



**CURRICULUM VITAE**



**I. PERSONAL PARTICULARS**

<b>Name</b>	MOHD FAISAL BIN SAARI
<b>Current Position</b> <b>Faculty / Department</b>	LECTURER DS45 PUSAT ASASI PERTAHANAN / MATHEMATICS
<b>Position Applying for</b>	

**II. ACADEMIC AND PROFESSIONAL QUALIFICATIONS**

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

<b>Year</b>	<b>Degree</b>	<b>Discipline</b>	<b>University</b>
2019 - 2023	DOCTOR OF PHILOSOPHY	STATISTICS	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA (UPNM)
2009 - 2011	MASTER OF SCIENCES	MATHEMATICS	UNIVERSITI SAINS MALAYSIA (USM)
2005 - 2008	BACHELOR OF SCIENCES	MANAGEMENT MATHEMATICS	UNIVERSITI TEKNOLOGI MARA (UiTM), SHAH ALAM

<b>III. TITLES OF POSTGRADUATE THESES WRITTEN (At MSc/PhD Level)</b>			
<b>No.</b>	<b>TITLES OF POSTGRADUATE THESES</b>		
1.	REPLICATION OF LINEAR FUNCTIONAL RELATIONSHIP MODEL FOR CIRCULAR VARIABLES (PhD)		
2.	GENERATING EGG PROFILE USING RATIONAL BEZIER QUADRATIC CURVE (MSc)		
<b>IV. WORK EXPERIENCE (Please list your relevant experience in chronological order)</b>			
<b>Year</b>	<b>Position</b>	<b>Organisation</b>	<b>Start and End Date</b>
2016 – 2023	LECTURER	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA (UPNM)	MAY 2016 - PRESENT
2013 – 2016	LECTURER (CONTRACT)	UNIVERSITI PERTAHANAN NASIONAL MALAYSIA (UPNM)	NOV 2013 – MAY 2016
2012 - 2013	LECTURER	UNIVERSITI TEKNOLOGI MARA (UiTM), PULAU PINANG	JUN 2012 - NOV 2013
2008 - 2012	LECTURER (CONTRACT)	UNIVERSITI TEKNOLOGI MARA (UiTM), PERLIS	DEC 2008 - JUN 2012
2008	LECTURER (PART TIME)	UNIVERSITI TEKNOLOGI MARA (UiTM), SHAH ALAM	JUL 2008 - DEC 2008
2008	MANAGEMENT TRAINEE	PERODUA ENGINE MANUFACTURING SDB BHD	JAN 2008 - APR 2008

## 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

### 1.2 First Degree Courses

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

No.	Course Title	Semester	Year
1.	MAT 435 CALCULUS 2	SEMESTER 1	2008/2009
2.	MAT 126 BUSINESS MATHEMATICS	SEMESTER 1	2008/2009

### 1.3 Diploma Courses

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

No.	Course Title	Semester	Year
1.	MAT 133 PRE-CALCULUS	SEMESTER 2	2008/2009
2.	MAT 126 BUSINESS MATHEMATICS	SEMESTER 2	2008/2009
3.	MAT 117 MATHEMATICS	SEMESTER 1	2009/2010
4.	MAT 126 BUSINESS MATHEMATICS	SEMESTER 1	2009/2010
5.	MAT 117 MATHEMATICS	SEMESTER 2	2009/2010
6.	MAT 126 BUSINESS MATHEMATICS	SEMESTER 2	2009/2010
7.	MAT 117 MATHEMATICS	SEMESTER 1	2010/2011
8.	MAT 112 BUSINESS MATHEMATICS	SEMESTER 1	2010/2011
9.	MAT 117 MATHEMATICS	SEMESTER 2	2010/2011
10.	MAT 183 CALCULUS 1	SEMESTER 2	2010/2011

11.	MAT 117 MATHEMATICS	SEMESTER 1	2011/2012
12.	MAT 183 CALCULUS 1	SEMESTER 1	2011/2012
13.	MAT 117 MATHEMATICS	SEMESTER 2	2011/2012
14.	MAT 183 CALCULUS 1	SEMESTER 2	2011/2012
15.	MAT 235 CALCULUS 2	SEMESTER 1	2012/2013
16.	MAT 112 BUSINESS MATHEMATICS	SEMESTER 1	2012/2013
17.	MAT 235 CALCULUS 2	SEMESTER 2	2012/2013
18.	MAT 183 CALCULUS 1	SEMESTER 2	2012/2013
19.	MAT 235 CALCULUS 2	SEMESTER 1	2013/2014
20.	MAT 183 CALCULUS 1	SEMESTER 1	2013/2014

