

## CURRICULUM VITAE

### A. PERSONAL DETAILS

Name: Assoc. Prof. Rohana Binti Hassan (PhD)  
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### B. EDUCATION BACKGROUND

- |                                            |                                          |              |
|--------------------------------------------|------------------------------------------|--------------|
| - Doctor of Philosophy (Civil Engineering) | Universiti Teknologi MARA                | Oktober 2011 |
| - Master in Civil Engineering              | Universiti Teknologi MARA                | May 2006     |
| - Bsc. (Hons) in Civil Engineering         | University of Portsmouth, United Kingdom | July 1996    |

### C. WORKING EXPERIENCE

<b>UiTM</b>	• Head of Operation (RMC)	IRMI	April 2015 - current
	• Felo Researcher	RMI	Feb 2014 – Ogos 2015
	• Deputy Director	IIESM	Jan 2013 – Feb 2014
	• Research Fellow	IIESM	July 2012-Dec 2012
	• Senior Lecturer	Faculty of Civil Engineering	2009
	• Lecturer	Faculty of Civil Engineering	2000- 2009
<b>Land and General Bhd.</b>	• Civil Engineer	Lembah Beringin Sdn Bhd.	1997-1999

### D. MAIN RESEARCH THEME

Timber Connections , Non- Destructive Test (Velocity), Timber Composite, Engineered Timber Product, Fire Resistance

### E. PROFESSIONAL AFFILIATIONS

#### FACULTY/IIESM/UiTM

- **Chairperson** : New master program (Msc. In Timber Engineering)
- **Invited speaker for Politeknik Shah Alam** – Preparation of FRGS Grant
- **Invited speaker for IIESM** – Motivational Talk for Post Graduate Student (PSPM)
- **Co-chairman** : Entrepreneur Expo Civil Engineering
- **Advisor** : One Day 'Hands On' Workshop on Concrete Casting and Laboratory Testing"
- **Invited speaker for FKA-** Data analysis Interpretation

#### INTERNATIONAL

- **General Chair:** International Civil and Infrastructure Engineering Conference (InCIEC 2013)
- **General Chair:** International Civil and Infrastructure Engineering Conference (InCIEC 2014)

Lecture for Post Graduate Student (2012 and 2013)

- Industrial Practical Supervisor
- **Facilitator** : One Day 'Hands On' Workshop on Concrete Casting and Laboratory Testing"
- **Deputy Chairperson**: Workshop on Masonry Structural Design Based on Eurocode 6
- **Project Leader** : IIESM Roadshow to Polytechnic Kota Bharu
- **Panel Interviewer**: UiTM Scholarship for IIESM Post Graduate
- **Panel /Judge**: Entrepreneur Expo Civil Engineering
- **Panel /Judge**: Invention, innovation and Design Exposition 2015 (IIDEX 2015)
- **Committee**: Timber Bridge Design Brief (MTC Project)
- **Committee**: Workshop for 'Finalization of Documentation and Preparation for EAC Visit'
- **Committee** : Teknikal Peralatan dan Tabung Amanah IIESM
- **Committee**: Open Ended Laboratory Assesment for EAC
- **Member** : IIESM roadshow to UTM, Skudai
- **Member** : IIESM roadshow to UiTM Pulau Pinang

- **General Co-Chair** : "2<sup>nd</sup> International Conference on Advanced Nano-Composite for Construction Materials (ICNC 2014)"
  - **Publication Chair** : International Civil and Infrastructure Engineering Conference (InCIEC 2015)
  - **Deputy Chairman**: 2<sup>nd</sup> International Conference on Science and Social Research (CSSR 2015)
  - **Committee**: International Symposium on Flood Research & Management 2015 (ISFRAM 2015)
  - **Publication Committee**: 13<sup>th</sup> International Conference on Concrete Engineering and Technology (CONCET 2016)
  - **Secretary** : "1<sup>st</sup> International Conference on Advanced Nano-Composite for Construction Materials (ICNC 2013)"
  - **Chief editor**: Proceeding of the International Civil and Infrastructure Engineering (InCIEC 2013)- (SPRINGER publication)
  - **International Advisory Committee**: International Conference on Materials and Characterization Techniques (VIT University, India)
- NATIONAL**
- **Advisory Commitee** : MTIB'S Certification Body (MTIB-CB)
  - **Auditor**: Member of Concrete Society of

	<p>Malaysia (PERKOM)</p> <ul style="list-style-type: none"> <li>• <b>Technical Advisory Committee:</b> Government project: Crops for the Future Research Centre (CFFRC) at Semenyih, Selangor</li> <li>• <b>Invited Speaker for JKR :</b> Structural Timber Design (Connection)</li> <li>• <b>Panel Interviewer:</b> KPT Scholarship for Polytechnic Post Graduate</li> <li>• <b>Member:</b> Board of Engineer Malaysia (BEM)</li> </ul>
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**F. RESEARCH GRANTS**

No. of projects (Completed)	18
No. of projects (Ongoing)	3
As Project Leader	9 Projects
As Project Member	12 Projects
<b>Total grant value</b>	<b>RM 2,316, 010.00</b>

**G. CONSULTANCY WORK (COMPLETED)**

- 7 projects (Short/Long duration)
- Research On TNB Smart Meter/Ami Implementation And Customization With Respect To Customer Profiling
- Development Of A Dimensionally Stable And Homogeneous Pre Fabricated Roof Trusses Using Engineered Wood Product Manufactured Using Malaysian Tropical Timber
- Fees Rate Standardization of Private Institution Studies
- Fire testing for glulam structural member
- Construction of Pedestrian Walkway using Sustainable and Green Construction Materials (Glued Laminated Timber and Wood Plastic Composites)
- Determination of Bending Strength for Glulam Beam
- Consultation work for the Retrofitting Project for Manik Urai Bridge

**H. CURRENT RESEARCH COLLABORATIONS WITH INDUSTRY**

- JKR - Development Of A Dimensionally Stable And Homogeneous Pre Fabricated Roof Trusses Using Engineered Wood Product Manufactured Using Malaysian Tropical Timber
- Malaysian Timber Council - Determination of Bending Strength for Glulam Beam
- Malaysia Higher Education - Fees Rate Standardization of Private Institution Studies
- LKTN - Enhancing the Kenaf Productivity of Small Farmers Through Innovative Plantation and Processing

## **I. RESEARCH OUTPUTS**

Publications (Refereed)	17
Publications (Indexed)	7
Proceedings & others	6
Presentations in Conferences	10
PhD Students (Ongoing)	3
Msc Students –By research (Ongoing)	6
MSc. Students –Dissertation (Ongoing)	3
MSc. Students –Dissertation (Completed) BSc.	8
FYP (Ongoing)	6
BSc. FYP (Completed)	22

## **J. OTHER CONTRIBUTIONS**

Editorial and Paper reviewer (58 papers) :-

Reviewer: Proceedings of the International Post Graduate Conference, FCE, UiTM

Reviewer: InCIEC 2013

Reviewer: InCIEC 2014

Reviewer: InCIEC 2015

Reviewer: CSSR 2015

Track chair: CHUSER 2014

Track chair: SUSHER 2013

Track chair: SUSHER 2014

Reviewer: CHUSER 2013

Reviewer: CHUSER 2014

## **K. HONOURS/AWARD**

- A recipient of silver medal award in IIDEX, UiTM (2015)
- A recipient of silver medal award in IID, UiTM (2013) – Project 1
- A recipient of silver medal award in IID, UiTM (2013) – Project 2
- A recipient of UiTM Staff Scholarship Award (2007-2011)
- A recipient of silver medal award in MTE (2010)
- A recipient of Gold medal award in IID UiTM (2010)
- A recipient of bronze medal award in ITEX
- A recipient of Gold medal award in FKA (2009)
- Best presenter award in FKA IID (2009)
- Faculty Excellence Service Award (2006)
- A recipient of MARA Student Scholarship (1994-1996)

