

## Ir. Resdiansyah ST., MT., Ph.D

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**Scopus Author ID:** 35769281300

**Google Scholar:** <https://scholar.google.com/citations?user=jXSdeDAAAAAJ&hl=en>

**Website:** <http://www.upj.ac.id>



Dr. Resdiansyah lahir di Tanjung Pinang, Kepulauan Riau, Indonesia pada tanggal 18 Desember 1971. Beliau memiliki kemampuan dalam pembangunan tim profesional yang percaya diri dan persuasif, dan kemampuan interpersonal yang tinggi untuk mencapai kualitas kinerja kerja. Dia memiliki kemampuan untuk berkomunikasi dalam Bahasa Inggris aktif, Bahasa Indonesia dan Bahasa Malaysia. Selain itu, beliau memiliki keahlian selama 22 tahun di bidang akademik, penelitian, konstruksi, industri, dan jasa konsultasi. Di sisi lain, ia juga memiliki latar belakang dalam berbagai industri teknik sipil, termasuk transportasi dan pembangunan jalan, teknik lalu lintas, perencanaan infrastruktur perkotaan, manajemen permintaan transportasi dan penerapan sistem transportasi cerdas. Selain itu, ia memiliki keahlian untuk sistem transportasi dan perencanaan proyek pemerintah dan proyek konsultasi internasional. Resdiansyah saat ini Dekan Fakultas Teknologi dan Desain Universitas Pembangunan Jaya dan Direktur Pembangunan Jaya Center for Urban Studies yang merupakan pusat unggulan universitas (PUU). Sebelumnya beliau adalah Rektor/Direktur di Politeknik Enjinerig Indorama, Purwakarta, Jawa Barat yang merupakan sebuah politeknik berstandar industri. Beliau memperoleh gelar PhD dari National University of Malaysia di bidang Intelligent Transportation System (ITS), dan MT (Master of Engineering) dari Universitas Gajah Mada, Indonesia dan Gelar Sarjana Teknik dari Sekolah Tinggi Teknologi Nasional Yogyakarta (STTNAS Yogyakarta). Dia memiliki portofolio penelitian dan konsultasi dari berbagai area termasuk sistem cerdas dalam monitoring kecepatan (i-SMS), sistem manajemen transportasi perkotaan yang cerdas, desain dan implementasi Bus Rapid Transit (BRT), pengembangan sistem pakar dalam transportasi berkelanjutan, Indeks mobilitas hijau (GMI), manajemen permintaan transportasi dan aplikasi kecerdasan buatan dalam transportasi. Beliau telah terlibat dilebih dari 40 proyek konsultasi sebagai konsultan spesialis di negara Asia Tenggara sejak 1995 seperti desain bandara, infrastruktur perkeretaapian, jalan tol dan jembatan dan menerbitkan lebih dari 30 makalah dengan h-indeks termasuk jurnal yang diindeks dalam Scopus dan ISI serta dalam konferensi di tingkat internasional dan nasional. beliau telah menerima beberapa hibah jangka panjang dan jangka pendek dari berbagai sumber nasional / internasional untuk mendukung penelitiannya. Dr Resdiansyah saat ini berada di dewan redaksi untuk lebih dari 5 jurnal internasional dan telah ditunjuk sebagai dewan penasihat dalam banyak

