, Faculty of Housing Building Planning; Tittle Thesis: Building Envelope Design for Enhanced Indoor Air Temperature in Hot and Dry Climate, Yemen; Universiti Sains Malaysia; Role: External Examiner, 2015
- Danial Goshayeshi, Master of Science, Title Thesis: Human Thermal Comfort Differences Between Installing Polycarbonate and Opaque Roofing Materials in Bust Stop of UPM; Universiti Putra Malaysia. Role: External Examiner
- Noraini Ahmad, Faculty Architecture, Planning and Surveying; Title Thesis: Control of Daylight and Artifacts Display and Placement in Historic Museum Galleries; Universiti Teknologi Mara. Viva Examination: 1 August 2013. Role : External Examiner
- Kong Seng Yeap, Faculty of Built Environment, Title Thesis: The Physical Environment As a Three Dimensional Textbook for Environmental Education in Malaysian Primary School; University Malaya. Viva Examination: 26 June 2013. Role: External Examiner
- Mohammed Saif Mohammed Al-Rubih, Doctor of Philosophy, Architecture Department, Faculty of Engineering and Built Environment. Thesis Title: Effect of Various Shapes and Geometries of Tooplighting Systems. Viva Examination: 7 February 2014. Role: External Examiner
- Julitta Yunus, Doctor of Philosophy, Faculty of Architecture, Planning and Surveying, Universiti Teknologi Mara, 2014. Role: External Examiner
- Azman Hussin, Universiti Kebangsaan Malaysia; Viva Examination: 25 August 2014. Role: External Examiner
- Hamed Niroumand, Doctor of Philosophy, Architect Department, Faculty of Engineering and Built Environment; Thesis Title: Assessment of the Requirement of Earth Architecture and Earth Buildings, Universiti Kebangsaan Malaysia, Viva Examination on 29 May 2014. Role: External Examiner
- Mohammad Javad Ganji Saffar, Doctor of Philosophy, Universiti Sains Malaysia, Viva Examination on 8 September 2014. Role External Examiner
- Loo Kok Hoo, Doctor of Philosophy, Architect Department, Thesis Title: The Potentials of Wood Wool Cement Panels as an Alternative Building Materials in Malaysia, Universiti Putra Malaysia, Viva Examination on 20 October 2014; Role: External Examiner

## STUDENT SUPERVISION ACTIVITIES

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### Graduated Master (by Research) Students

1. Steven Ushahemba Angya, Typomorphological Development Around Mass Rapid Transit Station in Kuala Lumpur, Malaysia (2016), Master Of Philosophy, UTM 2020
2. Nik Nurul Hana Binti Hanafi, Perception of Flood Victims Towards Housing Reconstruction After 2014 Flood in Kuala Krai, Kelantan, 2018, M.Arch.
3. Malsiah Abdul Hamid, The Effectiveness of Natural Ventilation in Standard School Classroom Design in Malaysia, 2002. M.Arch (Co-supervisor: Mdm. Gurupiah Mursib).
4. Roshida Abdul Majid, Post Construction Evaluation of Children's Play Therapy Garden at Segamat Hospital, Johor Darul Takzim, 2002. M.Arch (Co-supervisor: Assoc. Prof. Ismail Said).
5. Chia Sok Ling, Minimising Solar Insolation in High Rise Building Through Self-Shaded Form (2007). MArch.
6. Ar. Hong Lim Foo, Architecture Education (2008). MArch.
7. Rumana Rashid, Thermal Performance of Bangladesh Traditional House (2008), MArch. (Co-supervisor: Dr Dilshan Remaz Ossen)
8. Dorris Toe Hooi Chyee, Night Ventilation Technique for Terraced Houses in Hot Humid Climate of Malaysia (2008), MArch. (Co-supervisor: Dr Muhammad Tetsu Kubota).
9. Abol Ghassem Highrise Pyramidal Superstructure System (2011), MArch
10. Muhammad Abdullah Al Sayem Khan, Thermal Behaviour of SME Factories in Bangladesh (2012), MArch
11. Zulfadhli Ismail, Workplace environment and comfort of JSNAC (2013) MArch
12. Farhana Mohd Razif, Use of Insulation Materials in Malaysia Residential Buildings (2015) MArch
13. Muhammad Akmal Hakim Bin Hishammuddin, Local Governments Buildings Energy Efficiency Towards Carbon Emission Reduction In Iskandar Malaysia, MPhil, UTM 2014
14. Siti Norazimah Bachok, Indoor Conditions and Thermal Performance of Multi Dwelling Unit, (2017 – under correction) MPhil (Co Supervisor: Dr Samira Abd Rahman)