## MAKLUMAT LANJUT BIODATA

### Penyeliaan (Supervision)

Kerja Kursus dan Penyeliaan Penyelidikan (tempoh lima (5) tahun terakhir).  
(Coursework and research supervision)

#### 1. Peringkat Ijazah Sarjana Muda/Diploma (Undergraduate/Diploma)

Sarjana Muda/ Diploma (Undergraduate/ Diploma)	Tajuk Projek/Amali/Tugasan Ilmiah (Title and Student's name)	Tarikh Penyerahan/ Siap Projek/ Amali/ Tugasan Ilmiah (Date of Project submitted/ completed)	Peratus Sumbangan Penyeliaan/Pembantu Penyeliaan (Supervisor or Associate supervisor percentage contribution)
Ijazah Sarjana Muda	Compression Strength of Mengkulang Laminated Timber Strengthened with GFRP. Nurul Hawa Fatin Binti Mohd Yasim	Mac 2014	100%
Ijazah Sarjana Muda	compression strength of composite glulam timber reinforced between first and second lamina. Nurul Syakinah Abdul Rahim	MAC 2014	100%
Ijazah Sarjana Muda	Tensile Behavior of Timber Composite Connection Using Bolt For Merpauh(SG4) and Sesendok (SG7).	Dec-13	100%

	Saiful Shafenzi Bin Saidin		
Ijazah Sarjana Muda	Tensile Behavior of Timber Composite Connection Using Bolt For Keruing And Bintagor. Mohd Hazim Bin Mohd Azam	Dec-13	100%
Ijazah Sarjana Muda	Tensile Behavior of Composite Connection Using Bolts on Kempas and Sesendok. Nabil Fikri Bin Mohd Nadzmi	Dec-13	100%
Ijazah Sarjana Muda	Identification of Poission's Ratio for Laran, Sesendok, Kempas and Kekatong. Mohamad Harith Fadhilah Bin Azahari	Dec-13	100%
Ijazah Sarjana Muda	Identification of Poissions's Ratio for Keruing, White Meranti and Sesendok Species. Hafizuddin Zubir	Dec-13	100%
Ijazah Sarjana Muda	Effectiveness of Pulse Velocity on Different Length of Bintangor and Yellow Meranti Species. Syed Syazaril Amry Bin Syed Mubarat	Dec-13	100%
Ijazah Sarjana Muda	Effect of GFRP Sheet To The Strength Capacity of Dowelled Type Timber Connection. Homilan Ginsos	Jul-13	100%
Ijazah Sarjana Muda	Bending Performance of Oil Plam Stem Plywood For Two Different Thicknesses. Sharifah Latifah Bt Syed Akil	Jul-13	100%
Ijazah Sarjana Muda	Physical Properties of OPS Plywood From Two Selected Companies. Muhamad Hafiz Bin Abdul Rahim	Jul-13	100%
Ijazah Sarjana Muda	Single Shear Strength of Kempas in Influence of Dowel Diameter:12MM Versus 25MM.	Dec-12	100%

	Veronica Sonia Binti Perry		
Ijazah Sarjana Muda	Single Shear Strength of Kempas in Influence of Dowel Diameter;12MM Versus 21MM. Siti Noordiana Bt AB.Ghani	Dec-12	100%
Ijazah Sarjana Muda	Single Shear Strength of Kempas in Influence of Dowel Diameter:12MM Versus 16MM. Nur Hajidah Binti Sul	Dec-12	100%
Ijazah Sarjana Muda	Physical Characteristics of Storm Water Filtered Through Durian-Xylem. Julie Nadya Ahmad	Dec 2015	100%
Ijazah Sarjana Muda	ChEmical Characteristics of Storm Water Filtered using Durian Xylem. Mas Haedayu Manap	Dec 2015	100%
Ijazah Sarjana Muda	Biological Characteristics of Storm Water Filtered Through Durian-Xylem. Nur Azyyati Mohamed	Dec 2015	100%

2. Peringkat Ijazah Lanjutan  
(Post Graduate)

Ijazah Lanjutan ( <i>Post Degree</i> )	Tajuk Penyelidikan Dan Nama Pelajar : ( <i>Research Title and Student's name</i> )	Tarikh Pendaftaran Tesis/ Desertasi ( <i>Date of registration</i> )	Tarikh Penyerahan Tesis/ Disertasi ( <i>Date thesis submitted</i> )	Peratus Sumbangan Penyelia/Pembantu Penyelia ( <i>Supervisor or Associate supervisor- percentage contribution</i> )
PhD	Structural Performance of Bolted	Julai 2012	Belum	90%

	Connections in Glulam Timber Made of Light Red Meranti at Elevated Temperature. Mohd Nizam Bin Shakimon		tamat	
PhD	Structural Performance Of Bolted Connection For Glulam Splice Joints, Nor Jihan Abd Malik	Julai 2012	Belum tamat	90%
PhD	Structural Performance Of Dowel Jointing System For Glulam Splice Connections. Tengku Anita Raja Hussin	Julai 2012	Belum tamat	90%
Sarjana (Penyelidikan)	Flexural Performance of Glulam Timber with GFRP Fabric Strengthened with Bolt and Nut Connections. Nurain Binti Rosdi	Jan 2014	Belum tamat	90%
Sarjana (Penyelidikan)	Flexural Performance of Glulam Timber with GFRP Fabric Strengthened with Pull Out Connections. Nurul Atikah Binti Seri	Jan 2014	Belum tamat	90%
Sarjana (Penyelidikan)	Performance of Solar Radiation and Heat Absorption for Selected Concrete Grade and Tropical Timber. Raihana Binti Mohamad Hata	Jan 2014	Belum tamat	90%
Sarjana (Penyelidikan)	Performance of Glass Fibre Reinforced Polymer (GFRP) with Varied Alignments and Reduced Surface Area as a Strengthening Material for Glue Laminated Timber Component. Abdullah Omar Bin Abdullah Zamli	Jan 2014	Belum tamat	90%



Sarjana (Penyelidikan)	Thermal Performance of Engineering Building Material at Elevated Temperature. Amirah Ali Chew	Julai 2014	Belum tamat	90%
Sarjana (kerja Kursus)	Tensile Performance of Half Lap Timber Dowel Connection Strengthened Using CFRP Sheet. Nurul Aida Bt Awaludin	2014/September 2013-Jan. 2014	Disember 2014	100%
Sarjana (kerja Kursus)	Tensile Performance of Half Lap Timber Nailed Joint Strengthened Using CFRP Sheet. Nik Norhafiza Bt Nik Yahya	2014/September 2013-Jan. 2014	Disember 2014	100%
Sarjana (kerja Kursus)	Tensile Resistance Composite Laminated Veneer Lumber Connection Fastened Using Nails And GFRP Fabric. Noor Yuhana Bt Maamor	2014/September 2013-Jan. 2014	Disember 2013	100%
Sarjana (kerja Kursus)	Finite element Model For Mortise And Tenon Joint Fastened With Wood Dowel Made Of Kempas Species. Haslin Idayu Amaruddin	2013/ Sept 2012-Jan 2013	Disember 2012	100%
Sarjana (kerja Kursus)	Spring Theory Analysis for Wood Dowel (16 mm diameter dowel). Nity Azidah Mohammad Amin	2013/ Sept 2012-Jan 2013	Disember 2012	100%
Sarjana (kerja Kursus)	Spring Theory Analysis for Wood Dowel (24 mm diameter dowel). Tengku Anita Raja Hussin	2012/ Mac 2012 - Julai 2012	Disember 2012	100%
Sarjana (kerja Kursus)	Bearing Strength of Mengkulang Glulam. Mohd Faizal Muhammad	Sept 2014-Jan 2015	Disember 2014	100%