konferensi internasional serta reviewer jurnal Elsevier (land policy) dan banyak jurnal terakreditasi internasional. Beliau juga merupakan penerima medali emas dan perak di banyak pameran internasional dan ditunjuk sebagai penguji eksternal PhD di beberapa universitas di Malaysia seperti Universiti Teknologi Malaysia dan Universiti Malaysia Sarawak. Sejauh ini ia telah membimbing lebih dari 100 mahasiswa S1 dan S2 dan menjadi penilai luar untuk beberapa mahasiswa S3 dari beberapa universitas di Asia Tenggara termasuk Universiti Teknologi Malaysia dan University of East London UK. Sebelum bergabung dengan Politeknik Enjinering Indorama Purwakarta, Jawa Barat pada tahun 2014 beliau adalah seorang profesor di Universiti Malaysia Sarawak sejak 2012 dan mantan Dekan Fakultas Teknik dan Lingkungan serta Direktur Akademik program University of East London dan Coventry, kampus Malaysia dari tahun 2006-2012. Beliau adalah Insinyur Profesional (Ir) dari Persatuan Insinyur Indonesia (IEI) sejak tahun 1999, dan anggota Masyarakat Transportasi Indonesia (MTI), Malaysian Transportation Science Society (TSSM), Perhimpunan Studi Transportasi Asia Timur, Jepang (EASTS) dan Menerima kualifikasi profesional untuk Certified Expert on Road Design dari Indonesia Road Development Agency (IRDA) pada tahun 2008. Tahun 2015 beliau ditunjuk sebagai ketua Forum Rektor/Pimpinan Pendidikan Tinggi di Kabupaten Purwakarta dan ditunjuk sebagai asesor kompetensi oleh BNSP pada tahun 2016. Di tahun yang sama beliau dilantik sebagai Dewan pakar ICMI dan di tahun 2017 setelah menyelesaikan kepemimpinannya satu periode di Politeknik Enjinering Indorama sebagai Rektor, beliau bergabung dengan Universitas Pembangunan Jaya Bintaro sebagai Dekan Fakultas Teknologi dan Desain serta menjadi Direktur Pembangunan Jaya Center for Urban Studies.).

### **Pendidikan**

Faculty of Engineering and Built Environment, National University of Malaysia  
*PhD/ Civil Engineering (Artificial Intelligent in Transportation)*

Faculty of Civil Engineering and Planning, University of Gajah Mada, Indonesia  
*M.T/ Transportation System and Engineering*

Department of Civil Engineering, National Technology Institute (STTNas Yogyakarta),  
Indonesia  
*ST (degree)/ Civil Engineering (Professional Degree-5 years Program)*

### **Kualifikasi Profesional**

Member, Institution of Engineer Indonesia (PII), 2017-present  
Member, Transport Studies and Society Malaysia (TSSM), 2007-present  
Member, East Asia Society for Transportation Studies (EASTS) - Japan, 2003-present  
Member, Indonesian Transportation Society (MITS) 1997- present

### **Pengalaman Jabatan Struktural Akademik**

Director, Pembangunan Jaya Center for Urban Studies July 2017 – Present  
Universitas pembangunan Jaya, Indonesia| Ciputat, Sawah Besar, Bintaro, Indonesia

Dean, Faculty of Technology and Design July 2017 – Present  
Universitas pembangunan Jaya, Indonesia| Ciputat, Sawah Besar, Bintaro, Indonesia

Director/Rector Feb 2014 – July 2017  
Indorama Engineering Polytecnic, Indonesia| Kembangkuning, Jatiluhur 41152 Purwakarta,  
Indonesia

Professor Pembina (Professor in Transportation) 2012 – 2014  
National Institute of Technology Yogyakarta, Indonesia| Jalan Babarsari, Yogyakarta,  
Indonesia

Professor August 2013 – 2014  
Department of Civil Engineering, Faculty of Engineering, University Malaysia Sarawak, Kota  
Samarahan, 94300, Sarawak, Malaysia

Associate Professor August 2012 – July 2013  
Department of Civil Engineering, Faculty of Engineering, University Malaysia Sarawak, Kota  
Samarahan, 94300, Sarawak, Malaysia

Associate Professor 2010 – July 2012  
Linton University College in collaboration with University of East London|

Academic Director cum Dean of School of Civil Engineering and Built Environment  
2010 – July 2012  
Linton University College (for Coventry, UK and University of East London, UK  
Programme)|

Deputy Dean 2007 – 2010  
School of Civil Engineering, Legenda Education Group, Malaysia| BUTL, Batu 12, Mantin,  
71700, Negeri Sembilan, Malaysia

Senior Lecturer and Head of Department 2006 – 2007  
Institut Teknologi Pertama, Malaysia| BUTL, Batu 12, 71700 Mantin, NS, Malaysia

Senior Lecturer and Head of Highway/Transport Laboratory 2003 – 2006  
University of Malaysia Sarawak (UNIMAS)| Kota Samarahan, Sarawak, Malaysia

Lecturer and Program Coordinator 1999 – 2003  
Legenda College Langkawi| Padang Matsirat, Langkawi Island, Malaysia

Lecturer 1996 – 1999  
National Institute of Technology (STTNas Yogyakarta)| Babarsari, Yogyakarta, Indonesia