### Graduated PhD Students

1. Taki Eddine Seghier, Building Information Modelling-Based Approach for Aspects of Green Building Evaluation, Doctor of Philosophy UTM 2019
2. Turki Abdulaziz Ali Alahmadi, A Construction Group-Based Teaching Module to Improve Creative Thinking in Art Education Among Primary Schools Students in Saudi Arabia, Doctor of Philosophy UTM 2019
3. Abbas Sa'id El-nafaty, Environmental Performance of Naturally Ventilated Library Building in Bauchi, Nigeria, Doctor of Philosophy UTM 2018
4. Liman Alhaji Saba, Sustainable Construction Materials and Assemblies for Nigerian Low Cost Housing Projects, Doctor of Philosophy UTM 2018

5. Faizah Mohammed Bashir, Architectural Design Studio Pedagogy For Translating Environmental Sustainable Elements, Doctor of Philosophy UTM 2018
6. Maleek Tassaduque, Social Sustainability of Masjid, PhD UTM 2017
7. Leng Pau Chung, Natural Ventilation Performance of Air Welled Single Storey Terrace House, PhD UTM 2017
8. Behrang Moradi, Adults Social Interaction In In-Between Places in Highrise Residential Building in Teheran Iran, PhD, UTM 2016
9. Mehdi Hanafi Koumleh, Water Temperature Exchange Home Cooling In Hot Humid Climate, Doctor Of Philosophy, UTM 2015
10. Hadi Bagheri Sabzevar Energy Use in the Courtyard Houses In the Seasonal Movement Lifestyle in Yazd Iran, Doctor Of Philosophy, UTM 2015
11. Alkali Ibrahim Abubakar, Design Framework For Familial Caregiving Provision In Nigerian Hospital Wards, Doctor Of Philosophy, UTM 2015
12. Malsiah Abdul Hamid, Sustainable Issues in Architecture Education, (2012), PhD.
13. Rumana Rashid, Green Roof Performance of Bangladesh House (2011), PhD.
14. Mitra Ghafourian, Social Sustainability in Iranian Modern Housing (2010), PhD.
15. Lim Yaik Wah, Simplified Design Method for Optimum Shading, Daylighting and Energy Efficiency in Office Building in Hot Humid Tropics (2013), PhD.
16. Asal Kamani Fard, Post Bam Earthquake Sustainable Cultural Identity Expression in New Housing (2012), PhD.
17. Danny Santoso Mintorogo, Hidrophonic Roof System (2014), PhD
18. Feryal Rezaeemood, Bio-mimicry Architecture for Low Energy and Environmental Friendly, (2014) PhD
19. Omid Khabiri, Sustainable Acoustic Design in Mosque, (2014) PhD
20. Folorunso Clement Oluwole Building Exterior Paint Performance In Tropical Salty Environment Of Lagos, Doctor Of Philosophy, UTM 2014
21. Mohammad Baharvand , Natural Ventilation Performance Of Double Skin Facade And Solar Chimney In Hot And Humid Climate, Doctor Of Philosophy, UTM 2014
22. Roshida Abdul Majid, Windows and View in Terrace Housing in Malaysia, (2010), PhD.
23. Agung Moortie Nugroho. Solar Chimney for Forced Ventilation in Low Rise Residential Building (2007). PhD.
24. Remaz Dilshan Ossen, Energy Efficient Office Building: The Optimum Relationship Between Daylighting and Heat Penetration in Tropical Climate (2005). PhD (Co-supervisor: Assoc. Prof. Dr. Nor Haliza Madros).
25. Muhamad Syarif Hidayat, Pembangunan Program Tropik untuk Simulasi Pembolehubah Bumbung Terhadap Keselesaan Dalaman di Malaysia (Development of Program 'Tropik' for Simulation of Roof Variables on Indoor Comfort in Malaysia), 2004. PhD (Co-supervisor: Prof. Dr. Md. Najib Ibrahim).
26. Abdul Razak Sapian, 2003. Possibilities of Using Void to Improve Natural Cross Ventilation in High Rise Low Cost Residential Building, PhD (Co-supervisor: Assoc. Prof. Dr. Nor Haliza Madros).