Sarjana (kerja Kursus)	Non-destructive Test of Strengthened Timber with GFRP. Fatimah Abd Rashid	Sept 2014- Jan 2015	Disember 2014	100%
Sarjana (kerja Kursus)	Tensile Resistance Composite Laminated Veneer Lumber Connection Using Dowel Fastener. Wan Nur Syazni Bt Wan Shaari	2014/ Mac 2014 - Julai 2014	Jun 2014	100%
Sarjana (kerja Kursus)	Pull-out of Different Dowel Diameter Glued-in Different Grain Direction of Mengkulang Gulam. Mohamad Iswandi Jinne	Sept 2015 - Jan 2016	Disember 2015	100%
Sarjana (kerja Kursus)	Pull-out Capacity and Bond Behaviour for Different Thickness of Glued-in Parallel and Perpendicular to Grain Direction of Mengkulang Glulam. Stanley Anak Philip	Sept 2015 - Jan 2016	Disember 2015	100%
Sarjana (kerja Kursus)	Delamination Performance of Glulam Made From Selected Species. Noor Syahida Ismail	Sept 2015 - Jan 2016	Disember 2015	100%

## **PENYELIDIKAN DAN PENERBITAN**

*(RESEARCH AND PUBLICATION)*

### **Penyelidikan Dan Penerbitan Dalam Tempoh Memegang Jawatan Sekarang**

*(All research progress and publication since appointment to the present position)*

**A. Penyelidikan**  
(*Research*)

1. Usahasama Penyelidikan  
(*Research collaborations*)

Usahasama Penyelidikan ( <i>Research Collaborations</i> )	Tahun ( <i>Year</i> )
Jalanan usahasama / <i>Memorandum of Understanding (MoU)</i> bersama Syarikat MyGlam (Kilang papan) Telah mendapat kelulusan TNC (Akademik & Antarabangsa) dan menunggu untuk ditandatangani oleh YBhg. VC	2016

**B. Bantuan Penyelidikan, Kontrak dan Projek**  
(*Research Grants, Contracts and Projects*)

1. Bantuan Penyelidikan, Kontrak Dan Projek Semasa  
(*Current research grants, contracts and projects*)

Tajuk ( <i>Title</i> )	Agensi Penyumban g ( <i>Granting Agency</i> )	Jumlah ( <i>Amount</i> )	Ketua Penyelidikan & Ahli ( <i>Chief researcher &amp; members</i> )	Peratus dan bentuk sumbangan anda ( <i>Percent and nature of your contribution</i> )
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<p>DEVELOPMENT OF A DIMENSIONALLY STABLE HOMOGENEOUS PRE-FABRICATED ROOF TRUSSES USING ENGINEERED WOOD PRODUCT MANUFACTURED USING MALAYSIAN TROPICAL TIMBER</p>	<p>JKR</p>	<p>1,285,210</p>	<p>P DR ZAKIAH AHMAD (KETUA), P. DR AZMI IBRAHIM DR ROHANA HASSAN DR MOHD FADHIL ARSHAD -</p>	<p>30% MEMBANTU KETUA PROJEK MENDAPATKAN MAKLUMAT KAJIAN DAN MENYELIA PEMBANTU PENYELIDIK MENJALANKAN UJIKAJI DIMAKMAL</p>
<p>WOOD XYLEM WATER FILTER HYDRAULIC CONDUCTIVITY PERFORMANCE</p>	<p>FRGS (KPT)</p>	<p>RM 132,000</p>	<p><b>DR ROHANA HASSAN (KETUA)</b>  DR MARFIAH AB WAHID, DR ADLIN SABRINA MOHD ROSELEY (UPM) PN HASLIN IDAYU KAMARUDDIN</p>	<p>80% MENGETUAI PROJEK. MEMASTIKAN PERJALANAN PROJEK BERJALAN SEPERTI YANG DIJADUALKAN</p>
<p>HEAT TREATED HARDWOOD TIMBERS CHEMICAL AND MECHANICAL CHARACTERIZATION</p>	<p>RAGS (KPT)</p>	<p>RM75,000</p>	<p>PN NUR KAMALIAH BT MUSTAFA (KETUA) ROHANA HASSAN P. DR. ZAKIAH AHMAD NORLIYATI MOHD AMIN</p>	<p>30% MEMBANTU KETUA PROJEK MENDAPATKAN MAKLUMAT KAJIAN DAN MENYELIA PEMBANTU PENYELIDIK MENJALANKAN UJIKAJI DIMAKMAL</p>

KENAF CELLULOSE NANO-WHISKERS NATURAL RUBBER COMPOSITE	DANA RIF (UITM)	RM32,000	PN SAFARINA HASLIMAWATY BT HAMDAN (KETUA)- ROHANA HASSAN P DR. ZAKIAH AHMAD	30% MEMBANTU KETUA PROJEK MENDAPATKAN MAKLUMAT KAJIAN DAN MENYELIA PEMBANTU PENYELIDIK MENJALANKAN UJIKAJI DIMAKMAL
BEHAVIOR OF COMPOSITE WALL OPENINGS USING WOODWOOL CEMENT...	ERGS (KPT)	RM80,000	PM.DR ZAKIAH AHMAD (KETUA) DR ROHANA HASSAN PN NURSAFARINA AHMAD DR MOHD FADZIL ARSHAD	30% MEMBANTU KETUA PROJEK MENDAPATKAN MAKLUMAT KAJIAN DAN MENYELIA PEMBANTU PENYELIDIK MENJALANKAN UJIKAJI DIMAKMAL
CONSTRUCTION OF PEDESTRIAN WALKWAY USING SUSTAINABLE AND GREEN COSNTRUCTION MATERIALS (GLUED LAMINATED TIMBER AND WOOD PLASTIC COMPOSITES)	PEMBANGUN AN (UITM)	RM25,000	PM.DR ZAKIAH AHMAD(KETUA) DR ROHANA HASSAN	30% MEMBANTU KETUA PROJEK MENDAPATKAN MAKLUMAT KAJIAN DAN MENYELIA PEMBANTU PENYELIDIK

				MENJALANKAN UJIKAJI DIMAKMAL
GLASS FIBRE REINFROCED POLYMER(GFRP) AS AN ADVANCED MATERIAL IN GLULAM TIMBER JOINTS APPLICATIONS (PART 2)	DANA, UITM	RM60,000	<b>DR ROHANA HASSAN(KETUA)-</b> PENSYARAH FKA;MAZLINA MOHAMAD(AHLI)- PENSYARAH FKA;PM. DR ZAKIAH AHMAD(AHLI)- PENSYARAH FKA	80% MENGETUAI PROJEK. MEMASTIKAN PERJALANAN PROJEK BERJALAN SEPERTI YANG DIJADUALKAN.
GLASS FIBRE REINFROCED POLYMER(GFRP) AS AN ADVANCED MATERIAL IN GLULAM TIMBER JOINTS APPLICATIONS (PART 3)	DANA, UITM	RM60,000	<b>DR ROHANA HASSAN(KETUA)-</b> PENSYARAH FKA;MAZLINA MOHAMAD(AHLI)- PENSYARAH FKA;PM. DR ZAKIAH AHMAD(AHLI)- PENSYARAH FKA	80% MENGETUAI PROJEK. MEMASTIKAN PERJALANAN PROJEK BERJALAN SEPERTI YANG DIJADUALKAN.
HEAT ABSORPTION ENGINEERED WOOD PRODUCT SOLAR RADIATION CHARACTERISTIC	RAGS (KPT)	RM80,000	HASLIN IDAYU BINTI AMARUDDIN ROHANA HASSAN SITI HAWA ROSLI	30% MEMBANTU KETUA PROJEK MENDAPATKAN MAKLUMAT KAJIAN DAN MENYELIA PEMBANTU PENYELIDIK MENJALANKAN UJIKAJI DIMAKMAL

