



**UPNM**  
National Defence University of Malaysia  
Kewajipan • Maruah • Integriti

**PEJABAT PENDAFTAR**  
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## CURRICULUM VITAE



### I. PERSONAL PARTICULARS

<b>Name</b>	<b>TS. DR. FADHLINA BINTI CHE ROS</b>
<b>Current Position</b> <b>Faculty / Department</b>	<b>SENIOR LECTURER (DS52)</b>

**II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS**

(Please list all academic qualifications, from your first degree, in chronological order)

Year	Degree	Discipline	University
2002	Bac. of Science (Hons)	Pure Physics	Universiti Putra Malaysia
2006	MSc. in Materials Science	Physics	Universiti Putra Malaysia
2013	Doctor of Philosophy (PhD)	Materials Science & Engineering	The University of Sheffield, UK

**III. TITLES OF POSTGRADUATE THESES WRITTEN (At MSc/PhD Level)**

No.	TITLES OF POSTGRADUATE THESES
1.	Dielectric Properties of Ceramics $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ Substituted with Sr, Ba - MSc
2.	Synthesis and Characterisation of New Dielectrics Materials – PhD

**IV. WORK EXPERIENCE (Please list your relevant experience in chronological order)**

Year	Position	Organisation	Start and End Date
2003 – 2006	Research Assistant	UPM	May 2003 – Sept 2006
2007 – 2008	Executive	SIRIM Berhad	Apr 2007 – June 2008
2008 – 2014	Lecturer	UPNM	15 July 2008 – 31 Dec 2013
2014 - Present	Senior Lecturer	UPNM	1 Jan 2014 - Present

**1.0 TEACHING AND SUPERVISION****1.1 Postgraduate Courses**

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
1.	Research Methodology : Research Paper Writing – Part 1	I & II	2021
2.	Research Management and Ethics	I & II	2024

**1.2 First Degree Courses**

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
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	NIL		
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### 1.3 Diploma Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
	NIL		

### 1.4 Pre-Degree Courses

(Please list in chronological order and state: course title, semester and year)

No.	Course Title	Semester	Year
1.	Physics I	I	2008 - Present
2.	Physics II	II	2008 - Present
3.	Mathematics I	I	2008 / 2009
4.	Mathematics II	II	2008 / 2009
5.	Physics Lab I	I	2008 - Present
6.	Physics Lab II	II	2008 - Present
7.	Mathematics I	I	2016 / 2017

### 1.5 PhD Supervision

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status <ul style="list-style-type: none"> <li>• Completed</li> <li>• Submitted</li> <li>• In Progress</li> </ul>	University
	NIL					

### 1.6 PhD External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University

### 1.7 MSc (by Research)

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role	Status <ul style="list-style-type: none"> <li>• Completed</li> <li>• Submitted</li> <li>• In Progress</li> </ul>	University
1.	Rabiatul Adawiyah Mohd Darwis	Comparative Analysis of Essential Oils Extracted from Local Plants and Their Repellent Properties	5 Jan 2020	Main SV	Completed	UPNM
2.	Nur Dinie Syahirah Sanusi	Characterization of Soil Treated Fertilizers and Optimization Studies on AB Mix Nutrients Usage Towards <i>Capsicum frutescens</i>	1 Sept 2021	Main SV	Submitted	UPNM
3.	Ahmad Rafaie Mat	Aplikasi Hukum Fizik dalam Lakuan Sepakan Sukan Bola Sepak	Jan 2023	Co- SV	In Progress	UPNM

### 1.8 MSc External/Internal Examination

(Please list in chronological order)

No.	Name of Student	Project Title	External / Internal	Date of Viva	University
1.	Nur Farisa Nadia Mohamad Lehan	Radiation Dose Effect on Micromechanical Properties Microstructure Evolution and Thermal Stability of Sn-Ag-Co Solder	Internal	7 Nov 2022	UPNM

## 1.9 Supervision (Postgraduate Research Project or Final Year Research Project)

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main/Co-Supervision)	Status <ul style="list-style-type: none"> <li>• Completed</li> <li>• Submitted</li> <li>• In Progress</li> </ul>
	NIL				

## 2.0 RESEARCH, PUBLICATION AND PRESENTATION

### 2.1 Research Projects

(Please list in chronological order and state: title, list of researchers, grant/year, source/amount and status)