### **Supervisor to Non Graduating (NGS) PhD and Master Students**

1. Jahanbaksh, *Sustainable Architecture and Development in Iran*, Non Graduating Student PhD (IUST-Iran) 2008-2009
2. Jono, *The Effect of Tree Canopies and Leaves on Urban Temperatures in Major Open Spaces in Indonesia*, Non Graduating Student PhD (UNDIP-Indonesia) 2008
3. Jeong, *Energy Audit Studies in Selected Malaysian Housing Types*, Non Graduating Student MSc (Hiroshima University, Japan) 2009

### **Supervisor to Current PhD and Master Students**

1. Abubakar Sadiq Mahmoud, *Conceptual Model for Building Developer & Contributions and Commitment To Safety Performance In The Nigerian Construction Industry*, PhD, 2018 - present
2. Ahmad Shuib Bin Yahya, *Comparative Pattern of Spatial Visibility And Stationary Activity In Malay Traditional And Low- Income Houses*, PhD, 2019 - present
3. Muhammed Abdullah Al Sayem Khan, *Health and Safety of Fabric Factories in Bangladesh*, PhD, 2014 – present
4. Ar Samsiah binti Abdullah, *Affordable Housing*, PhD, 2019 – present.
5. Ar Noraslinda binti Abdul Rahman, *Architecture as Tourist Product in Johor Bahru*, PhD, 2019 – present.
6. Amirul Haffiz bin Ariff, *Land Management and Administration*, PhD, 2019 (2<sup>nd</sup> Supervisor)
7. Suhailizan binti Suliman, *Land Management and Administration*, PhD, 2019 (2<sup>nd</sup> Supervisor).

### **Publication Referee/Assessor:**

1. Invited Referee for MASSA Journal, Taylors University 2010-2011
2. Advisory Board and Referee 2010 for Jurnal Dimensi – Journal of Architecture and Built Environment, CPU Surabaya
3. Assessment Panel for Published Papers in National Journal for Anugerah Hari Penerbitan Universiti 2002 (in Architecture).
4. Invited Referee for Jurnal HBP, USM.
5. Invited Assessor for USM's Publication.
6. Invited Referee for Jurnal Teknologi, UTM.
7. Invited Referee for Journal of Construction and Housing in Developing Countries, USM.
8. Invited Referee for Built Environment Journal UiTM.
9. Invited Referee for Environment Journal, UMT

### **National Panel/Professional Membership:**

1. Professional Technologist – Lembaga Teknologis Malaysia (PT18070400)
2. Certified Green Building Index Facilitator (GBIF/0597)
3. Certified GreenRe Manager (GREM0149)

4. Member of GreenRE Advisory Committee (GREAC)
5. Graduate Architect LAM AG/M 426
6. Member of Majlis Profesor Negara (MPN0087)
7. Member of Malaysia Green Building Confederation (AD0225)
8. Lembaga Akreditasi Negara
9. Malaysian Structural Steel Association
10. Malaysian Invention and Design Society
11. Malaysian Energy Institute
12. Halatuju Senibina Malaysia (Malaysia Architecture Direction)