2. Bantuan Penyelidikan, Kontrak Dan Projek Yang Telah Selesai  
(Completed Research Grants, Contracts and Projects)

Tajuk (Title)	Agensi Penyumban g (Granting Agency)	Jumlah (Amount)	Ketua Penyelidikan & Ahli (Chief researcher & members)	Peratus dan bentuk sumbangan anda (Percent and nature of your contribution)
EFFECTIVENESS OF GLASS FIBRE REINFORCED PLASTIC (GFRP) FOR DOWEL TIMBER CONNECTIONS	KEMENTERI AN PENDIDIKA N TINGGI (KPT)	RM80,000.00	<b>ROHANA HASSAN (KETUA);</b> ILYANI AKMAR ABU BAKAR (AHLI)- PENSYARAH FKA; ANIZAHYATI ALISIBLAMURISI (AHLI)- PENSYARAH FKA; CHE MAZNAH MAT ISA (AHLI)-PENSYARAH FKA; SHAFINAZ ISMAIL(AHLI)- PENSYARAH FKA	70% : KETUA PROJEK: MEMASTIKAN PROJEK BERJALAN LANCAR DAN TAMAT DALAM TEMPOH
GLASS FIBRE REINFROCED POLYMER (GFRP) AS AN ADVANCED MATERIAL IN GLULAM TIMBER JOINTS APPLICATIONS	ERGS (KPT)	RM80,000.00	<b>DR ROHANA HASSAN(KETUA)-</b> PENSYARAH FKA;MAZLINA MOHAMAD(AHLI)-PENSYARAH FKA;PM. DR ZAKIAH AHMAD(AHLI)-PENSYARAH FKA	70% : KETUA PROJEK: MEMASTIKAN PROJEK BERJALAN LANCAR DAN TAMAT DALAM TEMPOH
SHOULDER PERFORMANCE FOR RECTANGULAR MORTISE AND TENON CONNECTIONS	DANA RIF (UITM)	RM32,000.00	<b>ROHANA HASSAN (KETUA)-</b> PENSYARAH FKA;PM DR ZAKIAH AHMAD(AHLI)-PENSYARAH FKA; DR MARINA YUSOFF(AHLI)- PENSYARAH FAKULTI KOMPUTER DAN MATEMATIK	70% : KETUA PROJEK: MEMASTIKAN PROJEK BERJALAN LANCAR DAN TAMAT DALAM

				TEMPOH
EXPERIMENTAL TENSION BEHAVIOUR OF DOWELLED MORTISE AND TENON CONNECTIONS	DANA (UITM)	RM30,000.00	PROF AZMI IBRAHIM(KETUA)-DEKAN FKA,PM.DR ZAKIAH AHMAD9AHLI)-PENSYARAH FKA,DR ROHANA HASSAN(AHLI)-PENSYARAH FKA	50% : MEMBANTU MENJALANKAN UJIKAJI MAKMAL DAN ANALISA DATA
TENSILE RESISTANCE COMPOSITE TIMBER CONNECTION EUROPEAN YIELD MODEL	RAGS (KPT)	RM80,000.00	IR SHAHARIN . HAMID(KETUA)-PENSYARAH ;'ROHANA HASSAN (AHLI)-PENSYARAH, FKA; P.M DR. ZAKIAH AHMAD (AHLI)-PENSYARAH FKA; DR NORLIYATI MOHD AMIN(AHLI)-PENSYARAH FKA	50% : MEMBANTU MEMASTIKAN UJIKAJI BERJALAN LANCAR DAN MENGANALISA DATA
LATERAL RESISTANCE TIMBER JOINTS THEORETICAL MODIFICATION AND MONTE CARLO SIMULATION	RAGS (KPT)	RM65000	MOHD HANAFIE BIN YASIN(KETUA)-PENSYARAH;DR ROHANA HASSAN(AHLI)-PENSYARAH FKA;P.M DR. ZAKIAH AHMAD(AHLI)-PENSYARAH FKA;DR MARINA YUSOFF(AHLI)-PENSYARAH FAKULTI KOMPUTER DAN MATEMATIK;DR NORLIYATI MOHD AMIN(AHLI)-PENSYARAH FKA	50% : MEMBANTU MEMASTIKAN UJIKAJI BERJALAN LANCAR DAN MENGANALISA DATA

**C. Penerbitan dan/atau Karya Kreatif**  
(Publication and/or creative works)



Buku/Bab Dari Buku/Artikel/ Monograf/ Kertas Konferen (Books/Book Chapter/ Article/Monograph Conference paper)	Penerbit (Publications)	Tarikh Penerbitan (Date Publication )	Peratus dan jenis sumbangan (Percentage and type of contribution)
<b>BUKU</b>			
BUKU GARIS PANDUAN PENYELIDIKAN IRMI	Dalam proses permohonan penerbitan (UPENA)	2016	40% PENULIS BERSAMA
Pelan Perancangan Strategik 2013-2017	UPENA	2013	40% PENULIS BERSAMA
Timber Properties Using Dielectric Constant: In-low frequency Techniques.	Verlag Dr. Muller	2011	50% Penulis bersama
<b>JURNAL</b>			
Effect of GFRP Sheet to the Strength Capacity of Dowelled Type Timber Connection, Malaysian Construction Research Journal (Accepted and to be published)	Malaysian Construction Research Journal (Accepted and to be published)	2016	30% Penulis Bersama

Pull-out Behavior of Two Different Glue Lines Thickness Glued-in Steel Dowel for Kempas Species, Malaysian Construction Research Journal (Accepted and to be published)	Malaysian Construction Research Journal (Accepted and to be published)	2016	30% Penulis Bersama
Young's Modulus and Poisson's Ratio of Merpauh, Kapur and Sesenduk Species. Accepted and to be published by Jurnal Teknologi (SCOPUS Q3)	XX:1(2015) 1-5  www.jurnalteknologi.utm.my  eISSN 2180-3722 (Accepted and to be published)	2016	90% Penulis Utama
The Thermal Conductivity of Selected Tropical Timber Species Using Hot Box Method. Accepted and to be published by Jurnal Teknologi (SCOPUS Q3)	XX:1(2015) 1-5  www.jurnalteknologi.utm.my  eISSN 2180-3722 (Accepted and to be published)	2016	30% Penulis Bersama
Compression Strength Of Glulam Reinforced Between First And Second, Third And Fourth Lamina. Accepted and to be published by Jurnal Teknologi (SCOPUS Q3)	XX:1(2015) 1-5  www.jurnalteknologi.utm.my  eISSN 2180-3722 (Accepted and to be published)	2016	30% Penulis Bersama
Pull-out Strength for Different Size of Dowel and Grain Direction of Glulam. Accepted and to be published by Jurnal Teknologi (SCOPUS Q3)	XX:1(2015) 1-5  www.jurnalteknologi.utm.my  eISSN 2180-3722 (Accepted and to be published)	2016	30% Penulis Bersama
Tensile Behavior of Bolted Timber Composite Half-lap Connection for Keruing and Sesendok	XX:1(2015) 1-5  www.jurnalteknologi.utm.my  eISSN 2180-3722 (Accepted and to be published)	2016	30% Penulis Bersama
Double Shear Test Behaviour of Balau Species for Different End Distance. Accepted and to be published by Jurnal Teknologi (SCOPUS Q3)	XX:1(2015) 1-5  www.jurnalteknologi.utm.my  eISSN 2180-3722	2016	30% Penulis Bersama

Different Glueline Thicknesses Pull-out Behaviour of Mengkulang Glulam. Accepted and to be published by Jurnal Teknologi (SCOPUS Q3)	XX:1(2015) 1-5   www.jurnalteknologi.utm.my  eISSN 2180-3722	2016	30% Penulis Bersama
The Finite Element Modelling of Glulam Tropical Timber Beam in Bending. Accepted and to be published by Jurnal Teknologi (SCOPUS Q3)	XX:1(2015) 1-5   www.jurnalteknologi.utm.my  eISSN 2180-3722	2016	30% Penulis Bersama
Tensile Resistance of GFRP Wrapped Steel. Accepted and to be published by Journal of Mechanical Engineering (JMEcHe).	Journal of Mechanical Engineering (JMEcHe). (Accepted and to be published)	2016	30% Penulis Bersama
Tensile Performance of Half-lap Timber Nailed Joint Strengthened Using CFRP Sheet. Accepted and to be published by Journal of Mechanical Engineering (JMEcHe).	Journal of Mechanical Engineering (JMEcHe). (Accepted and to be published)	2016	30% Penulis Bersama
A Conceptual Review of Weathering Testing using Malaysian Tropical Timber	77:32(2015) 125-131   www.jurnalteknologi.utm.my   eISS N2180-3722	2016	30% Penulis Bersama
A Study on the Effect of Environments on curing Characteristics of Thiotropic and Room Temperature Cured Epoxy Based Adhesive using DMTA	ASM Journal Science (Scopus).	2013	30% Penulis Bersama
**Estimation of Double Shear Strength of Timber Connections Fastened with Glass Fibre Reinforced Polimer Dowel by National Design Specification.	Akademi Sains Malaysia, Science Journal	2012	90% Penulis Utama
Shear Strength of Steel and CFRP to Timber Interface.	Humanities, Science and Engineering Research (SHUSER), 2012 IEEE Symposium	2012	30% Penulis Bersama
**Shear Capacity of Dowelled Mortise and Tenon Joint in Tropical Timber.	Journal Institute of Physics, IOP Conferences Series: Material Science and Engineering (2010)	2010	90% Penulis Utama