Assistant Lecturer 1994 – 1996  
National Technology Institute (STTNas Yogyakarta)| Babarsari, Yogyakarta, Indonesia

**Pelantikan di bidang Akademik (Academic Appointment)**

Visiting Professor November 2013

Department of Civil Engineering, National Institute of Technology Yogyakarta, 1 November-5 November 2013, Babarsari, Yogyakarta, Indonesia

Visiting Professor October 2013  
Vietnam German University Transport Research Centre (VGUTRC), 29 October-31 October 2013, Ho Chi Minh City, Vietnam

Visiting Professor/Public Lecture in Transportation June 2013  
Department of Civil Engineering, National Institute of Technology Yogyakarta, 7-12 June 2013, Babarsari, Yogyakarta, Indonesia

Visiting Professor April-2013  
Department of Civil Engineering, National Institute of Technology Yogyakarta, 5-9 April 2013, Babarsari, Yogyakarta, Indonesia

Committee Member of 6th International Engineering Conference 2013 (EnCon2013) April-2013  
Faculty of Engineering, Universiti Malaysia Sarawak, Kota Samarahan, 94300 Sarawak, Malaysia

Visiting Professor March 2013  
School of Civil Engineering, Linton University College in Collaboration with University of East London, 26-29 March 2013, Mantin, Negeri Sembilan, Malaysia

Keynote Speaker for Seminar on “Green Transportation” 2013  
Department of Civil Engineering, National Institute of Technology Yogyakarta, 2-4 January 2013, Babarsari, Yogyakarta, Indonesia

External Examiner for Diploma in Civil Engineering 2012 - Present  
Department of Civil Engineering, Politeknik Kuching Sarawak, East Malaysia

External Examiner for PhD Candidate in Transport Planning (Amir Mahmood Ghaffari: Urban Growth Simulation of Land Use and Transportation Interaction Using Cellular Automata) October 2012  
Faculty of Built Environment, Universiti Teknologi Malaysia, Johor Baharu, Malaysia

External Examiner for PhD Candidate in Transport Planning (Zohreh Asadi: A Non-Motorized Level of Service Method for Walking and Cycling Facilities on Urban Streets) October 2012  
Faculty of Built Environment, Universiti Teknologi Malaysia, Johor Baharu, Malaysia

Committee Member of MQA Postgraduate Program: Documentation October 2012 – 30 September 2014

Faculty of Engineering, Universiti Malaysia Sarawak, Kota Samarahan, 94300 Sarawak, Malaysia

Program Advisor for Diploma in Civil Engineering 2012 – Present

Department of Civil Engineering, Politeknik Kuching, Sarawak, 93050, Malaysia

Chairperson for Syllabus Preparation Committee of PhD and MSc in Engineering by  
Research Programme 2011  
– 2012

Linton University College, Mantin, Negeri Sembilan, 71700 Malaysia

External Examiner for Civil Engineering Programme 2010 – 2011  
Department of Civil Engineering, International University College of Technology Twintech,  
Kota Damansara, Kuala Lumpur, Malaysia

Chairperson for Syllabus Preparation Committee of Master of Science in Construction  
Management Programme 2010 – 2011  
Department of Quantity Surveying and Construction Management, Linton University College,  
Mantin, Negeri Sembilan, 71700 Malaysia

Chairperson for Syllabus Preparation Committee of Diploma in Civil Engineering Programme  
2010 – 2011

Department of Civil Engineering, Institut Teknologi Pertama, BUTL, Mantin, Negeri  
Sembilan, 71700 Malaysia

Chairperson for Syllabus Preparation Committee of B.Eng (Hons) in Civil Engineering  
2010 – 2011

Department of Civil Engineering, Linton University College, Mantin, Negeri Sembilan,  
71700 Malaysia

Industrial, Research Grant/Project, Consultancy and Other Work Experience

Group Leader for Research on “Road User Satisfaction Index (RUSI) for CBD Area at Bumi  
Serpong Damai (BSD City)” October 2017 – Maret  
2018

LP2M Universitas Pembangunan Jaya| Bintaro Jaya, Indonesia

Research Member for Ristekdikti Grand (Applied Based Research) on “Development of  
Automatic Storage Inventory System Using Image Processing” August 2016 – September  
2017