**Panel Jury/Judges:**

1. Pengerusi Panel Anugerah Majlis Citra Karisma 2019 – Anugerah Seni & Kreativiti' Universiti Teknologi Malaysia.
2. Green Accord Initiative Award (GAIA 2018/2019)
3. Ahli Panel Anugerah Buku Karya Asli 2018.
4. Green Accord Initiative Award (GAIA) Iskandar Malaysia IRDA 2017
5. Green Accord Initiative Award (GAIA) Iskandar Malaysia IRDA 2016
6. The Iskandar Malaysia accolades (TIMA) Iskandar Malaysia IRDA 2016
7. Jury Panel for Affordable Housing Design Competition, Pertubuhan Arkitek Malaysia (PAM), PAM Centre, Kuala Lumpur, 8 December 2014
8. Jury of the International Green Environment and Building Workshop, Universiti Teknologi Malaysia, 29 October 2014.
9. Jury for Johor International Orchid Festival 2006, 25 May 2006, Johor Orchid Association, Majlis Bandaraya Johor Bahru and Pejabat Lanskap Negeri Johor.
10. 'Endau-Rompin Photo Challenge', 10 August 2003, Perbadanan Taman Negara (Johor).
11. Johor International Orchid Festival 2003, 28 August 2003, Johor Orchid association, Majlis Bandaraya Johor Bahru and Pejabat Lanskap Negeri Johor.
12. PAM Southern Chapter Architectural Awards 2003, 1 August 2003, Pertubuhan Arkitek Malaysia Cawangan Selatan.

**Portfolio Review in Architecture and Allied Design:**

1. Appointed as a Design Portfolio Review Examiner, Universiti Teknologi Malaysia, May to December 2014
2. Portfolio Review Panel, Architect Department, Built of Environment, Universiti Teknologi Malaysia semester 1, 2014/2015.
3. Portfolio Review Panel, Architecture Department, Taylor's College, Petaling Jaya Campus, December 2006, 2007 and 2008.
4. Portfolio Review Panel, Architecture Department, Department of Architecture, International Islamic University Malaysia, 2005.
5. Portfolio Review Panel, Architecture Department, Department of Architecture, International Islamic University Malaysia, 2004.
6. Review and Forum Design Thesis, Department of Architecture, International Islamic University Malaysia, 2003

7. Portfolio Review Panel, Architecture Department, Universiti Putra Malaysia 2003/2004.
8. Portfolio Review Panel Session May-October 2003, 15 September 2003, Architecture Department, Universiti Kebangsaan Malaysia.

## **RESEARCH WORK**

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1. Long Term Research Grant Scheme (LRGS) MRUN-2019-001/3, New Housing Development Concept for B40 in Malaysia Based on Social-Spatial and Economic Integrations.
2. UTM-TDR47: Modular Coordination and Waste Valorisation Towards Achieving Sustainable Housing (RM212,000.00) 01.12.2018 – 30.11.2020.
3. UTM-TDR47.3(T1): Validation of Open Door House System (ODOORS) from Thermal Comfort Perspective (RM52,000.00) 01.02.2018 – 30.11.2020.
4. Nichias Corp Japan Sponsored Research on Insulation, Energy Efficiency and Thermal Comfort Study in Hot-Humid Tropics, with University of Hiroshima (RM580,165.00) 01.01.2012 – 31.12.2016.
5. Smart Shading Device for Building Energy Saving in the Tropics (RM130,000.00) 01.04.2011 – 31.03.2013.
  - o Post Doctoral Dr Lim Yaik Wah: Smart Internal Shading Prototype for Tropical Daylighting and Energy 01.02.2012 – 31.05.2012.
6. Simplified Design Tools for Optimum External Shading Towards Energy Efficiency in Hot Humid Tropic (RM130,000.00) 01.10.2008 – 30.09.2010.
7. MIT UTM Malaysia Sustainable Cities Program, Post Doctoral Research Fellowship (2014-2018) RM20,000,000.00
8. Expert review and feasibility study for transformation of AKEPT, ISI-AKEPT, RM180,000.00 (2016)
9. Research project on hydrodynamic simulation within port limit of Port of Tanjung Pelepas and establishment of Johor Port Authority (Tanjung Pelepas)marine data centre (mdc)(jpa)(tp)(mdc), JPA RM1,400,000.00 (2015)
10. Prototype Development Research Grant Scheme - Door House for the Poor, KPT, RM200,000.00 (2015)
11. Newton institutional link fund: building local capacity in understanding, analyzing and visualizing big data in Malaysian cities in Malacca, Newton Ungku Omar Fund, RM254,000.00 (2015)
12. BIM-based process-driven decision making for sustainability, MOSTI RM97,000.00 (2014)
13. BIM-GBI model development integrating building information modelling and green building certification in Malaysia KPT RM93,200.00 (2014)
14. Current status of green growth in organisation of Islamic Conference OIC, KPT RM84,000.00 (2014)
15. Indeks Syariah Malaysia Bidang Prasarana & Persekitaran, Jabatan Kemajuan Islam Malaysia, RM90,000.00 Putrajaya; 2015
16. Comprehensive Passive Cooling Techniques for Terraced Houses in Hot-Humid Climate of Malaysia: Construction of Experimental Houses in UTM



