

CURRICULUM VITAE



PERSONAL BACKGROUND

Name : Nor Aida Zuraimi binti Md Noar
Sex : Female
Date of Birth : 28 April 1981
Nationality : Malaysian
Identity Card Number : 810428-06-5476
Marital Status : Married
Occupation : Senior Lecturer (DS51)
Address (Office) : Faculty of Industrial Sciences and Technology
Universiti Malaysia Pahang
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ACADEMIC QUALIFICATION

PhD (Applied Mathematics), Brunel University, United Kingdom, 2012

MSc (Computational Mathematics with Modelling), Brunel University, United Kingdom, 2005

BSc (Industrial Mathematics), Universiti Teknologi Malaysia, Malaysia, 2003

FIELD OF SPECIALIZATION

Applied Mathematics

RESEARCH INTEREST

Mathematical Modelling, Computational Fluid Dynamics, Fluid Mechanics of Jets, Violent Water Waves

PROFESSIONAL MEMBERSHIP

Malaysian Mathematical Sciences Society (PERSAMA)- Lifetime member

WORK EXPERIENCE

2013 - current	Senior Lecturer (DS51)	Universiti Malaysia Pahang
2012 – 2013	Senior Lecturer (DS52)	Universiti Pendidikan Sultan Idris
2005 - 2012	Lecturer (DS45)	Universiti Pendidikan Sultan Idris
2002 - 2005	Tutor (DA41)	Universiti Pendidikan Sultan Idris
2011 (March-May)	Intern	Flairis, Rompin, Pahang

APPRECIATION, ADMINISTRATION, COMMITTEE, OTHER RESPONSIBILITIES

1. Appreciation/Acknowledgment

- Cendekia Bitara: Merit Award 2015- Publication (Journal) Category
Journal: *Wave Impacts on Structures with Rectangular Geometries: Part 1. Seawalls*

2. Administration/ Committee

- Head of Panel (Applied Mathematics), Programme Science, 2017-2018
- JK Technical and Consultancy, Applied Industrial Mathematics & Statistics, FIST, 2018
- Treasurer I, International Conference of Applied Industrial Mathematics & Statistics, 2017

TEACHING

1. UMP

BUM 2313	Numerical Methods	Semester II Session 2017/2018
BUM 2313	Numerical Methods	Semester I Session 2017/2018
BUM1223	Calculus	Semester III Session 2016/2017
BUM2313	Numerical Methods	Semester II Session 2016/2017
BUM2313	Numerical Methods	Semester I Session 2016/2017
BUM2133	Ordinary Differential Equations	Semester III Session 2015/2016
BUM2133	Ordinary Differential Equations	Semester II Session 2015/2016
BUM2133	Ordinary Differential Equations	Semester I Session 2015/2016
BUM2133	Ordinary Differential Equations	Semester III Session 2014/2015
BUM2133	Ordinary Differential Equations	Semester II Session 2014/2015
DUM1113	Basic Mathematics	Semester I Session 2014/2015
DUM1113	Basic Mathematics	Semester 0 Session 2014/2015
BUM2133	Ordinary Differential Equations	Semester II Session 2013/2014
BUM2133	Ordinary Differential Equations	Semester I Session 2013/2014
DUM1113	Basic Mathematics	Semester I Session 2013/2014

2. UPSI

SMQ3093	Numerical Solutions of Linear Algebra	Semester II Session 2012/2013
SMN1024	Intermediate Calculus	Semester II Session 2012/2013
SMR3996	Research Project	Semester II Session 2012/2013
TMA2023	Linear Algebra	Semester I Session 2007/2008
TMU1013	Foundation Mathematics	Semester I Session 2007/2008
TMA2023	Linear Algebra	Semester II Session 2006/2007
TMK2043	Differential Equations	Semester II Session 2006/2007
TMU1013	Foundation Mathematics	Semester I Session 2006/2007
TMU1013	Foundation Mathematics	Semester II Session 2005/2006
TMU1013	Foundation Mathematics	Semester I Session 2005/2006
KRM1013	Basics Mathematics	Semester I Session 2005/2006