No.	Title	List of Researchers <ul style="list-style-type: none"> <li>• Principal</li> <li>• Members</li> </ul>	Grant Year	Source Amount	Status <ul style="list-style-type: none"> <li>• Completed</li> <li>• In Progress</li> </ul>
1.	Functionalized Carbon Nanotubes in Adsorption of Heavy Metals Species from Aqueous Solution	<b>Principle:</b> Fadhlina Che Ros <b>Members:</b> Norli Abdullah, Wan Md Zin Wan Yunus, Ali Rinaldi	2014	RAGS grant (RM 29,850)	Completed
2.	Mechanism of Carbon Dioxide Adsorption using Waste Material	<b>Principle:</b> Syed Mohd Shafiq Syed Ahmad <b>Members:</b> Wan Md Zin Wan Yunus, Mansor Ahmad@Ayob, Nor Azowa Ibrahim, Norli Abdullah, Fadhlina Che Ros, Ong Keat Khim	2014	Short Term Grant (GPJP) (RM 15,000)	Completed
3.	Characterisation of New Microwave Dielectrics of	<b>Principle:</b> Fadhlina Che	2015	RACE Grant (RM 50,000)	Completed

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
	$A_{1-x}Y_xWO_4$ (A = Zn) (Y = Mg, Ca) Ceramics	<b>Ros</b> <b>Members:</b> Jumiah Hassan, Rozana Aina Maulat Osman, Norli Abdullah, Shahrul Izwan Ahmad			
4.	Characterisation of Newly Developed Ag/Epoxy Polyurethane Bio-Nanocomposite	<b>Principle:</b> Siti Aminah Mohd Noor <b>Members:</b> Mansor Ahmad, Wan Md Zin Wan Yunus, Ong Keat Khim, Norli Abdullah, <b>Fadhlina Che Ros</b> , Syed Mohd Shafiq Syed Ahmad	2015	RACE Grant (RM 50,000)	Completed
5.	The Effect of Metal Supported Catalyst on the Conversion, Selectivity and Yields of Biofuel from Microalgae	<b>Principle:</b> Norli Abdullah <b>Members:</b> Taufik Yap Yun Hin, <b>Fadhlina Che Ros</b> , Emmy Maryati Omar, Imran Syakir Mohammad	2015	RACE Grant (RM 50,000)	Completed
6.	A Fundamental Studies on Microwave Properties of Silver Niobate ( $AgNb_4O_{11}$ ) Based Materials for the use in Wireless Communication and Antennas Devices	<b>Principle:</b> <b>Fadhlina Che Ros</b> <b>Members:</b> Fauziah Abd. Aziz, Rozana Aina Maulat Osman, Noor Fadhilah Rahmat, Faizah Che Ros, Mohd Nor Latif	2017	FRGS Grant (RM 79,712)	Completed
7.	Enhanced Dielectric and Piezoelectric Property of Oxides Based Materials	<b>Principle:</b> Rozana Aina Maulat Osman	2018	FRGS Grant (RM 79,000)	Completed

No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
	(1-X)(BZTS)(X)(BCTZ) for Energy Harvester Applications	<b>Members:</b> Shahrul Ainliah Alang Ahmad, Mohd Sobri Idris, Prabakaran Poopalan, <b>Fadhlina Che Ros</b> , Zul Azhar Zahid Jamal, Shahrir Rizal Kasjoo			
8.	Extraction of Herbs Leaves using Microwave-Assisted Extractor for Development as Mosquito Repellent for Textile Application	<b>Principle:</b> <b>Fadhlina Che Ros</b> <b>Members:</b> Norhana Abd. Halim, Siti Zulaikha Ngah Demon, Norhazlina Musa Kutty, Ariffin Ismail	2020	Self-Fund	Completed
9.	Microwave Extraction of Essential Oils from <i>Melissa officinalis</i> and <i>Pelargonium radula</i>	<b>Principle:</b> <b>Fadhlina Che Ros</b> <b>Members:</b> Hidayati Hamdan, Norhana Abd Halim and Huda Osman	2021	Internal Grant - GPJP (RM 20,000)	Completed
10.	Optimization Condition of AB mix Nutrient and Microwave Properties Relationship with Soil Fertility	<b>Principle:</b> <b>Fadhlina Che Ros</b> <b>Members:</b> Siti Zulaikha Ngah Demon, Ismayadi Ismail, Dinie Syahirah Sanusi	2022	Self-Fund	Completed