- Skudai Campus, 2012/15; (RM293,419.00), RM580,165.00, Nichias Corporation, Japan
17. Centre of Excellence Towards JKR as A World Class Service Provider, 2013/14; RM1,800,000.00, Jabatan Kerja Raya (JKR) Malaysia.
  18. Research & Development of Green Technology Integration in The Proposed New Nongchik Heights Mosque (Masjid Lestari), Jalan Kolam Ayer, Johor Bahru, 2012/13; RM362,078.00, Mudra Tropika Sdn Bhd.
  19. Collaboration On Area And Subjects Pertaining To Development Of Malaysian People Satisfaction Index (MPSI), Yayasan Sumber Maklumat, RM1600000.00
  20. *Retrieving And Recording The History of Tampoi Leprosarium, Johor*, 2013/14; RM55,010.00, Sasakawa Memorial Health Foundation.
  21. *Searching and Identifying the Surviving Historical Remnants of Pulau Jerejak Leprosy Settlement: A Site Inventory*, 2013/14; RM59,500.00, Sasakawa Memorial Health Foundation.
  22. Development, Education And Training Collaboration Sudan, Roads, Bridges And Drainages Corporation, RM135000.00, 2014
  23. Draft-1 of The Green Technology Blueprint for the OIC Member Countries, 2013/2014, RM211,200.00 Islamic Development Bank, Jeddah, Kingdom of Saudi Arabia
  24. Projek JAR 1001- *\*Study On Comfortable and Energy Efficient Government's Office Building Design\** 2010 AP Dr Mohd Zin Kandar (Team Leader)
  25. *Shape Grammar of Green Building and Sustainable Building in Malaysia*, UTM Short Term Grant 2010 Vot 77238 Sub Code RJ13000077213T39
  26. *Simplified Design Method for Optimum Shading, Daylighting and Energy Efficiency in Office Building in Hot Humid Tropics* IRGS UTM, 2008-2010.
  27. *Tropical Building Design principles for Comfortable Indoor*, Dr Remaz Dilshan Ossen (Team Leader) and Roshida Abd Majid. 2007-2008, FRGS Vot 78158.
  28. *Thermal Comfort in Existing Terraced Houses in Malaysia : Energy Saving Strategies to Reduce the Use of Airconditioners*, Sumitomo Foundation 2006-2008, Vot 73712.
  29. *Comfortable Housing Model in New Housing PPRT for Orang Asli*, FRGS 2006-2007, Vot 78002.
  30. *Comfortable House for JHEOA – PPRT (RM 15000.00 – RM17000.00)*, JV with PKLB UTM (with Prof Dr Sharifah and Roshida Abd Majid), 2006.
  31. *Johore State New Administrative Centre, Parcel C3S, Design Concept and Development*, UTSB Contract Research, Vot\_\_\_, 2005. JV KALAM-IMAAR Architect Johor Bahru,
  32. *Towards Development of Tropical Solar Architecture: The Use of Solar Chimney as Stack Induced Ventilation Strategy*, IRPA grant, Vot 74217, 2003. PM Dr. Mohd Hamdan Ahmad (Team Leader), Md. Rajeh Salleh and Hong Lim Foo.
  33. *Flexible and Competitive Architectural Curriculum*, UPP-UTM grant, Vot 71999, 2003. PM Dr. Mohd. Hamdan Ahmad (Team Leader), Dr. Syed Iskandar Syed Ariffin, Dr. Aminatuzuhariah and Raalah Mohamad (Zatur and Remaz, RA).