RESEARCH GRANT

1. Completed

Leader

Developing Question Libraries for Vectors using Question Mark Perceptions QML Language
RM11 900, 01/01/2006-01/01/2007, Short-term University Grant, UPSI

Wave Impact on Inclined Seawalls

RM5 500, 01/03/2014-28/02/2016, RDU141104, Seed Money UMP

Pressure-Impulse Theory for Wave Impact on Inclined Seawalls

RM72 200, 01/07/2014-31/12/2017, RDU140108, FRGS

Member

Hybrid Methods for Solving Special Second Order Ordinary Differential Equations
RM30 000, 03/12/2012-30/12/2014, RACE KPT

Modelling of Radiation Effects on Magnetohydrodynamics (MHD) Convection over Sphere
and Cylinder with Convective Boundary Conditions

RM80 200, 01/07/2014-30/06/2016, RDU140111, FRGS

Mathematical Modelling for the Convective Boundary Layer Flow in a Viscous and
Nanofluid with Slip Conditions and Viscous Dissipation

RM123 000, 15/01/2015-14/01/2018, RDU150101, FRGS

2. Ongoing

Member

Numerical Approximation for the Stress Field of Ideal Soils under Plane Strain Conditions.
15/04/2017-14/04/2019, RDU170355, Internal Grant UMP

Modelling of Medical Cupping Points using Adjacency Matrix Approach.

30/06/2017-29/06/2019, RDU1703259, Internal Grants UMP

AWARD

Cendekia Bitara: Merit Award 2015- Publication (Journal) Category

Journal: *Wave Impacts on Structures with Rectangular Geometries: Part 1. Seawalls*

Bronze Medallist, "Mathematical Modeling on Jeffrey Fluid under Convective Boundary Condition" CITREX 2016, 7-8 March 2016, Universiti Malaysia Pahang (UMP).

Bronze Medallist, "Aligned magnetic field on boundary layer flow and heat transfer over a stretching sheet" CITREX 2016, 7-8 March 2016, Universiti Malaysia Pahang (UMP).

Silver Medallist. Abdul Rahman Mohd Kasim, Mohd Zuki Salleh, Norhayati Rosli, **Nor Aida Zuraimi Md Noar**, The development of numerical tool on a boundary layer flow of non Newtonian fluid model, Creation, Innovation, Technology and Research Exposition (CiTReX) 2017, 15th - 16th March 2013, Universiti Malaysia Pahang

EXHIBITION

1. Yuhani Yusof, Muhamad Faiz bin Abu Bakar, Muhammad Khairil Akmal Mohd Khairuddin, Mohd Sham Mohamad, Adam Shariff bin Adli Aminuddin, Noraziah binti Adzhar, **Nor Aida Zuraimi Md Noar**, Mohd Adhha bin Ibrahim, Nor Haniza Sarmin, Muhammad Fariduddin Mukhtar. (2018). Medicinal Cupping Point(s) Predictor. *Creation, Innovation, Technology & Research Exposition (CITREX 2018)*. 07-08 February 2018. Universiti Malaysia Pahang. (Silver Medal).

2. "Mathematical Modeling on Jeffrey Fluid under Convective Boundary Condition" CITREX 2016, 7-8 March 2016, Universiti Malaysia Pahang (Bronze Medal).

3. "Aligned magnetic field on boundary layer flow and heat transfer over a stretching sheet" CITREX 2016, 7-8 March 2016, Universiti Malaysia Pahang (Bronze Medal).