## 2.2 Publications

### 2.2.1 Academic Journal

(Please list in chronological order and state: authors, year, title, publisher/journal, volume and number of pages (Please bold your name))

No.	Authors, year, title, publisher/journal, volume and number of pages (Please bold your name)	Type of Journal • ISI • SCOPUS • Peer-Reviewed
1.	<b>Fadhlina Che Ros</b> and A. R. West, 2014, <i>Crystal Structure of CaTa<sub>4</sub>O<sub>11</sub> Synthesised via Solid State Reaction Route</i> , ZULFAQAR International Journal of Defense Science, Engineering & Technology (IJDSET), 1, pg. 65	Peer-Reviewed
2.	K.K. Ong, A.F.A. Tarmizi, W.M.Z.Wan Yunus, K.M. Safidin, A. Fitrianto, <b>Fadhlina Che Ros</b> , A.G. Hussin, A.F.M. Azmi, 2014, ZULFAQAR International Journal of Defense Science, Engineering & Technology (IJDSET), 2, pg. 71	Peer- Reviewed
3.	Keat Khim Ong, A. T. Ahmad Farhan, W. M. Z. Wan Yunus, Ahmad Mujahid Ahmad Zaidi, M. L. Jabit, A., Fitrianto, K. M. Safidin, U. F. Abdul Rauf, <b>Fadhlina Che Ros</b> , A. G. Hussin & M. B. Ahmad, 2016, <i>Factorial Design Analysis of Zn(II) Ions Adsorption on Thermally Treated Rice Husk</i> , Modern Applied Science, 10	SCOPUS
4.	<b>Fadhlina Che Ros</b> , 2017, <i>Rietveld Refinement Strategy of CaTa<sub>4</sub>Nb<sub>x</sub>O<sub>11</sub> Solid Solutions using GSAS EXPGUI Software Package</i> , Materials Science Forum, 888, pg. 167 [DOI: 10.4028/www.scientific.net/MSF.888.167]	SCOPUS
5.	Soleha Mohamat Yusuff, K. K. Ong, W. M. Z. Wan Yunus, A. Fitriano, M. Ahmad, N. A. Ibrahim, <b>Fadhlina Che Ros</b> , C. C. Teoh and S. N. M. Tawil, 2017, <i>Adsorption of Carbon Dioxide by Reusing Drinking Water Treatment Plant Sludge</i> , Asian Journal of Chemistry, 29, pg. 2665	SCOPUS
6.	Eza Nuraiena Sota, <b>Fadhlina Che Ros</b> and Jumiah Hassan, 2018, <i>Synthesis and Characterisation of AWO<sub>4</sub> (A = Mg, Zn) Tungstate Ceramics</i> , Journal of Physics, pg. 1083 [DOI: 10.1088/1742-6596/1083/1/012002]	SCOPUS
7.	<b>Fadhlina Che Ros</b> , 2018, <i>Structure, Electrical and Microwave Properties of CaTa<sub>4</sub>O<sub>11</sub> and Solid Solutions Ceramics</i> , Journal of Computational & Theoretical Nanoscience, 24(11), pg. 8908 [DOI: 10.1166/asl.2018.12373]	SCOPUS
8.	<b>Fadhlina Che Ros</b> , N. Reeves McLaren, N. Maso and A. R. West, 2018, <i>Synthesis, Structure and Dielectric Properties of a New Family of Phases, ABC<sub>3</sub>O<sub>11</sub> : A = La, Pr, Nd, Sm, Gd ; B = Zr, Hf ; C = Nb, Ta</i> , Journal of the Australian Ceramic Society, 54, pg. 1 [DOI: 10.1007/s41779-018-0236-x]	ISI
9.	<b>Fadhlina Che Ros</b> , 2018, <i>Structure, Electrical and Microwave Properties of CaTa<sub>4</sub>O<sub>11</sub> and Solid Solution Ceramics</i> , Advanced Science Letters, Vol. 24, No. 11, pg. 8908 [DOI: 10.1166/asl.2018.12373]	Google Scholar
10.	Norli Abdullah, Hasliza Bahruji, <b>Fadhlina Che Ros</b> , Imran Syakir Mohamad, 2020, <i>The Influence of Pd Nanoparticle Size on Pd/TiO<sub>2</sub> Catalysts for Cinnamaldehyde Hydrogenation Reaction</i> , Malaysian Journal of Analytical Sciences, Vol. 24 No. (5), pg. 727	SCOPUS
11.	<b>Fadhlina Che Ros</b> and Jumiah Hassan, 2020, <i>Synthesis and Equivalent Circuit of LaZrTa<sub>3</sub>O<sub>11</sub> Prepared via Solid State Method</i> , Malaysian Journal of	SCOPUS