34. *User Response in Atrium Space*, UPP-UTM grant, Vot 71951, 2003. PM Dr. Mohd. Hamdan Ahmad (Team Leader), Gurupiah Mursib and PM Dr. Nor Haliza Madros (Roshidah Majid, RA).
35. *Primary Noise Level Data Collection for ProLink Development Sdn Bhd*, UTSB Contract Research, Vot 243 (Noise), 2001. Mohd Hamdan Ahmad (Team Leader) and Halimah Yahya.
36. *Primary Weather/Hidrological Data Collection for ProLink Development Sdn Bhd*, UTSB Contract Research, Vot 243, 2001. Mohd Hamdan Ahmad (Team Leader) and Norhan Abdul Rahman.
37. *Natural Ventilation and CFD Simulation in School Planning*, UPP-UTM grant, 2000. Gurupiah Mursib (Team Leader) and Dr. Mohd. Hamdan Ahmad.
38. *Daylighting and Lightshelf*, IRPA grant, 1999/2000. Dr. NorHaliza Madros (Team Leader) and Dr. Mohd Hamdan Ahmad.
39. *The Influence of Roof Forms and Interior Cross Sections on Daylighting in Atrium Spaces in Malaysia*. Ph.D Program, 1993 to 1997 (University of Manchester).
40. *Low Cost Tourist Industry in Tioman Island*, UPP-UTM grant, 1991/1992. Mohd Hamdan Ahmad (Team Leader), PM Zainul Hakim Mohd Zain and Fawazul Khair Ibrahim.

## CONSULTATION WORK

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Consultation work in Private Sector:

1. 2018 – 2019  
Institut Sultan Iskandar
  - Kajian Rejuvinasi Fizikal Pangsapuri Kos Rendah Badar Bukit Puchong, Selangor
  - Client: Majlis Perbandaran Subang Jaya
2. 2017-2018  
Institut Sultan Iskandar
  - Cadangan Pembangunan Taman Ekologi Tanjung Pelepas (TPEP)
  - Project Development Cost: RM40,000,000.00
3. 2016-2018  
Institut Sultan Iskandar
  - ICONLAB – PILS KPT BOS Project: Development of New 2 Polytechnics and 10 Community Colleges under Ministry of Higher Education Malaysia
  - Project Development Cost: RM20,000,000.00
4. 2014 – 2015  
Institut Sultan Iskandar (UTM)
  - Curriculum Design for Architecture Degree Programme
  - Client: University Tun Hussein Onn Malaysia (UTHM)
  - Fees: RM45,000.00

5. 2012 – 2014

Institut Sultan Iskandar (UTM)

- Cadangan Merekabentuk & Membina Sebuah Soaraja di Sungai Rambah, Pontian, Johor
- Client: His Highness DYMM Sultan Johor
- Project Development Cost: RM13.0 mil.

6. 17 June 2013 – 16 October 2013

Institut Sultan Iskandar (UTM)

- Merekabentuk, Mengubahsuai, Dan Membina Susunatur Dan Reka Dalaman Ke Atas Bangunan Kedai-Pejabat Sedia Ada Beralamat No. 1 Hingga 33, Jalan Kolej, Mukim Setul, Pajam, Negeri Sembilan Untuk Tetuan Gerbang Al-Azhar Sdn. Bhd. (Gasbclient: Gerbang Al-Azhar Sdn. Bhd.)
- Project Development Cost: RM6,360,459.00

7. 1 January 2013 – 31 April 2013 – Completed

Institut Sultan Iskandar (UTM)

- Cadangan Merekabentuk, Mengubahsuai, Menaiktaraf dan Membina Susunatur dan Reka Dalaman Tingkat 3 Hingga 13, Bangunan UTM Space
- Client: UTM-SPACE
- Project Development Cost: RM4,907,880.00

8. 1 January 2013 – 31 December 2013

Institut Sultan Iskandar (UTM)

- Insulation, Energy Efficiency and Thermal Comfort Study in Hot-Humid Tropics
- Client: UTM and University of Hiroshima
- Project Cost: RM500,000.00

Consultation works in Architecture, Interior, Landscape Architecture & Environmental Design Consultant with Bureau of Innovation and Consultancy, (BIP) UTM and Uni-technologies Sdn. Bhd. (UTSB) UTM.