<b>PROCEEDING ANTARABANGSA</b>			
Bending Strength Performance of Selected Timber Species with Different GFRP Strips Pattern	International Civil and Infrastructure Engineering Conference (2014). (ISBN 978-981-287-289-0)	1129-1139	Penulis Utama
Charring Rate of Glued Laminated Timber (Glulam) Made from Selected Malaysian Tropical Timber	International Civil and Infrastructure Engineering Conference.2014 (ISBN 978-981-287-289-0)	1107-1116	Penulis Bersama
Computational Approach for Timber and Composite Material Connection Using Particle Swarm Optimization	International Civil and Infrastructure Engineering Conference.2014 (ISBN 978-981-287-289-0)	1141-1152	Penulis Bersama
A Review of Dowel Connection for Glulam Timber Strengthening with GFRP	International Civil and Infrastructure Engineering Conference.2014 (ISBN 978-981-287-289-0)	1153-1162	Penulis Bersama
A Review of Connections for Glulam Timber	International Civil and Infrastructure Engineering Conference.2014 (ISBN 978-981-287-289-0)	1163-1173	Penulis Bersama
Finite Element Model of Mortise and Tenon Joint Fastened with Wood Dowel Using Kempas Species	International Civil and Infrastructure Engineering Conference (2013). (ISBN: 978-981-4585-01-9)	3-14	Penulis Bersama
Dowel-Bearing Strength Properties of Two Tropical Hardwoods	International Civil and Infrastructure Engineering Conference (2013) (ISBN: 978-981-4585-01-9)	27-36	Penulis Utama

Factor of Safety for Dowelled-Double Shear Kempas and Kapur Connections	International Civil and Infrastructure Engineering Conference (2013). (ISBN: 978-981-4585-01-9)	61-74	Penulis Utama
Evaluation of Dowel-Bearing Strength for Wood Dowel Using 'Spring Theory'	International Civil and Infrastructure Engineering Conference (2013). (ISBN: 978-981-4585-01-9)	75-84	Penulis Utama
Experimental Study to Single Shear Kapur Connection and Comparisons with European Yield Model	International Civil and Infrastructure Engineering Conference (2013). (ISBN: 978-981-4585-01-9)	107-116	Penulis Bersama
Particle Swarm Optimization for Single Shear Timber Joint Simulation	International Civil and Infrastructure Engineering Conference (2013). (ISBN: 978-981-4585-01-9)	117-126	Penulis Bersama

Penyuntingan  
(*Editorial activities*)

Senaraikan menurut turutan masa dari yang terkini dihasilkan, sejak dilantik ke jawatan sekarang.  
(*list of editorial activities – most recent first, since your current appointment*)

Buku/Jurnal ( <i>Books/Journal</i> )	Penerbit ( <i>Publications</i> )	Tarikh Penerbitan ( <i>Date Publication</i> )	Peratus dan jenis sumbangan ( <i>Percentage and type of contribution</i> )
Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC 2014)	Springer	2015	50% Editor: Membantu menyunting, menilai dan menguruskan penerbitan hasil buku
Proceeding of the International Symposium on Flood Research and Management (ISFRAM 2014)	Springer	2015	20% Editor: Membantu menyunting, menilai dan menguruskan penerbitan hasil buku

Proceedings of the International Civil and Infrastructure Engineering Conference (InCIEC 2013)	Springer	2014	50% Editor: Membantu menyunting, menilai dan menguruskan penerbitan hasil buku
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**B. Paten/Inovasi/Anugerah Reka Cipta/Anugerah Seni Visual**

*(Patent/Innovation/Invention or Visual Arts Awards)*

Senaraikan menurut turutan masa dari yang terkini dihasilkan, sejak dilantik ke jawatan sekarang.

Tajuk/Produk (Title/Product)	Pengiktirafan/Hadiah (Recognition/Awards)	Tarikh (Date(s))	Peratus dan jenis sumbangan (Percentage and type of contribution)
Iidex 2015: G-Tech Water Filter	-	27-30hb April 2015	60%: Ketua Projek Memberi idea inovasi dan menyediakan keperluan pertandingan
iidex 2015: Timber Joint Strength Predictor	PINGAT GANGSA	27 - 30 April 2015	30%: Ahli Projek Membantu mendapatkan data dan persiapan untuk pertandingan
iidex 2014: Half-lap TCC Joint :	PINGAT GANGSA	27 - 30 April 2014	60%: Ketua Projek Memberi idea inovasi dan menyediakan keperluan pertandingan
IIDX 2013: Intelligent Supermarket Navigator	-	15-17 March 2013	30%: Ahli Projek Membantu mendapatkan data dan persiapan untuk pertandingan

riid 2013: Innovative TG Joint Rectification	PINGAT PERAK	16-17 Disember 2013	60%: Ketua Projek Memberi idea inovasi dan menyediakan keperluan pertandingan
riid 2013: Single T-Predictor	PERAK	16-17 Disember 2013	30%: Ahli Projek Membantu mendapatkan data dan persiapan untuk pertandingan
MTC 2010: Malaysia Technology Expo 2010	PINGAT GANGSA	4-6 Feb 2010	60%: Ketua Projek Memberi idea inovasi dan menyediakan keperluan pertandingan
iid 2010: Innovative Technique of Mortise and Tenon Joint	PINGAT EMAS	12-14 Jan 2010	60%: Ketua Projek Memberi idea inovasi dan menyediakan keperluan pertandingan
FKA IID 2010: Innovative Technique of Mortise and Tenon Joint	PEMBENTANG TERBAIK	30 Sept 2009	60%: Ketua Projek Memberi idea inovasi dan menyediakan keperluan pertandingan
FKA 2010: Innovative Technique of Mortise and Tenon Joint	PEMENANG PERTAMA	30 Sept 2009	60%: Ketua Projek Memberi idea inovasi dan menyediakan keperluan pertandingan

**PERUNDINGAN DAN/ATAU KEPAKARAN**  
(CONSULTATION AND/OR EXPERTISE)

**A. Perundingan (Lulus/Berdaftar Dengan Pengurusan Penyelidikan UiTM)**  
(Consultation (Registered/Approved By Institutions of Research UiTM))

Senaraikan menurut turutan masa dari yang terkini dihasil, sejak dilantik ke jawatan sekarang.  
(list of consultation – most recent first, since your current appointment)