4. Wave Impact on Inclined Seawall. CITREX 2016, 7-8 March 2016, UMP- Certificate

5. Abdul Rahman Mohd Kasim, Mohd Zuki Salleh, Norhayati Rosli, **Nor Aida Zuraimi Md Noar**, The development of numerical tool on a boundary layer flow of non Newtonian fluid model, Creation, Innovation, Technology and Research Exposition (CiTReX) 2017, 15th - 16th March 2013, Universiti Malaysia Pahang – Silver Medals.

SUPERVISION

Master Student (Main-supervisor)

1. Mohd Shahridwan, Title: Wave Impact on Inclined Seawalls
2. Fadhlyya Arawaney, Title: Mathematical Modelling on Wave Impact on Breakwater.

PhD Student (co-supervisor)

1. Muhammad Khairul Anuar B Mohamed (PSE14004), 01-04-2014.

Title: Mathematical modelling for the convective boundary layer flow in a viscous and nanofluid with slip conditions and viscous dissipation. (Graduated)

PUBLICATIONS

I. Theses

Md Noar, N.A.Z (2012). *Wave Impacts on Rectangular Structures*. Doctoral Dissertation, Brunel University, UK.

Md Noar, N.A.Z (2014). *Developing Questions Libraries using QML Language*. Master Dissertation, Brunel University, UK.

Md Noar, N.A.Z (2002). *Beberapa Penyelesaian Persamaan Tak Linear*. Projek Sarjana Muda, Universiti Teknologi Malaysia, Malaysia.

2. Book/Module/Report

F. Samat, N. Hassan, R.L.Z. Maamor Shah, N. Samat, **N.A.Z. Md Noar** and N. Mohamed. (2006). *Foundation Mathematics*. Pearson, Prentice Hall.

S. Abdullah, M.Z. Salleh, N. Mohd Nasir, R. Jusoh, L.A. Aziz, W.N.S. Wan Yusoff and **N.A.Z. Md Noar**. (2014). *Ordinary Differential Equations*. Universiti Malaysia Pahang

Norazaliza, Yuhani, Nor Alisa, **Nor Aida Zuraimi** and Norhafizah. (2017). *Mathematical Formulae Book*. Universiti Malaysia Pahang

3. Journal/Proceeding

Mixed convection boundary layer flow on a horizontal circular cylinder in a nanofluid with viscous dissipation effect. MKA Mohamed, NM Sarif, **NAZM Noar**, MZ Salleh, AM Ishak *Malaysian Journal of Fundamental and Applied Sciences* 14 (1), 32-39. 2018.

Physical evaluations of Co-Cr-Mo parts processed using different additive manufacturing techniques. SAC Ghani, SR Mohamed, WSW Harun, **NAZM Noar** *AIP Conference Proceedings* 1901 (1), 10000.2017.

Effect of thermal radiation on laminar boundary layer flow over a permeable flat plate with Newtonian heating. MKA Mohamed, MZ Salleh, **NAZM Noar**, A Ishak *Journal of Physics: Conference Series* 890 (1), 012007.2017.

Mathematical modelling of wave impact on floating breakwater
FAA Ghani, MS Ramli, **NAZM Noar**, ARM Kasim, M Greenhow
Journal of Physics: Conference Series 890 (1), 012005.2017.

Mathematical modelling of wave impacts on seaward-inclined seawall
MS Ramli, FAA Ghani, **NAZM Noar**, MZ Salleh, M Greenhow
Journal of Physics: Conference Series 890 (1), 012008.2017.

Slip effect on stagnation point flow past a stretching surface with the presence of heat generation/absorption and Newtonian heating
MKA Mohamed, **NAZM Noar**, Z Ismail, ARM Kasim, NM Sarif, MZ Salleh

AIP Conference Proceedings 1867 (1), 020009.2017.