Projects involved include:

- Proposed Taman Botani Johor Bahru, MBBJ (2010)
- Landscape Masterplan Study for Taiping, JLN (2008-2009)
- Entrance Gateway to Bandar Penawar/Desaru for KEJORA (2008-2009).
- Ecological Park, Urban Forest, MBBJ (2006)
- Laman Bistari, Taman Tropika UTM, 2005 and 2008
- Competition Proposal for Public Market Pontian, Johor 2003 (Consolation Prize).
- Proposed Merdeka Park Phase 2, Johor Bahru, 2002 (under construction).
- Proposed Taman Herba UTM, 2002
- Proposed INTAN Keluang's Recreational Centre, 2001.
- Proposed INTAN Keluang Hotel and Resort, 2001.
- Taman Tropika UTM, Johor Bahru, 2000 (completed in 2002).
- Proposed Taman Orkid for MBBJ, 2000 (completed in 2003).
- Proposed Commercial Development in Simpang Renggam, Johor, 2000.

- Proposed Taman Teknologi Malaysia, Bukit Jalil, 1990.
- Linear Park for MPJB, 1991/92 (completed).
- Urban Forest for MPJB, 1991/92. (1<sup>st</sup> and 2<sup>nd</sup> phase completed)
- Mid-Cost Tourist Development for Mr. Nazri A. Karim, Tioman, (completed) 1991.
- Muar Riverfront Development, 1992.
- Proposed Mid-Cost Tourist Development, Pt. Cenang, Langkawi, 1991.
- Puteri Lagoon Recreation Centre, Pantai Lido, 1997 (completed).
- Trengganu Skill Development Centre (TESDEC) Campus Masterplan, 1997.
- Trengganu Advance Technical Institute (TATI) Campus Masterplan, 1997.
- Masterplan Proposal for Villa Ilhami Islamic Township, Jakarta, 1997.
- Tanjung Balau Nelayan Resort for Kejora, 1999 (completed).
- Langkawi Marble Garden, 1999 (completed).
- Proposed Merdeka Park, Phase 1, Johor Bahru, 1999 (completed in 2004).
- Proposed Vista Tower, Kenyir, for KETENGAH 1999.
- Conceptual Masterplan for UTM Branch Campus in Kenyir, 1998.

## OTHER PROFESSIONAL EXPERIENCE

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**1986/87 -** Part time Architectural Assistant  
Charles Treister Antonio Cantillo Architects,  
2699, South Bayshore Drive, Suite 1000D,  
Coconut Grove, Florida 33133, U.S.A.

Project Involved

- Interior Design of Brickell Avenue Executive Club.
- Extention and Renovation, Interior and Exterior of Beach Resort Hotel, Florida.

**1987/88 -** Assistant Architect  
S.A.M Akitok  
Jalan Bukit Ubi  
Kuantan, Pahang,  
Malaysia.

Project Involved

- Low Cost Housing Scheme, Bandar Baru Balok, Kuantan.
- Traditional Village Service Center for DARA; Community Hall, Shops, Stalls and Children Playground Tg. Gemuk in Rompin, Nenasi and Paloh Hincai in Pekan, Pahang.
- Proposed Maran District Mosque.

**1988 -** Assistant Architect  
JKR Negeri Pahang  
KOMTAR  
Bandar Indera Mahkota  
Kuantan, Pahang.

Project Involved

- Guard House for Istana Pahang, Kuala Lumpur.
- Proposed Istana Pahang Annex for DYMM Tengku Mahkota Pahang, Kuala Lumpur.
- New roof proposal for Istana Abu Bakar, Pekan, Pahang and
- Proposed renovation and addition to Masjid Sultan Ahmad Shah I, Kuantan, Pahang.

A handwritten signature in black ink, appearing to be 'Mohd Hamdan Ahmad', written in a cursive style.

05 05 2020