Tajuk Projek/Kontrak ( <i>Projects Title/Contract</i> )	Institusi Pembiayaan ( <i>Funding Institutions</i> )	Jumlah Grant ( <i>Amount of Grant</i> )	Tarikh Siap ( <i>Date of completion</i> )	Peratus dan jenis sumbangan ( <i>Percentage and type of contribution</i> )
TNB SMART METER/AMI	TENAGA NASIONAL BERHAD (TNB)	RM 396,504.80	1 DISEMBER 2015	30%: Membantu mendapatkan data, pengurusan projek dan penyediaan laporan kajian
KAJIAN PENYELARASAN KADAR YURAN DI IPTS	KEMENTERIAN PENGAJIAN TINGGI (KPT)	RM110,000.00	28 FEBRUARI 2013	40% - Membantu mendapatkan data, analisa dan membuat keputusan
DETERMINATION OF BENDING STRENGTH FOR GLULAM BEAM	MALAYSIAN TIMBER COUNCIL (MTC)	RM71,080	12 DISEMBER 2013	40% - Membantu mendapatkan data, analisa dan membuat keputusan
FIRE RESISTANCE OF GLULAM	MALAYSIAN TIMBER COUNCIL (MTC)	RM20,395.00	31 DISEMBER 2012	50% - Membantu menjalankan ujikaji, mendapatkan data, menganalisa dan membuat laporan
MODELLING, INSTRUMENTATION, TESTING, MONITORING AND EVALUATION OF EXISTING AND RETROFITTED MANIK URAI BRIDGE.	KESEDAR, KELANTAN	RM300,000.00	30 OKTOBER 2011	50% : Membantu urusan tapak, pengurusan pembelian peralatan dan kemaskini maklumat projek

## B. **Kepakaran**



(Expertise)

Pengiktirafan kepakaran di luar UiTM, contohnya jemputan pada peringkat tinggi oleh institusi pengajian tinggi dalam dan luar negara dan agensi kerajaan/ swasta, sebagai Penilai/ Pemeriksa Luar / Panel Hakim/ Panel Pensihat/ Profesor Kunjungan/ Fellowship / Pensyarah Jemputan.

*(Invitations at a senior level in other tertiary institutions or government/ private agencies, as external assessor/ examiner/ judge/ Advisory Panel/ Visiting Professor/ Fellowship/ invited public lectures or invitations to give keynote addresses)*

Senaraikan menurut turutan masa dari yang terkini, sejak dilantik ke jawatan sekarang.  
*(list of appointments/ invitations – most recent first, since your current appointment)*

Perlantikan/Jemputan <i>(Appointments/Invitations)</i>	Universiti/Agensi Kerajaan/ Swasta/ Badan Profesional <i>(Universities/Government /Private Agencies/ Professional Bodies)</i>	Tarikh <i>(Date(s))</i>	
		Dari <i>(from)</i>	Hingga <i>(until)</i>
PENCERAMAH BENGKEL EDAS	POLITEKNIK SHAH ALAM/ KERAJAAN	15 Disember 2015	
JEMPUTAN " INVITATION TO MTC RETREAT ON GLULAM"	Malaysian Timber Council (MTC)/ KERAJAAN	11-12 November 2015	
MTC TECHNICAL MISSION ON FIRE PERFORMANCE OF TIMBER, NEW ZEALAND & AUSTRALIA	Malaysian Timber Council (MTC)/ KERAJAAN	4 Ogos 2015	
MALAYSIAN TIMBER COUNCIL (CERTIFICATE BODIES (CB))	Malaysian Timber Industrial Board (MTIB)/ KERAJAAN	22 OKTOBER 2013 hingga sekarang	
PENCERAMAH/FASILITATOR SAMBILAN	JABATAN KERJA RAYA MALAYSIA/ KERAJAAN	14-16 Mei 2013	

<b>PENILAI KERTAS KERJA/ ARTIKEL (ANTARABANGSA)</b>			
Perlantikan/Jemputan ( <i>Appointments/Invitations</i> )	Universiti/Agensi Kerajaan/ Swasta/ Badan Profesional ( <i>Universities/Government /Private Agencies/ Professional Bodies</i> )	Tarikh ( <i>Date(s)</i> )	
		Dari ( <i>from</i> )	Hingga ( <i>until</i> )
Penilai kertas kerja untuk IMHALAL 2015: Revisit Intention of Generation Y Muslim Customers to A Shopping Mall	FMB, UiTM	26 Mac 2015	
Penilai kertas kerja untuk InCIEC 2015: A Conceptual Review of Structural Performance of Mengkulang Laminated Veneer Lumber (LVL) Roof Trusses	BATH UNIVERSITY, UM, IIESM, FKA UiTM	21 - 22 September 2015	
Penilai kertas kerja untuk InCIEC 2015: Comparative Study of Seismic Behavior of Tunnel Form Building Between Experimental and Modeling	BATH UNIVERSITY, UM, IIESM, FKA UiTM	21 - 22 September 2015	
Penilai kertas kerja untuk InCIEC 2015: The Joint Strength of Timber Connected With Adhesively Bonded-in GFRP Rod	BATH UNIVERSITY, UM, IIESM, FKA UiTM	21 - 22 September 2015	
Penilai kertas kerja untuk CSSR 2015 - SEaC (Sustainable Engineering & Construction): Adopting Industrialisation in the Construction Environment: Meeting the Requirements of Sustainability	FSPU, UiTM, IEEE	5 -6 October 2015	
Penilai kertas kerja untuk CSSR 2015 - SEaC (Sustainable Engineering & Construction): An Overview of Industrialised Building System (IBS) Formwork Implementation in Malaysian Construction Industry	FSPU, UiTM, IEEE	5 -6 October 2015	
Penilai kertas kerja untuk CSSR 2015 - SEaC (Sustainable Engineering & Construction): Energy Performance of a Building Form with Internal Courtyard: A Parametric Analysis	FSPU, UiTM, IEEE	5 -6 October 2015	

Penilai kertas kerja untuk CSSR 2015 - SoBes (Social and Behavioural Science): Practice of Internal Control and Risk Management in Islamic Micro Finance Instruments (IMFIs)	FSPU, UiTM, IEEE	5 -6 October 2015
Penilai kertas kerja untuk CHUSER 2014: The Influence of Strain evaluation Using FBG Sensor to Steel Embedded In Concrete Due to Corrosion Activity	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014 : Framework Development of Sungai Penchala's Urban Catchment Water Quality Decision Support System	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Experimental Investigation of Hydrodynamic Force Coefficients on Rigid Vertical Cylinders	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Macroscopic Merging Model Deveopment	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Chemical and Mechanical Characterization of Heat Treated Hardwood Timbers	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Nano Metakaolin: A New Nano Materials for Concrete	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Determination of Slow Shearing Rate for Consolidation Drained Shear Box Tests Carry Out on Malaysian Residual Soils	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Flexural Behavior of High Performance Basalt Fibre Reinforced Concrete Beams: 3D Nonlinear FE Analysis	FSPU, UiTM, IEEE	7 April -9 April 2014

Penilai kertas kerja untuk CHUSER 2014: A Preliminary Characterization of Dredged Marine Sediments in Peninsular Malaysia Based on Physico-chemical Properties	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Survival of Escherichia Coli in Marine Environment: Effect of Salinity Level Exposure	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Pushover Analysis for Jacket Platform-Sensitivity Study and Safety Ratios	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Particle Breakage of Granular Materials-A Review	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: An Experimental Investigation of the Responses of Classic Spar Platform Subjected to Bi-directional Waves	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Matrix Integration of Schedule & Cost to Predict Offshore Structure Project Cost	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Roof Wind Pressures for Permeable Buildings	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Experimental Theoretical of Wave Forces on Rigid Vertical Cylinders	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Comparison of Canopy Roof Wind Pressures in Different Codes	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Roof Wind Pressures for Duopitch Roof Permeable Buildings	FSPU, UiTM, IEEE	7 April -9 April 2014
Penilai kertas kerja untuk CHUSER 2014: Exploration of Merging Traffic Performance on the Exclusive Motorcycle Lane	FSPU, UiTM, IEEE	7 April -9 April 2014

Penilai kertas kerja untuk ISBEIA 2012: Local Fruit Waste as A Potential Biosorbent for Wastewater Containing Heavy Metals : An Overview	FSSR, FKM, UiTM, IEEE	18 Mei 2012
Penilai kertas kerja untuk ISFRAM 2014: Performance of Optimization Approaches for Evacuation Vehicle Routing Problem	FKA, UiTM	20 August 2014
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Evaluation of Settlement Improvement Factor in Soil treated With Stone Column	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Performance of electrokinetic Method for Remediation of Contaminated Soil	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Shear Band Formation at The Interface reaction of Sand- Geosynthetic Reinforcement by Simulation of Pullout Test Using Discrete Element Modelling	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Infiltration Approaches in Hydrological Modelling;A review	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Effect of Porosity, Permeability And Water Absorption On Concrete Containing Metakaolin	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): A Laboratory Study On Shear Strength Of Soil Under Unsoaked And Soaked Condition	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013 (Civil Engineering and Applications): A Review For Hybrid Foundation Over Thick Soft Soil	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013

Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Retrofitted Precast Beam-Column Joint with Corbels Using Carbon Fiber Reinforced Polymer(CFRP) and Steel Plate Bonding	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Large Structures Stability Monitoring Using High Performance Reflectorless Total Station	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Effect of The Pretreatment of Oil Palm Trunk Fiber on The Mechanical Properties of OPTF-Cement Composite	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Bending Strength Properties of Malaysian Tropical Timber in Structural Size	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Nutrient Transport Modelling:A Review On Model Capabilities	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Hydraulic Efficiency of A Perforated Semicircular Breakwater With A Truncated Wave Screen	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk SHUSER 2013(Civil Engineering and Applications): Interaction Between Heavy Vehicles 'Tyre Inflation Pressure and Contact Area Effect On Flexible	FSSR, FKM, UiTM, IEEE	23 Jun-26 Jun 2013
Penilai kertas kerja untuk InCIEC 2013 (Geotechnical Engineering): Groundwater Level Detection by Using A Two-Dimensional Electrical Resistivity Imaging	BATH UNIVERSITY, IIESM, FKA UiTM	22-25 September 2013

Penilai kertas kerja untuk InCIEC 2013(Timber Engineering): Strength Assesment of Malaysian Timbers in Structural Size	BATH UNIVERSITY, IIESM, FKA UiTM	22-25 September 2013
Penilai kertas kerja untuk InCIEC 2013(Timber Engineering): Stiffness Modelling of Non-Metallic Timber Connectons with Pultruded Dowels	BATH UNIVERSITY, IIESM, FKA UiTM	22-25 September 2013
Penilai kertas kerja untuk InCIEC 2013(Innovative Construction Materials & Structures): Mechanical Properties of Modular Cement Block Reinforced with Treated Oil Palm Trunk Fiber	BATH UNIVERSITY, UM, IIESM, FKA UiTM	22-25 September 2013
Penilai kertas kerja untuk InCIEC 2013 (Timber Engineering): Ultrasonicwave Non-Destructive Method for Predicting the Modulus of Elasticity of Timber	BATH UNIVERSITY, IIESM, FKA UiTM	22-25 September 2013
Penilai kertas kerja untuk InCIEC 2013(Innovative Construction Materials & Structures): Effects of Fly Ash As Cement Replacement in Concrete	BATH UNIVERSITY, IIESM, FKA UiTM	22-25 September 2013
Penilai kertas kerja untuk InCIEC 2013(Innovative Construction Materials & Structures): The Effect of Steel Fibre On Flexural Strength of Fibre Reinforced Concrete At High Temperature	BATH UNIVERSITY, IIESM, FKA UiTM	22-25 September 2013
Penilai kertas kerja untuk InCIEC 2013(Innovative Construction Materials & Structures): Compressive Behavior of Steel Fiber Reinforced Concrete After Exposed to high Temperature	BATH UNIVERSITY, IIESM, FKA UiTM	22-25 September 2013
Reviewer for BEIAC 2013(Civil Engineering & Applications): Toward Sustainability in Construction Industry:The Importance of Final Account Closing Satisfaction	BATH UNIVERSITY, IIESM, FKA UiTM	20 March 2013

Reviewer for BEIAC 2013(Civil Engineering & Applications): Torsional Behavior of Axially Discontinuous Thin-Walled Steel Frames with Compound Lip	BATH UNIVERSITY, IIESM, FKA UiTM	20 March 2013
Reviewer for BEIAC 2013(Civil Engineering & Applications): Night Time Driving Perception and Visual Performance Under Adverse and Clear Weather Conditions While Maneuvering on Urban Roadway Curve	BATH UNIVERSITY, IIESM, FKA UiTM	20 March 2013
Penilai kertas kerja untuk InCIEC 2013(Innovative Construction Materials & Structures): Fibre Reinforced Modulus of Elasticity and Compressive Strength of Foamed Concrete	BATH UNIVERSITY, IIESM, FKA UiTM	22-25 September 2013
Penilai kertas kerja untuk CHUSER 2012: Using Close Range Photogrammetry Techniques for Landslide Monitoring in Seri Iskandar, Perak	FSPU, UiTM/ IEEE	3-4 DISEMBER 2012
Penilai kertas kerja untuk BEIAC 2013: Torsional behavior of axially discontinuous thin-walled steel frames with compound lip	UiTM, IEEE	21 March 2013
Penilai kertas kerja untuk BEIAC 2013: Achieving Sustainability in Construction through Final Account Closing Satisfaction Approach	UiTM, IEEE	21 March 2013
Penilai kertas kerja untuk BEIAC 2013: Toward Sustainability in Construction Industry: The Importance of Final Account Closing Satisfaction	UiTM, IEEE	21 March 2013

**PERSIDANGAN**  
(CONFERENCE)

Senaraikan menurut turutan masa dari yang terkini, sejak dilantik ke jawatan sekarang.  
(*list of conferences – most recent first, since your current appointment*)



Nama Persidangan (Conference)	Penganjur/Tajaan (Host/sponsors)	Peranan (Roles)	Tarikh (Date(s))
CONFERENCE OF CONCRETE TECHNOLOGY (CONCET 2016)	FAKULTI KEJURUTERAAN AWAM, UITM & IEM	AJK PENERBITAN	Jun-16
2015 ENVIRONMENTAL AND CIVIL ENNGIEERING TECHNOLOGY INTERNATIONAL CONFERENCE (ENVICET 2015)	MALAYSIAN TECHNICAL SCIENTIST ASSOCIATION	PEMBENTANG KERTAS KERJA	1 - 3 DISEMBER 2015
INTERNATIONAL SEMINAR FLOOD RESEARCH AND MANAGEMENT (ISFRAM 2015)	FAKULTI KEJURUTERAAN AWAM, UITM	AJK PENERBITAN	5-6 OKTOBER 2015
INTERNATIONAL CIVIL AND INFRASTRUCTURE ENGINEERING CONFERENCE (INCIEC 2015)	IIESM, FKA, BATH UNIVERSITY, & IEEE	AJK PENERBITAN	22-23 OKTOBER 2015
IAMHALAL INTERNATIONAL MALAYSIA HALAL CONFERENCE	FBM, UiTM	AJK PENERBITAN	1-2 April 2015
PEN. PENERUSI 2ND INTERNATIONAL CONFERENCE OF SCIENCE AND SOCIAL RESEARCH 2015 (CSSR 2015)	IRMI, UiTM	PENOLONG PENERUSI	15 NOV. 2014
PENERUSI INTERNATIONAL CIVIL AND INFRASTRUCTURE ENGINEERING CONFERENCE (INCIEC 2014)	IIESM, FKA, BATH UNIVERSITY, UNIVERSITI GADJAH MADA & IEEE	PENERUSI	11 MAC 2014
INTERNATIONAL SEMINAR FLOOD RESEARCH AND MANAGEMENT (ISFRAM 2014)	FAKULTI KEJURUTERAAN AWAM, UITM	AJK PENERBITAN	28-29 SEPTEMBER 2014