	Analytical Sciences, 2020, Volume 24 No(5), pg. 757	
12.	<b>Fadhlina Che Ros</b> , Shahrul Izwan Ahmad, Fadhlul Wafi Badrudin, Siti Hasnawati Jamal, Norli Abdullah and Norhana Abdul Halim, 2021, <i>Preliminary Studies on Ag<sub>2</sub>Nb<sub>4</sub>O<sub>11</sub> Ceramics and Investigation on Purity and Thermal Stability of Ag<sub>2</sub>O Raw Material Used to Synthesis Ag<sub>2</sub>Nb<sub>4</sub>O<sub>11</sub> using Thermal and Phase Analysis Method</i> , Zulfaqar International Journal of Defense Science, Engineering & Technology, Vol 4 (2)	Peer-Reviewed
13.	Rabiatul Adawiyah Mohd Darwis, <b>Fadhlina Che Ros</b> , Nurul Huda Osman and Norhana Abdul Halim, 2022, <i>Natural vs. Synthetic Repellents on Treated Clothing: Advantages, Challenges and Their Efficacy</i> , Jurnal Teknologi, 85:2 pg. 201	ISI
14.	<b>Fadhlina Che Ros</b> , 2023, <i>The Bulk Properties and Equivalent Circuit of CaTa<sub>4</sub>O<sub>11</sub> and Solid Solutions</i> , Malaysian Journal of Chemistry, Vol. 25(3), pg. 184	SCOPUS
15.	Rabiatul Adawiyah Mohd Darwis, Mohd Izzat Arslan Che Ros, Nurafiqah Farhana Muhd Yazid and <b>Fadhlina Che Ros</b> , 2024, <i>Chemical Composition of Hydrodistillation and Solvent-Free Microwave Extraction of Essential Oils from Plectranthus Amboinicus and Melaleuca Cajupati Leaves and Their Repellent Activity</i> , AIP Conference, 3023, 020015 [DOI: 10.1063/5.0188343]	SCOPUS

### 2.2.2 Book/Chapter in Book:

(Please list in chronological order and state: authors, year, title, publisher, volume and number of pages  
(Please bold your name)

No.	Authors, year, title, publisher, volume and number of pages (Please bold your name)	Level <ul style="list-style-type: none"> <li>• International</li> <li>• National</li> <li>• University</li> </ul>
1.	Azuraida Amat, <b>Fadhlina Che Ros</b> , Fadhlul Wafi Badrudin et al., 2023, Physics 1 for Foundation Studies, UPM	University

### 2.2.3 Proceeding Articles :

(Please list in chronological order and state: authors, year, title, publisher/conference, volume and number of pages (Please bold your name)

No.	Authors, year, title, publisher/conference, volume and number of pages (Please bold your name)	Level <ul style="list-style-type: none"> <li>• International</li> <li>• National</li> <li>• University</li> </ul>
1.	<b>Fadhlina Che Ros</b> and AR West, 2014, <i>Synthesis and Electrical Properties of CaTa<sub>4</sub>O<sub>11</sub> and Solid Solutions</i> , Int. Conference on Functional Materials & Metallurgy 2014	International

2.	Norli Abdullah, <b>Fadhlina Che Ros</b> and Wan Mad Zin Wan Yunus, 2014, <i>Influence of Surface Treatment and Dispersion Method of Stacked up CNTs on the Adsorption of Arsenic (II) Ion</i> , Advanced Materials	International
3.	Nur Dinie Syahirah Sanusi and <b>Fadhlina Che Ros</b> , 2023, Optimization of AB Mix Fertilizer for <i>Capsicum frutescens</i> in Soilless Media using Response Surface Methodology, 12 <sup>th</sup> Kuala Lumpur Int. Agriculture, Forestry and Plantation Conference 2023 (KLIAFP 2023), e-ISSN: 2682-8758, pg. 15	International

### 2.3 Presentation:

(Please list in chronological order)