Kemenristekdikti| Indonesia

Research Member for Ristekdikti Grand (Competency Based Research) on “Development of  
Expert System for Road Development in Kabupaten (District Area) Processing”

August 2017 – September 2018

Kemenristekdikti| Indonesia

### **Pengalaman Industri, Proyek/Hibah Penelitian, Konsultansi dan Pengalaman Pekerjaan Lainnya**

Group Leader for Research Collaboration with CMS Pavement Tech. Sdn Bhd on “Cost  
Effective of Sealing Method for Sarawak Road” (Stage-2) November 2013 – December 2014  
CMS Pavement Tech Sdn.Bhd| Sarawak, Malaysia

Specialist Consultant for Road User Satisfaction Index (RUSI 2013) and Client Satisfaction  
Survey (CSS 2013) on Road Maintenance in Sarawak Road (RM 250,000)

April 2013 – December 2013

Cahaya Mata Sarawak Group| Sarawak, Malaysia

Specialist Consultant on PSV testing for Marup Quarry Sdn.BhD, Sarawak, Malaysia 2 Oct 2103 – 6 October 2013

Marup Quarry Sdn.Bhd| Sarawak, Malaysia

Project Leader: Potential of Crumb Rubber for Asphalt Modified: Laboratory Investigation  
Sept 2013 – December 2013

Weida Sdn.Bhd.| Sarawak, Malaysia

Co-Investigator: Performance of Micro-detention Pond using Honeycomb Structure for Green  
Pavement in Housing Area (RM 120,000) May2013 – Feb  
2015

Exploratory Research Grant Scheme - Ministry of Higher Education Malaysia-  
ERGS/1/2013/TK03/UNIMAS03/01| Kuching, Sarawak, Malaysia

Project Leader/Principle Investigator: Artificial Intelligent Application: Expert System for  
Sustainable Transportation (E-SUTRA) Sept2012 – Feb  
2013

FPI University of Malaysia Sarawak - FPI(F02)/145/2013(12)| Kuching, Sarawak, Malaysia

Specialist Consultant on Highway Link Project: Tg. Pinang to Tg Uban, Riau Island Province,  
Indonesia Dec 2010 – Feb 2011

Vistatama Multi Engineering Consultant| Kompleks. Bintan Centre Blok C.29, Tanjung  
Pinang, Riau Island Indonesia

Consultant Adviser (Consultancy Work) June 2009 –August 2009  
CV. Khasanah Cipta Konsultan| Jalan Rumah sakit No 21, Tanjung Pinang Kota, Riau  
Island, Indonesia

Technical Director (Consultancy Work) 2008 –present  
Megah Karya Consultant| Batam and Bintan Island, Indonesia

Specialist Consultant on Road and Bridge Project: Anambas and Natuna Island, South China  
Sea March 2007 – June  
2007

Geliga Bintan Consultant| Jalan Darussalam No 13, RT/RW 01/IV, Tanjung Pinang, Riau  
Island Indonesia

Specialist Consultant on VVIP Ferry Terminal Project-Batam Island April 2007 – June  
2007

PT. Bina Prakasita-Public Work Department, Indonesia| Jalan Ir.H.JUanda No. 95, TPI, Riau  
Island, Indonesia

Consultant Engineer on Bintan Link Highway July 2006 – October  
2006

PT. Uniquatro Bintan Pratama| Jalan Dr. Sutomo No.4, TPI, Riau Island, Indonesia

Specialist Consultant on Road and Infrastructure Network System Project, January 2006 –  
June 2006

PT. Bina Prakasita-Public Work Department, Indonesia| Jalan Ir.H.Juanda No. 95, TPI, Riau Island, Indonesia

Consultant Engineer on Modeling the Deterioration of Bituminous Pavements in Sarawak: HDM-4 Framework Approach 2005 – 2006  
Unimas in Collaboration with Konsultan Timur Sdn.Bhd | Kuching, Sarawak, Malaysia

Specialist Consultant Engineer on Vehicle Motor Workshop Industry- C Solution for the Excellent Services (Phase-2) May 2005 – Dec 2005  
Ministry of Domestic Trade and Consumer Affairs, Malaysia| Putrajaya, Malaysia

Consultant Engineer on Database on Road Transportation Management and Network for Riau Island-Indonesia 2005  
CV. Natasya Jaya| Jalan Ir. H. Juanda No 25, TPI, Riau Island, Indonesia

Specialist Consultant Engineer on Vehicle Motor Workshop Industry- Effective Measure for Sarawak Region (Phase-1) June 2004 – March 2005  
Ministry of Domestic Trade and Consumer Affairs, Malaysia| Putrajaya, Malaysia

Project Leader/Principle Investigator “The Development and Experimental Use of Intelligent Speed Monitoring System (i-SMS) to Support Speed Reduction Program in Major City of Malaysia” January 2005- January 2006  
FRGS University of Malaysia Sarawak, Malaysia| Kota Samarahan, Sarawak, Malaysia  
driver’s response.