#### 1.4 Pre-Degree Courses

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

No.	Course Title	Semester	Year
1.	FMA 0126 MATHEMATICS 2	SEMESTER 2	2013/2014
2.	FMA 0116 MATHEMATICS 1	SEMESTER 1	2014/2015
3.	FMA 0166 BUSINESS MATHEMATICS	SEMESTER 2	2014/2015
4.	FMA 0164 STATISTICS FOR SOCIAL SCIENCES	SEMESTER 1	2015/2016
5.	FMA 0166 BUSINESS MATHEMATICS	SEMESTER 2	2015/2016
6.	FMA 0164 STATISTICS FOR SOCIAL SCIENCES	SEMESTER 1	2016/2017
7.	FMA 0134 MATHEMATICS 3	SEMESTER 2	2016/2017
8.	FMA 0146 BASIC MATHEMATICS	SEMESTER 1	2017/2018
9.	FMA 0166 BUSINESS MATHEMATICS	SEMESTER 2	2017/2018
10.	FMA 0116 MATHEMATICS 1	SEMESTER 1	2018/2019
11.	FMA 0166 BUSINESS MATHEMATICS	SEMESTER 2	2018/2019

12.	FMA 0116 MATHEMATICS 1	SEMESTER 1	2019/2020
13.	FMA 0164 STATISTICS FOR SOCIAL SCIENCES	SEMESTER 1	2019/2020
14.	FMA 0166 BUSINESS MATHEMATICS	SEMESTER 2	2022/2023
15.	FMA 0164 STATISTICS FOR SOCIAL SCIENCES	SEMESTER 1	2023/2024
16.	FMA 0166 BUSINESS MATHEMATICS	SEMESTER 2	2023/2024

### 1.5 PhD Supervision

(Please list in chronological order)

No.	Name of Student	Project Title	Date of Registration	Role (Main / Co-Supervision)	Status • Completed • Submitted • In Progress	University
1.	FATIN NAJIHAH BINTI BADARISAM	SOME STATISTICAL PROBLEM ON SIMULTANEOUS CIRCULAR FUNCTIONAL RELATIONSHIP MODEL FOR UNEQUAL ERROR VARIANCES	5 JAN 2021	CO-SUPERVISION	COMPLETE	UPNM
2.	AZYYATI SYUHADA BINTI BORHANA	MODEL SPECIFICATION PROBLEMS IN A LINEAR STRUCTURAL RELATIONSHIP MODEL FOR CIRCULAR DATA	11 JULY 2023	CO-SUPERVISION	IN PROGRESS	UPNM

### 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 (Main / Co-Supervision)	Status <ul style="list-style-type: none"> <li>• Completed</li> <li>• Submitted</li> <li>• In Progress</li> </ul>	University

### 1.8 MSc External/Internal Examination

(Please list in chronological order)

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

### 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>
1.	NOR FAZILAH BINTI SAAT	GENERATING THE BEST FITTED MODEL FOR PADDY PRODUCTION BY USING TIME SERIES ARIMA MODELS.	2011/2012	MAIN SUPERVISION	COMPLETED
2.	NURUL AMAL BINTI HASSAN	GENERATING THE BEST MODEL	2011/2012	MAIN SUPERVISION	COMPLETED

		USING UNIVARIATE TECHNIQUE FOR FORECASTING PRODUCTION OF PADDY.			
3.	AKMAL NADIA BINTI ZAINUL ABIDIN	GENERATING THE BEST MODEL FOR RICE PRODUCTION: A COMPARISON BETWEEN SIMPLE LINEAR REGRESSION MODEL AND HOLT'S LINEAR TREND MODEL.	2011/2012	MAIN SUPERVISION	COMPLETED