No.	Event	Title of Paper Presented	Role (Keynote Speaker / Invited Speaker / Presenter)	Date	Organizer
1.	Postgraduate Seminar of Materials Science & Engineering, Univ. of Sheffield	Introduction to $\text{Ag}_2\text{Nb}_4\text{O}_{11}$	Presenter	Mar 2010	The Univ. of Sheffield
2.	ZING Conference: Solid State Chemistry 2012	New Family Phases of $\text{REMY}_3\text{O}_{11}$ , A $\text{LaZrTa}_3\text{O}_{11}$ Isotype	Presenter	25 Feb 2012	Solid State Chemistry Association
3.	Int. Conference on Functional Materials & Metallurgy (ICoFM 2013)	Synthesis and Electrical Properties of $\text{CaTa}_4\text{O}_{11}$ and Solid Solutions	Presenter	17 Dec 2013	Universiti Malaysia Perlis, Unimap
4.	Kolokium Sains dan Teknologi Pertahanan 2014	Crystal Structure of $\text{CaTa}_4\text{O}_{11}$	Presenter	19 Feb 2014	UPNM
5.	Kolokium & Pameran Penyelidikan dan Inovasi UPNM 2014	Functionalized Carbon Nanotubes on Adsorption of Heavy Metals Species from Aqueous Solution	Presenter	3 Jun 2014	UPNM
6.	Defence, Security and Sustainability Colloquium & Exhibition (DSS 2015)	Adsorption of Zinc (II) Ions by Thermally Treated Rice Husk	Participant	29 Apr 2015	UPNM
7.	5 <sup>th</sup> Int. Conference on Functional Materials & Devices (ICFMD 2015)	Structural Properties and Impedance Analysis of $\text{LaZrTa}_3\text{O}_{11}$ Ceramics	Presenter	4 Aug 2015	Centre for Ionics, Universiti Malaysia

8.	Int. Conference on X-rays & Related Technique in Research & Industry 2016	Rietveld Refinement of $\text{CaTa}_{4-x}\text{Nb}_x\text{O}_{11}$ Solid Solutions using GSAS Software	Presenter	17 Aug 2016	Nuclear Malaysia
9.	Defence Security and Sustainability 2017 (DSS 2017) UPNM	Synthesis and Structure Properties of $\text{AWO}_4$ (A = Mg, Zn) Tungstate Ceramic for the Use of Dielectric Resonator	Participant	10 July 2017	UPNM
10.	3 <sup>rd</sup> Advanced Research in Materials Sciences, Manufacturing, Mechanical and Mechatronic Eng. Technology Int. Conference (AR4MET 2017)	Structure, Electrical and Microwave Properties of $\text{CaTa}_4\text{O}_{11}$ and Solid Solutions Ceramics	Presenter / Session Chair	7 Nov 2017	Malaysia Technical Scientist Association
11.	Research Environment Amongst Department (READ) Seminar	Structure Analysis using Rietveld Refinement Method	Presenter	Apr 2019	Centre for Defence Foundation Studies, UPNM
12.	7 <sup>th</sup> Int. Conference on Solid State Science & Technology 2019 (ICSSST 2019)	8 New Phases of $\text{ABC}_3\text{O}_{11}$ : Discovery & Challenges	Invited Speaker / Session Chair	11 Nov 2019	The Malaysian Solid State Sciences & Technology Society (MASS) and UPNM
13.	1st Malaysia International Conference on Nanotechnology & Catalysis	The Bulk Properties and the Equivalent Circuit of $\text{CaTa}_4\text{O}_{11}$ and Solid Solutions	Presenter	1 Sept 2021	Nanotech. & Catalysis Research Centre (NANOCAT), Universiti Malaya
14.	Defence, Security and Sustainability Exhibition 2022 (DSS 2022)	Essential oils Extracted from Different Types of Plants using Microwave Assisted Extraction Method	Participant	3 Aug 2022	UPNM
15.		AB Fertilizer and Its Application in Urban Farming			
16.	The 12 <sup>th</sup> K. Lumpur Int. Agriculture, Forestry &	-	Participant	8 May 2023	UiTM & Nilai University

	Plantation Conference 2023				
17.	Int. Conference on Applied Science, Engineering and Advanced Technology (EAW-ICASEAT2023)	The Optimization Studies of AB Mix Fertilizers for <i>Capsicum frutescens</i> in Soilless Media using Response Surface Methodology Software	Presenter / Session Chair	24 Dec 2023	Semarak Ilmu Sdn. Bhd.