Project Leader on laboratory Investigation of the Performance and Possibility of Black Limestone Used for Asphalt Mixture (Wearing Course) 23 April 2005 – 30 April 2005  
Hock Seng Lee Construction Sdn.Bhd| Kuching, Sarawak, Malaysia

Project Leader on Polished Stone Value (PSV) Testing and Laboratory Investigation from Ang Cheng Ho Quarry and Paku Quarry, Sarawak 30 April – 7 May 2005  
Geospect Sdn.Bhd | Kuching, Sarawak, Malaysia

Project Leader on Laboratory Investigation and Evaluation of Aggregates Used for Asphalt Mixture (Kuching International Airport Project - Extension of Runway) 11 April 2005 – 22 April 2005  
Cahaya Mata Sarawak Sdn.Bhd| Kuching, Sarawak, Malaysia

Project Leader on Polished Stone Value (PSV) Testing and Laboratory Investigation for Mukah Road Project: Stabar Quarry, Bukit Akud Quarry, and Penkuari quarry, Sarawak, 10 March 2005 – 10 April 2005  
Borneo Granite Sdn.Bhd | Kuching, Sarawak, Malaysia

Project Leader/Principle Investigator on Design of Mode Choice Modeling: Technical-Econometric Approach to Implement New Bus in Kuching Town Area Feb 2004 – March 2005  
FRGS University of Malaysia Sarawak| Kuching, Sarawak, Malaysia

Project Leader on Laboratory Investigation and Evaluation of PSV value from Borneo Granite Quarry Sdn.BhD for Bekenue Road Project 23 May 2004 –12 June 2004  
Jabatan Kerja Raya, Miri and Pekerjaan Piasau Konkrit Sdn.BhD| Miri, Sarawak, Malaysia

Project Leader on Polished Stone Value (PSV) Testing and Laboratory Investigation for Local Aggregates in Sarawak: Pulau Salak Quarry, Sarawak 24 July 2003 – 7 August 2003  
Pulau Salak Quarry Sdn.BhD | Kuching, Sarawak, Malaysia

Planning Engineer on Java Integrated Transportation Management, System and Infrastructure Network Project 1997 – 1999  
University of Gajah Mada and JICA (Japan International Cooperation Agency)| Yogyakarta, Indonesia

Senior Researcher 1996– 1999  
Research Centre-Technical Affiliation Bureau| Yogyakarta, Indonesia

Project Engineer: Traffic Studies for Yogyakarta City 1996 – 1997  
Ministry of Transport| Yogyakarta, Indonesia

Project Engineer: STTN Building Project 1995 – 1997  
In House project by National technology Institute for Permanent Campus| Yogyakarta, Indonesia

Project Engineer: Cangkringan Road and Bridge Project 1994 – 1995  
PT. Waskita Karya Contractor| Yogyakarta, Indonesia

Project Engineer: Sudu Road and Bridge Project, Kulunprogo, DIY 1993 – 1994  
PT. Waskita Karya Contractor| Yogyakarta, Indonesia

### **PhD Dissertation**

Title: Development of an Expert Advisory System for Strategy Implementation in Transport Demand Management (E-ASSIST)

### **M.Eng Dissertation**

Title: The Potential of Public Transportation Consumer with Executive Services in Yogyakarta City: Mode Choice Modeling Approach Using LIMDEP.

