

CURRICULUM VITAE



A. PERSONAL DETAILS

1. Name : Ir. Dr. Ts. Hj. Siti Nurbaya Binti Hj. Ab. Karim
2. Office Address : 11A, Level 17, Tower 1, Faculty of Civil Engineering, Engineering Complex, UiTM Malaysia, 40450 Shah Alam, Selangor, Malaysia.
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Google Scholar

<https://scholar.google.com/citations?user=9Oqcu-oAAAAJ&hl=en>



<http://prisma.uitm.edu.my/prisma/?doit=pubRec>

Scopus®

B. BRIEF PERSONAL HISTORY

Siti Nurbaya Ab. Karim joined UiTM in 2001. Her research interest includes pavement recycling, public transport integration, rail travel behavior, rail operations and rail demand.

C. **ACADEMIC QUALIFICATION**

Bil	Kelayakan (<i>Qualification</i>)	Tahun (<i>Year</i>)	Institusi (<i>Institution</i>)
1.	Ph.D in Civil Engineering & the Environment (Public Transport Integration, Rail Operations & Rail Demand)	2017	University of Southampton, United Kingdom.
2.	Master of Science in Highway & Transportation Engineering	2001	Universiti Putra Malaysia (UPM), Serdang
3.	B.Eng, Hons. in Civil Engineering	1997	UPM
4.	Science Matriculation in Biological Science	1993	UPM

D. **PROFESSIONAL MEMBERSHIPS**

Bil	Keahlian (Membership)	Tahun (Year)	Institusi (Institution)
1.	Professional Technologist (Field: Transportation & Logistics Technology)	Since 29 Mac 2021	Malaysia Board of Technologists (MBOT)
2.	A Professional (Associate) member of The International Association of Innovation Professionals (IAOIP)	Since 16 Sept. 2020	The International Association of Innovation Professionals (IAOIP)
3.	Professional Engineer (Corporate Member)	Since 2008	Board of Engineers, Malaysia
4.	Graduate Technologist	Since 2018	Malaysia Board of Technologists (MBOT)
5.	Member	Since 2003	The Chartered Institution of Highway & Transportation, UK.
6.	Member	Since 2002	The Road Engineering Association of Malaysia (REAM)
7.	Member	Since 2005	The Transportation Science Society of Malaysia (TSSM)

E. **WORKING EXPERIENCE**

Bil	Nama Jawatan(<i>Position</i>)	Tahun(<i>Year</i>)	Organisasi/Majikan
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1.	Lecturer	2001- Present	UiTM Malaysia, Shah Alam.
2.	Lecturer	2001	INTI College, Subang Jaya.
3.	Civil Engineer	1998-2001	JS Mahir Sdn. Bhd.
4.	Graduate Engineer	Nov. 1997- 1998	HSS Integrated Sdn. Bhd.
5.	Civil & Structural Engineer	Since June 1997	Kesh Consult Sdn. Bhd.

F. AREAS OF RESEARCH

Public Transport Integration, Rail Operations and Rail Demand.

G. PHD THESIS

Improving Quality of Rail Service in Kuala Lumpur, Malaysia (2017)

H. INTERNAL RESEARCH GRANTS

- a) Use of Sugarcane Fibre Waste in Hot Mix Asphalt (HMA) (RM20,000; 2002– 2004)
- b) Use of Coconut Components in HMA (RM49,999;2004 – 2006)
- c) The Travel Behaviour Impacts of Urban High Speed Light Rail Transit (LRT) Systems (RM12,000; 2005 – 2008)

I. NATIONAL RESEARCH GRANT

Fundamental Research Grant PHASE 1/2019 (Less Than RM100,000.00 i.e., RM94, 900)

Research Project Title:

A ROAD DESIGN FRAMEWORK MODEL INCORPORATING ROAD USER BEHAVIORS FOR CRITICAL ROAD NETWORKS

Date started & completed: 1/09/2019 – 30/05/2023

Research Project Leader: Associate Prof. Ts. Dr. Jezan Bin Md. Diah

Other Members:

Professor Dr. Amiruddin Bin Ismail

Ir. Ts. Dr. Raha Binti Abd Rahman

Dr. Nuryantizpura Binti Mohamad Rais

J. PUBLICATIONS

SURIA HARON, AHMAD FARHAN SADULLAH AND SITI NURBAYA A.K. (2019). *BUS SERVICE INDICATOR: THE DIFFERENT SIGHT OF PERFORMANCE INDEX DEVELOPMENT*. JOURNAL OF THE INTERNATIONAL CONFERENCE ON NANOMATERIALS: SCIENCE, ENGINEERING AND TECHNOLOGY (ICONSET) 2019

Siti Nurbaya, A. K. (2014). *Papa, Apa itu Jalan Raya?*, Grup Buku Karangkrif Sdn. Bhd., Shah Alam, Selangor.

Siti Nurbaya, A. K., Preston, J and Masria, M. (2013). Passenger Travel Profiles through Origin-Destination (OD) Surveys for Malayan Railways Limited. The 10th. Eastern Asia Society for Transportation Studies (EASTS) Conference, Taipei, Taiwan, 2013.

Siti Nurbaya, A. K. (2013). *Road Infrastructure Design*, UiTM Press, Shah Alam, Selangor.

J. SERVICE TO COMMUNITY

Member of *Persatuan Penduduk IT Admiral Taman Putra Perdana, 47130 Puchong* since 2000.

K. RESEARCH AWARDS

I have won **medals** in innovation competitions. I have also managed to get **Copyright**.

1. The invention/innovation/design of Lemongrass and Pandan Leaves – Potential Agents in Reducing Driver Fatigue at UiTM Invention, Innovation & Design Exposition 2017 (**iidex 2017**) – **Gold medal & Copyright**
2. The invention of Lemongrass and Pandan Leaves – Potential Agents in Reducing Driver Fatigue at the 29th.International Invention, Innovation & Technology Exhibition 2018 (**ITEX 2018**), Kuala Lumpur, 10-12 May 2018 – **Silver medal**
3. The invention/innovation/design of Lemongrass and Pandan Leaves – Utilization of Pandan Leaves to Reduce Driver Fatigue Effect at UiTM Invention, Innovation & Design Exposition 2017 (**iidex 2018**) – **Silver medal**