### 3.0 ACADEMIC RECOGNITION AND LEADERSHIP, CONSULTANCY, SERVICE TO THE UNIVERSITY AND SERVICE TO THE COMMUNITY

#### 3.1 Academic Recognition and Leadership

Academic recognition and leadership such as Academic Award, Academic Assessor/ /Promotion Assessor (External), Visiting Professor/Fellowship, Editorial Board and other academic recognition.

No.	Academic Recognition	Year	Level	Awarding Body / Name of Institution
1.	Coordinator Subject for Physics II (FPY0326) –	2013/2014	Department	UPNM
2.	Committee Member for Development of Defence Science Program	2014	University	UPNM
3.	Supervisor for Academic Assignment for Year II Student of Bac. in Human Resource Management	2014	University	UPNM
4.	Committee Member of Workshop for Journal Publication	2014	Faculty	UPNM
5.	Postgraduate Colloquium Assessor	2014	University	UPNM
6.	Coordinator Subject for Physics II (FPY0326) –	2014/2015	Department	UPNM
7.	Committee Member for E-Learning	2014	Faculty	UPNM
8.	Committee Member for E-Learning	2015	Faculty	UPNM
9.	Coordinator for New Program Bac. of Science (Physics)	2016	Department	UPNM
10.	Committee Member for New Program Bac. of Science (Forensic Science)	2016	University	UPNM
11.	Assessor for Postgraduate Proposal Defence & Colloquium	2026	University	UPNM

12.	Deputy Director for Workshop on New Program: Bac. of Science (Forensic Science & Investigation)	2016	Faculty	UPNM
13.	Assessor for Postgraduate Proposal Defence & Colloquium	2016	University	UPNM
14.	Assessor for Postgraduate Proposal Defence & Colloquium	2018	University	UPNM
15.	Chief Editor for Physics II Module	2018	Department	UPNM
16.	Committee Member for Knowledge Transfer Program (KTP) for STEM	2018	Faculty	UPNM
17.	Coordinator for Postgraduate Program (Physics)	2018	Faculty	UPNM
18.	Editor Board for Graduate Research Abstract Book	2018	University	UPNM
19.	Editor for Research Bulletin – 1 <sup>st</sup> Edition	2018	Faculty	UPNM
20.	Assessor for Postgraduate Proposal Defence & Colloquium	2019	University	UPNM
21.	Committee Member of Curriculum Review for Foundation Program	2020	University	UPNM
22.	Deputy Director of Small Committee (Teaching and Online Learning) for Foundation Program	2020/2021	University	UPNM
23.	Deputy Director of Small Committee (Online Learning Assessment) for Foundation Program	2020/2021	University	UPNM
24.	Committee Member of Academic Rule Book Review	2020	Faculty	UPNM
25.	Committee Member of Academic Quality	2020	Faculty	UPNM
26.	Assessor for Postgraduate Proposal Defence & Colloquium	2020	University	UPNM
27.	Committee Member of Postgraduate Studies	2021	Faculty	UPNM
28.	Assessor for Postgraduate Proposal Defence & Colloquium	2021	University	UPNM
29.	Committee Member of Academic Guideline Book for Postgraduates	2022	Faculty	UPNM
30.	Committee Member of New Program Development for Bac. of Science (Security in Industry)	2022	University	UPNM
31.	Assessor for Postgraduate Proposal Defence & Colloquium	2022	University	UPNM
32.	Internal Examiner for MSc (Physics) Nur Farisa Nadia	2022	University	UPNM
33.	Coordinator for Outreach Community Program (SMK Bandar Tasik Selatan)	2023	Faculty	UPNM

34.	Assessor for Postgraduate Proposal Defence & Colloquium	2023	University	UPNM
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### 3.2 Consultancy work that benefited to the University.

(Please list in chronological order and state: title, year, sponsor, value and duration of consultancy)

No.	Title	Year	Sponsor	Value	Duration
1.	Ass				

### 3.3 Service to the University

Service to the university such as Vice Chancellor/Deputy Vice Chancellor/Dean/Director, Deputy Dean/Deputy Director/Unit Coordinator/Hostel Warden, Programme Chairperson/ Assistant Warden/Fellow. Representing University in Sports and Other Non-Academic Activities. Professional/Academic Association (Committee Member).