Mathematical modeling of wave impacts on inclined seawall
MS Ramli, FAA Ghani, **NAZM Noar**, MZ Salleh, M Greenhow
AIP Conference Proceedings 1842 (1), 030009.2017

Slip flow on stagnation point over a stretching sheet in a viscoelastic nanofluid
MKA Mohamed, **NAZ Noar**, MZ Salleh, A Ishak
AIP Conference Proceedings 1830 (1), 020015.2017

Buoyancy effect on stagnation point flow past a stretching vertical surface with Newtonian heating
MKA Mohamed, MZ Salleh, **NAZ Noar**, A Ishak
AIP Conference Proceedings 1795 (1), 020005.2017

Mathematical Model of Boundary Layer Flow over a Moving Plate in a Nanofluid with Viscous Dissipation.
MKA Mohamed, NAZ Noar, MZ Salleh, A Ishak
Journal of Applied Fluid Mechanics 9 (5), 2369-2377.2016

Mathematical Model of Free Convection Boundary Layer Flow on Solid Sphere with Viscous Dissipation and Thermal Radiation
MKA Mohamed, MZ Salleh, A Hussanan, NM Sarif, NAZM Noar, A Ishak,
International Journal of Computing Science and Applied Mathematics 2 (2), 20-25.2016

Free convection boundary layer flow on a horizontal circular cylinder in a nanofluid with viscous dissipation
MKA Mohamed, N Noar, MZ Salleh, A Ishak
Sains Malaysiana 45 (2), 289-296.2016

Viscous Dissipation Effect on the Mixed Convection Boundary Layer Flow towards Solid Sphere
MKA Mohamed, NM Sarif, NAZM Noar, MZ Salleh, A Ishak.2016

The viscous dissipation effects on the mixed convection boundary layer flow on a horizontal circular cylinder
MKA Mohamed, MZ Salleh, N Noar, A Ishak
Jurnal Teknologi 78 (4-4), 73-79.2016

Mathematical Model of Boundary Layer Flow Over A Moving Plate In a Nanofluid with Viscous Dissipation. Journal of Applied Fluid Mechanics.
Muhammad Khairul Anuar Mohamed, Nor Aida Zuraimi Noar, Mohd Zuki Salled, Anuar Ishak.2015

Wave impacts on structures with rectangular geometries: Part 1. Seawalls
NAZM Noar, M Greenhow .Applied Ocean Research 53, 132-141.2015.

Wave impact on a deck or baffle

NAZ Md Noar, M Greenhow. AIP Conference Proceedings 1643 (1), 670-676

Stagnation point flow past a stretching sheet in a nanofluid with slip condition

MKA Mohamed, NAZ Noar, MZ Salleh, A Ishak. AIP Conference Proceedings 1643 (1), 635-641

Zero Dissipative Fourth-order Explicit Hybrid Methods for Solving Second-order Ordinary Differential Equations. S Samat, Ahmat, Noar

International Journal of Applied Mathematics and Statistics 46 (16).2013

Wave impact on a seawall with a deck and on a baffle in front of seawall

NAZ Md-Noar, M Greenhow

5th SCACR 2011 International Short Conference on Applied Coastal Research, 380

Wave Impact on a Vertical Baffle

NAZM Noar, M Greenhow. 2015

Effects of viscous dissipation on free convection boundary layer flow towards a horizontal circular cylinder

MKA Mohamed, NM Sarif, ARM Kasim, NAZM Noar, MZ Salleh, A Ishak

EFFECTS OF HEAT GENERATION/ABSORPTION ON A STAGNATION POINT FLOW OVER A STRETCHING SURFACE IN POROUS MEDIUM WITH CONVECTIVE...

MKA Mohamed, NAZM Noar, MI Anwar, MZ Salleh, A Ishak

Suction/Injection Effect on a Boundary Layer Flow Past a Stretching Cylinder with Slip Condition

MKA Mohamed, H Hashim, NAZM Noar, NM Sarif, MZ Salleh, A Ishak

Boundary Layer Flow over a Moving Plate in a Nanofluid with Viscous Dissipation

MKA Mohamed, NAZM Noar, MZ Salleh, A Ishak