### **Degree Thesis**

Title: Evaluation of Runway Length using FAA Method: Case Study of Adi Sucipto International Airport, Yogyakarta Indonesia

### **Kontribusi Sebagai Editorial/Reviewer/External Examiner/dll**

International Scientific Committee of the 1st ISTSDC (1st International Symposium on Transportation Studies for Developing Countries, November 4th, 2017, Makasar, Indonesia



Scientific Board of Civil & Environmental Engineers, International institute of Engineer, International Journal of Research in Chemical, Metallurgical and Civil Engineering (IJRCMCE) ISSN 2349-1442 (Print) ISSN 2349-1450 (Online)-IJRCMCE

Scientific Committees and Editorial Review Boards, International Conference Recent trends in Engineering & Technology (ICRET'2014) Feb. 13-14, 2014 Batam (Indonesia)

Editorial Review Board, International Journal of Research in Civil and Environmental Engineering (IJRCEE) & (Thomson Reuters, CiteSeerX, Google Books and Google Scholar.

Reviewer of Land Use Policy Journal, 2013. Volume 38, Pages 1-740 (May 2014). Pages 175-193, Author: Zohreh Asadi-Shekari, Mehdi Moeinaddini, Muhammad Zaly Shah. Publisher: Elsevier (ISI, Scopus, Impact Factor: 2.346© Thomson Reuters Journal Citation Reports 2013 for article/paper: A Pedestrian Level of Service Method for Evaluating and Promoting Walking Facilities on Campus Streets.

Editor/Reviewer of PERTANIKA Journal. 2013. Publisher: Universiti Putra Malaysia ( indexing by DOAJ, Thomson Reuters, Scopus, Google Scholar, NAL, ISC, My Cite, Australian Research Council) for the article: Web Based Participatory Irrigation Management-WebPIM a Tool for Water User in TARKIS.

Regional Editor of Journal of Applied Sciences. 2012. Publisher: Asian Network for Scientific Information, eISSN: 1812-5662. pISSN: 1812-5654 (indexing by Thomson ISI, Scopus, SCIMAGO, ISI Web of Knowledge, EMBASE, Google Scholar, ASCI-Database)

Regional Editor of Asian Journal of Applied Sciences. 2012. Publisher: Science Alert. e-ISSN:1996-3343 (indexing by Asian Science Citation Index (ASCI)-Database), Cambridge Scientific Abstract, CABI, Chemical Abstract service & Google Scholar)

Regional Editor of Journal of Artificial Intelligent. 2012. Publisher: Science Alert, eISSN: 2077-2173, pISSN: 1994-5450 (indexing by Asian Science Citation Index (ASCI)-Database), Directory of Open Access Journals, SCIMAGO & SCOPUS.

Regional Editor of Asian Journal of Scientific Research. 2012. Publisher: Asian Network for Scientific Information, eISSN: 2077-2076, pISSN: 1992-1454 (indexing by Asian Science Citation Index (ASCI)-Database), Directory of Open Access Journals, SCIMAGO & SCOPUS.

Regional Editor of Singapore Journal of Scientific Research. 2012. Publisher: Science Alert. eISSN: 2010-0051. pISSN: 2010-006x (indexing by Asian Science Citation Index (ASCI)-Database).

### **Penghargaan**

Silver Medal: Artificial Intelligent in Transport Demand Management, i-INOVA 2013-4th Exposition on Islamic Innovation 2013, organized by Universiti Sains Islam Malaysia (USIM) in collaboration with Ministry of Science Technology & Innovation (MOSTI), Ministry of Education (MOE) and Academy of Sciences Malaysia (ASM).

Silver Medal, E-SUTRA : Expert System for Sustainable Transportation, Unimas Research and Development Expo (Unimas R&D Expo), 2013

The Best Lecturer (President Award) of the Year 2006 –In recognition of outstanding performance as a Lecturer in Legenda Education Group, Malaysia, the demonstration of excellent teaching, monitoring of student attendance and dedication to the highest levels of performance in class based on student satisfaction index (SSI)

Excellent Award –Cemerlang Award ~ for year of 2004 and 2005- For sustained meritorious performance and excellent result to Universiti Malaysia Sarawak (UNIMAS), Kuching, Malaysia.

Deputy Dean Academic Award ~ 2003 and 2004 - For excellent in teaching at Faculty of Engineering, Civil Engineering Department, UNIMAS with score of 4.65/5 (KNS3183-2004) and Score of 4.5/5 (KNS 3183-2003).

E-Learning Award-Certificate of Merit ~ 2004 - For the best achievement in online course (E-Learning) at Faculty of Engineering, Civil Engineering Department, UNIMAS.