(Please list in chronological order and state: position/membership and duration)

No.	Position/Membership	Duration
1.	Staff Development Coordinator of Centre for Defence Foundation Studies, UPNM	Apr 2009 – Mar 2010
2.	Committee Member of Bac. of Science (Defence Science) Program	Jan 2014
3.	Committee Member of Sub-Cluster for Science & Mathematics, UPNM	Mar 2014 – Feb 2015
4.	Committee Member of Research Lab Development, Faculty of Science and Defence Tech., UPNM	Apr 2014
5.	Committee Member of Measurement and Assessment Workshop, Centre for Defence Foundation Studies, UPNM	May 2015
6.	Coordinator Program for Bac. of Science (Physics)	Apr 2016
7.	Committee Member of Bac. of Science (Forensic Science) Program	May 2016
8.	Deputy Director of Preparation Document for New Program (Bac. of Science in Forensic and Investigation) Workshop	May 2016
9.	Committee Member of Pure Science Cluster, UPNM	May 2016 – May 2017
10.	Committee Member of Silicon Carbide Forum 2016	Oct 2016
11.	Representing UPNM in Netball for SUKUM 2017	2017

12.	The Malaysian Solid State Science and Technology (MASS) – Life Member	2017
13.	Malaysian Nuclear Society - Member	2017
14.	Organizing Committee for Educational Carnival and Exhibition at SMK Bandar Tasik Selatan	Mar 2018 – Apr 2018
15.	LDK Module Facilitator for Asasi and Diploma Orientation Week	Jun 2018
16.	Editor for Graduate Research Abstract Book 2018	Oct 2018
17.	Lembaga Teknologis Malaysia - Graduate Technologist	2019
18.	Lembaga Teknologis Malaysia - Professional Technologist	2019
19.	Committee Member for 7th International Conference of Solid State and Science Technology 2019 (ICSSST2019)	Feb 2019 – Nov 2019
20.	Scientific and Technical Research Association (STRA) – Life Member	2020
21.	Persatuan Sainstis Muslim Malaysia (PERINTIS) - Life Member	May 2020
22.	Head of Physics Department	Jan 2020 – Dec 2021
23.	Member for Department of UPNM Council	Jan 2020 – Dec 2021
24.	Involved in Hand Sanitizer Project for Product and Surveillance Contagion of COVID-19	Mar – May 2019
25.	Technical Committee Member for Jauhari Building, UPNM	Apr 2021
26.	Committee Member of Specification and Quotation Assessment, UPNM	May 2021
27.	Committee Member of Technical Specification Quotation for Supply, Deliver, Assemble, Train, Test, Maintenance of Experiment and Demonstration Set for DC and AC Component, Physics Laboratory, Jauhari, UPNM	May 2021
28.	Committee Member Innovation Competition Inter-Foundation Matriculation 2022 National Level	Nov 2021
29.	Persatuan Perlindungan Sinaran Malaysia (MARPA) – Life Member	2023
30.	Mentor for Research Grant Application (Physics ) for UPNM	Feb 2023
31.	Committee Member of Protocol and Activity for International Conference of Advanced Materials and Applied Sciences 2024	May 2023
32.	Committee Member for Community Outreach Program Sek. Men. Keb. Bandar Tasik Selatan	July 2023
33.	Group Leader for Core Group of Academic Development and Research Expert – (Electrical Measurement)	Oct 2023 – Sept 2025
34.	Radiation Protection Supervisor, UPNM	Dec 2023

35.	Appointment as Interviewer for Foundation Students Program for 2024/2025 Intake	Apr 2024
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### 3.4 Service to the community

(Please list in chronological order)

No.	Organization	Role	Start Date	End Date	Level
1.	Malay Students Association of Sheffield (PMPMS)	Sports Bureau	2010	2011	International
2.	Kelab Kebajikan & Rekreasi PAP	Member	2010	-	Department
3.	UPNM Academic Staff Association (NADIMASA)	Deputy Treasurer	2016	2018	University
4.	Persatuan Ibu, Bapa dan Guru (PIBG) Sek. Men. Sains Agama Kuala Pilah	Academic Bureau	2023	2024	

I declare that all the information in this form is true and correct. The University has the right to withdraw or reject the application if any information in this form found to be untrue.

Signature :

Name : FADHLINA CHE ROS

Faculty/Department : PAP, PHYSICS

Date :

I verify that, to the best of my knowledge, all the information provided in the forms are true.

Dean  
Signature and Stamp :

Date :