## 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 • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
1.	MEASURING THE EFFECTIVENESS OF MILITARY JOINT EXERCISE BY USING DEA ANALYSIS (RAGS/2013/UPNM/SG/04/1)	PRINCIPAL: NORZAURA ABD RAHMAN MEMBERS: 1. NORAZMAN MOHAMAD NOR 2. KHAIRANI ABD MAJID 3. MOHD FAISAL SAARI 4. NUR SAKINAH IDRIS	RAGS 2013 - 2016	RM 50000	COMPLETED
2.	OPTIMIZATION OF INFANTRY FIGHTING VEHICLE (IFV) ADNAN READINESS FOR MILITARY OPERATION UNDER FINANCIAL CONSTRAINT (UPNM/2016/GPJP/4/S G/2)	PRINCIPAL: NORZAURA ABD RAHMAN MEMBERS: 1. NORAZMAN MOHAMAD NOR 2. KHAIRANI ABD MAJID 3. MOHD FAISAL SAARI	GPJP 2016 - 2018	RM 20000	COMPLETED
3.	ANALISIS RUANG BERSTATISTIK BAGI PARTIKEL ZARAH BERDIAMETER KURANG ATAU BERSAMAAN DENGAN 2.5 $\mu$ m (PM2.5) DAN HUBUNGANNYA DENGAN PARAMETER METEOROLOGI DAN KUALITI UDARA (UPNM/2023/GPJP/ST G/3)	PRINCIPAL: FIRDAUS MOHAMAD HAMZAH MEMBERS: 1. AZURAINI MOHD ARIF 2. MOHD FAISAL SAARI	GPJP 2023 - 2025	RM 20000	IN PROGRESS



No.	Title	List of Researchers • Principal • Members	Grant Year	Source Amount	Status • Completed • In Progress
4.	DEVELOPMENT OF A NEW CLASS OF ERROR-IN-VARIABLES MODEL SPECIFICALLY A LINEAR STRUCTURAL RELATIONSHIP MODEL FOR CIRCULAR DATA: EMPHASIS ON PARAMETER ESTIMATION (UPNM/2023/GPJP/ST G/5)	PRINCIPAL: MOHD IQBAL SHAMSUDHEEN MEMBERS: 1. FIRDAUS MOHAMAD HAMZAH 2. AZURAINI MOHD ARIF 3. MOHD FAISAL SAARI 4. AHMAD SHAFIQ ABDUL RAHMAN	GPJP 2023 - 2025	RM 20000	IN PROGRESS

## 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.	Rohaida Husin, Syed Abdul Mutalib Al Junid, Zulkifli Abd Majid, Zulkifli Othman, Khairul Khaizi Md Shariff, Hadzli Hashim and <b>Mohd Faisal Saari</b> (2012). Automatic Street Lighting System for Energy Efficiency based on Low Cost Microcontroller. <i>International Journal of Simulation, Systems, Science &amp; Technology</i> . 13(1): 29-34.	Peer-Reviewed
2.	<b>Mohd Faisal Saari</b> , Abdul Ghapor Hussin, Yong Zulina Zubairi & Mohd Syazwan Mohamad Anuar. (2023). Parameter Estimation for Balance-Equal Replicated Linear Functional Relationship Model: An Application to the Wind Directional Data. <i>Journal of Statistical Modeling &amp; Analytics</i> . 5(1): 36-47.	Peer-Reviewed
3.	<b>Mohd Faisal Saari</b> , Abdul Ghapor Hussin, Mohd Syazwan Mohamad Anuar & Yong Zulina Zubairi. (2023). General Unreplicated Linear Functional	Peer-Reviewed

Relationship Model for Circular Variables with Wind Direction Application. ZULFAQAR Journal of Defence Science, Engineering & Technology. 6(1): 1-13.	
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### 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.	<b>Mohd Faisal Saari</b> , Nur Aisyah Abdul Faraf and Normurniyati Abdul Shattar (2019) <i>Business Mathematics</i> ; 4 <sup>th</sup> Edition	University
2.	<b>Mohd Faisal Saari</b> , Wan Rozita Wan Din, Nabilah Fikriah Rahin, Normurniyati Abdul Shattar, Aniza Wamin, Khairani Abd Majid, Ahmad Zaidi Sulaiman, Sharifah Aishah Syed Ali and Mohd Syazwan Mohamad Anuar (2019) <i>Statistics For Social Sciences</i> ; 4 <sup>th</sup> Edition	University
3.	Nur Sakinah Idris, Normurniyati Abd Shattar, A'qilah Ahmad Dahalan, Noor Syazwana Abd Aziz, Norzaura Abd Rahman, Ahmad Zaidi Sulaiman, <b>Mohd Faisal Saari</b> and Mazlinda Ibrahim (2017); <i>Basic Mathematics</i> ; 2 <sup>nd</sup> Edition	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>