SECOND INTERNATIONAL CONFERENCE ON ADVANCED MICRO AND NANOCOMPOSITE FOR ENGINEERING (ICNC 2014)	IIESM & FKA, MAHATMA GHANDI UNIVERSITY & IEEE	PEN. Pengerusi	6-8 April 2014
POST GRADUATE SEMINAR (SEMESTER SEPT 2013 - JAN 2014)	FAKULTI KEJURUTERAAN AWAM, UITM	AHLI JAWATANKUASA	SEPT 2013- JAN 2014
POST GRADUATE SEMINAR (SEMESTER MAC SEPT 2013)	FAKULTI KEJURUTERAAN AWAM, UITM	AHLI JAWATANKUASA	MAC - SEPT 2013
INTERNATIONAL POSTGRADUATE SEMINAR 2013	FKA, UITM	PANEL	25-26 JUN 2013
PENGERUSI INTERNATIONAL CIVIL AND INFRASTRUCTURE ENGINEERING CONFERENCE (INCIEC 2013)	IIESM, FKA, BATH UNIVERSITY, UNIVERSITI GADJAH MADA & IEEE	PENGERUSI	30 MEI 2013
MALAYSIA - JAPAN CIVIL & ENVIRONMENTAL ENGINEERING SYMPOSIUM 2013	FKA, UITM	POSTER PRESENTATION	20 MAC 2013
2012 IEEE SYMPOSIUM ON BUSINESS, ENGINEERING & INDUSTRIAL APPLICATION (ISBEIA 2012)	IEEE MALAYSIA PEL/IE/IA JOINT CHAPTER	PEMBENTANG KERTAS KERJA	23-26 September 2012
NATIONAL POSTGRADUATE SEMINAR 2012	FACULTY KEJURUTERAAN AWAM, UITM	TECHNICAL PAPER COMMITTEE	16-18 JULAI 2012
1ST INTERNATIONAL CONFERENCE ON ADVANCED MICRO AND NANOCOMPOSITE FOR ENGINEERING (ICNC 2013)	IIESM & FKA, MAHATMA GHANDI UNIVERSITY & IEEE	SETIAUSAHA	4 JUN 2012

2010 IEEE SYMPOSIUM ON INDUSTRIAL ELECTRONICS AND APPLICATIONS INCORPORATING COLLOQUIUM ON HUMANITIES, SCIENCE AND ENGINEERING RESEARCH (ISIEA)	IEEE MALAYSIA PEL/IE/IA JOINT CHAPTER	PEMBENTANG KERTAS KERJA	3-5 OKTOBER 2010
INTERNATIONAL ADVANCED TECHNOLOGY CONGRESS (ATCi2009)	INSTITUTE OF ADVANCE TECHNOLOGY (ITMA), UPM	PEMBENTANG KERTAS KERJA	3-5 NOVEMBER 2009

<b>PANEL PENILAI/PEMERIKSA/ HAKIM (FAKULTI)</b>			
Tarikh (Date(s))	Jawatan (Position)	Jabatan/Fakulti/ Jawatankuasa/ Badan/Institusi (Department/Faculty/Committee/Bodies/ Institution)	Penjelasan Peranan dan Sumbangan (Description of role & contribution)
9 Dis 2015	Panel disertasi ECD727/ECS738: Sesi Sept 2015 - Jan 2016 Program Pascasiswazah Fakulti Kejuruteraan Awam (Kerjakursus)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar berseesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan

16 Disember 2014	Pelantikan Sebagai Panel Disertasi (ECD728)	FKA UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
12 Disember 2014	Pelantikan Sebagai Panel Disertasi II (ECD727)	FKA UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
14 November 2014	Pelantikan Sebagai Panel Penilai Bagi Defence Research Proposal PHD EC950 sesi Sep-Jan 2015	FKA UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
20 Ogos 2014	Bengkel Semakan Kurikulum Pascasiswazah Kejuruteraan Awam	FKA UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan

05-Jun-14	Perlantikan Sebagai Panel Disertasi (ECD728) Program Pascaijazah FKA (kerja Kursus)	FKA UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
15 Mei 2014	Panel Penilai bagi Defence Research Proposal EC950 Pelajar Pasca Siswazah (Penyelidikan) Sesi Mac-Julai 2014	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
21-Apr-14	Lantikan Sebagai Panel Colloqium EC950 (Penyelidikan) Sesi Mac-April 2014	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
08-Jan-14	Panel Disertasi II ECD727 program pascaijazah fakulti kejuruteraan awam (kerja kursus)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan

10 Dec 2013	Panel ECD717(disertasi I)sesi Sep 2013-Jan 2014.Program siswazah kerjakursus	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
8 Nov 2013	Panel Penilai "Defence Research Proposal EC780/EC750 Pelajar Pascasiswazah(Penyelidikan)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
30 October 2013	Panel kolokium pascasiswazah Fakulti Kejuruteraan Awam Sesi Sept 2013 - Jan 2014	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
17 June 2013	Panel Penilai "Technical paper and Presentation in International Postgraduate Seminar 2013"	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan

4 June 2013	Panel disertasi ECD727/ECS737(disertasi II)program ijazah sarjana sains Kej.Awam (kerjakursus)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
29 Mei 2013	Panel Penilai bagi Defence Research Proposal EC990 Pelajar Pasca Siswazah (Penyelidikan)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
29 Mei 2013	Panel Penilai bagi Defence Research Proposal EC780 Pelajar Pasca Siswazah (Penyelidikan)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
21 Mei 2013	Panel ECD717 (Disertasi 1): Sesi Mac 2013-Julai 2013 Program Ijazah Sarjana Sains Kejuruteraan Awam (Secara Kerja Kursus)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan

7 Mei 2013	Panel Kolokium Pascasiswazah Fakulti Kejuruteraan Awam Sesi Mac - Julai 2013	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
18 April 2013	Panel temuduga Biasiswa Program Ahli Sains & Penyelidik Muda(PSPM)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
5 Februari 2013	Panel temuduga Biasiswa Program Ahli Sains & Penyelidik Muda(PSPM)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
14 Januari 2013	Panel disertasi ECD727/ECS737(disertasi II)program ijazah sarjana sains Kej.Awam (kerjakursus)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
7 Mei 2013	Panel Kolokium Pascasiswazah Fakulti Kej.Awam Sesi Mac-Julai 2013	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan



17 Disember 2012	Panel Kolokium Pascasiswazah Fakulti Kej.Awam Sesi September 2012-Jan. 2013	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian
26 November 2012	Panel disertasi ED717(disertasi I)sesi Mac 2013-Julai 2013.Program ijazah sarjana sains Kej.Awam (keriakursus)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
20 Jun 2012	Panel Penilai 'National Seminar Postgraduate students'	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian <del>penyelidikan</del>
19 Jun 2012	Panel disertasi ECD727/ECS737(disertasi II)program ijazah sarjana sains Kej.Awam (kerjakursus)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
5 June 2012	Panel penilai "Research Methodology" Defence Proposal pelajar pasca siswazah (penyelidikan)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian <del>penyelidikan</del>
5 June 2012	Panel disertasi ECD717 pelajar program Ijazah Sarjana Sains Kej.Awam(kerja kursus)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan

7 Mei 2012	Panel Penilai untuk sesi pembentangan cadangan penyelidikan semester Mac 2012-Sept 2012	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
18 Januari 2012	Panel Penilai & Panel "Research Methodology Defence Research Proposal Pelajar Pasca Siswazah (penyelidikan)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan
27 Dis 2011	Panel disertasi ECD717 pelajar program Ijazah Sarjana Sains Kej.Awam(kerja kursus)	Fakulti Kejuruteraan Awam, UiTM	Menilai hasil kerja pelajar bersesuaian dengan peringkat pengajian untuk keseluruhan aktiviti dan pelaporan kajian penyelidikan

**SANJUNGAN DAN ANUGERAH AKADEMIK**  
(GLORIFICATION AND ACADEMIC AWARDS)

(Contoh: 'Fullbright', Monbusho dll)

Sejak menjawat jawatan sekarang, mengikut susunan bermula dari yang terkini  
(*list of glorification and academic awards – most recent first, since your current appointment*)

Nama Anugerah/ Hadiah (Awards Title)	Institusi Penganugerah (Confer by)	Jumlah Grant/ Basiswa Amount of Grant/Scholarship	Tarikh (Date)
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BIASISWA STAFF 2007	UiTM	RM100,000	JUN 2007 - JUN 2010
Geran Dana Dalam (PSI dan CIFI)	IRMI	RM 120,000	Feb 2014 -NOV 2016