### 2.3 Presentation:

(Please list in chronological order)

No.	Event	Title of Paper Presented	Role	Date	Organizer
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			<b>(Keynote Speaker / Invited Speaker / Presenter)</b>		

### 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

#### 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.	LECTURER FOR PROGRAM DIPLOMA PENGURUSAN LOGISTIK TLDM	2014	UPNM	-	1 SEMESTER
2.	LECTURER FOR PROGRAM DIPLOMA PENTADBIRAN PERNIAGAAN TLDM	2015	UPNM	-	1 SEMESTER

#### 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.	ACADEMIC ADVISOR	2013 - 2019
2.	COMMITTEE IN JAWATANKUASA PENYIASAT ASET ALIH UPNM	2014
3.	COMMITTEE IN JAWATANKUASA BENGKEL PENULISAN MAKALAH JURNAL PAP	2015
4.	COMMITTEE IN JAWATANKUASA PEMBENTUKAN PROGRAM BARU SARJANA MUDA SAINS (PENYELIDIKAN OPERASI)	2015

5.	COMMITTEE IN JAWATANKUASA PENUBUHAN PROGRAM DIPLOMA (EKSEKUTIF) SAINS KETENTERAAN	2017
6.	INTERVIEWER FOR CALON AWAM BAGI PROGRAM PENGAJIAN LEPASAN SPM/ SETARAF SESI AKADEMIK 2017/2018	2017
7.	ADVISOR FOR JAWATANKUASA PERWAKILAN PELAJAR ASASI (JPPA)	2016 - 2018
8.	DEPUTY CHAIRMAN IN JAWATANKUASA PENGGERAK STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS) PUSAT ASASI PERTAHANAN	2017 – 2018
9.	HEAD OF UPNM VOLUNTEERS IN KUALA LUMPUR 2017 9 <sup>th</sup> PARA ASEAN GAMES	2017
10.	JURY FOR PERTANDINGAN OLIMPIAD SAINS DAN MATEMATIK PERINGKAT NEGERI MELAKA	2018
11.	JURY FOR PERTANDINGAN OLIMPIAD SAINS DAN MATEMATIK PERINGKAT NEGERI TERENGGANU	2018
12.	COMMITTEE IN PERTANDINGAN OLIMPIAD SAINS DAN MATEMATIK PERINGKAT WILAYAH PERSEKUTUAN	2018
13.	JURY FOR PERTANDINGAN OLIMPIAD SAINS DAN MATEMATIK PERINGKAT WILAYAH PERSEKUTUAN	2018
14.	INTERNAL AUDITOR IN AUDIT DALAMAN UPNM ISO 9001/2015 BIL 1/2018	2018
15.	INTERNAL AUDITOR IN AUDIT DALAMAN UPNM ISO 9001/2015 BIL 2/2018	2018
16.	INTERVIEWER FOR CALON AWAM BAGI PROGRAM PENGAJIAN LEPASAN SPM/ SETARAF SESI AKADEMIK 2018/2019	2018
17.	COMMITTEE IN KARNIVAL PENDIDIKAN STEM	2018
18.	INTERNAL AUDITOR IN AUDIT DALAMAN UPNM ISO 9001/2015 BIL 1/2019	2019

**3.4 Service to the community**  
(Please list in chronological order)

<b>No.</b>	<b>Organization</b>	<b>Role</b>	<b>Start Date</b>	<b>End Date</b>	<b>Level</b>
1.	KEMENTERIAN PENDIDIKAN MALAYSIA	EXAMINER MATRICULATION PAPER	2010	2019	NATIONAL
2.	KEMENTERIAN BELIA DAN SUKAN	HEAD OF UPM VOLUNTEERS	2017	2017	NATIONAL
3.	ASKAR WATANIAH	PERAJURIT MUDA	2018	2019	NATIONAL

**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 : MOHD FAISAL BIN SAARI**

**Faculty/Department : PUSAT ASASI PERTAHANAN / MATHEMATICS**

**Date : 30 MAY 2024**

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

**Dean  
Signature and Stamp :**

**Date :**