The Most Popular Lecturer Award of the Year 2002 and 2003 –In recognition of popularity as a Lecturer at UTM program in Legenda Langkawi, Malaysia.

The Best Lecturer (President Award) of the Year 2002 –In recognition of outstanding performance as a Lecturer in Legenda Education Group, Langkawi, Malaysia for semester 2-2001 and semester 2-2002

#### **Course/Seminar/Workshop**

Persatuan Insinyur Indonesia (Institution of Engineer Indonesia), “Profesional Engineer Certification Workshop”, Jakarta Convention Center, 16 March 2017

Komite nasional Keselamatan Transportasi (KNKT), ), “Bimbingan Teknis Investigasi dan penyusunan Laporan LLAJ, Bandung 22-24 Agustus 2017

Universiti Malaysia Sarawak, Faculty of Engineering Seminar Series, “Estimating Parking Pricing Models in Modifying Travellers’ Behaviour”, TMM Room, Faculty of Engineering, 9 November 2013

University of Muhamadiyah Surakarta, Indonesia, Workshop on National Road Audit and Performances, 1 November 2013

Universiti Malaysia Sarawak, Faculty of Engineering, Surveying Camp, Lundu, Sarawak, 6-13 April 2013

Universiti Malaysia Sarawak, Faculty of Engineering Seminar Series, “Seismic Assessment on Wall-Diaphragm Connection in New Zealand Unreinforced Masonry Building”, Mechanical Conference/Meeting Room, 19 September 2012

Ministry of Science and Technology, Malaysia, Workshop on “How to secure MOSTI Fund”, 14 September, Auditorium CAIS, UNIMAS, Sarawak, 2012

University of East London Partnership Seminar, UEL, Shangrila, Kuala Lumpur 2011

ISO workshop 9001, Linton University College, Malaysia, 2011

International Construction Conference 2007 on Challenges of Global Mega Project, ,  
Chartered Institute of Building, UK & Malaysia, The Legend Hotel, Kuala Lumpur, 19-20  
September 2007

Workshop on NQF Implementation for Higher National Diploma (HND)–Edexcel UK  
Program, ITP, Mantin, Negeri Sembian, 7-8 July 2007

Validation Meeting for Bachelor of Civil Engineering (Hons) by University of East London,  
April 2007

Training on Effective Teaching, Legenda Group of Colleges, March 2007

Academic Workshop on Quality Education, ITP, Genting Permai Resort, 26-27 August 2006.

Workshop on Assessment Methods and Internal Verifier for Higher National Diploma  
(HND)–Edexcel UK Program, ITP, Mantin, Negeri Sembian, 19-20 March 2006

Seminar on Ensuring Pavement Performance With New Technology, Unimas, Medical  
Campus, Kuching, Sarawak, Malaysia, 26 March 2005

Presentation and Meeting for Draft Final Report of Vehicle Motor Project, Ministry of  
Domestic Trade and Consumer Affair, Malaysia, Putrajaya, Malaysia, 21 March 2005

Briefing and Meeting with Ministry of Transport Malaysia and Road Transport Department of  
Malaysia: Implementation Strategies for VMR Project, Putrajaya, Malaysia, 22-23 march  
2005

Briefing on Geodetic and Mapping Activity in Sarawak, Hilton, Land Surveying Department,  
Malaysia, 22 December 2004

Curriculum Review, Faculty of Engineering, Unimas, Merdeka Palace Hotel, July 2004

Curriculum Review for Faculty Engineering, University Malaysia Sarawak, Damai Lagoon  
Resort, Sarawak, 27-29 June 2003

ISO-9000 Workshop, UNIMAS, Damai Lagoon Resort, Sarawak, West Malaysia, 28 June  
2003

Bentley Software for Civil Engineering Workshop and Seminar, Crown Plaza Hotel,  
Kuching, Sarawak, West Malaysia, 9 June 2003

Workshop – E Learning, Center Applied Language and Multimedia, UNIMAS, Sarawak, East  
Malaysia, May 2003

Seminar on Teaching with Excellent, University Technology Malaysia-Legenda College,  
Langkawi, 26 July 2001

Seminar on “Bahasa Malaysia”, University Technology Malaysia-Legenda College, Langkawi, 19 July 2001

Workshop on Graphical User Interface, University technology Malaysia-Legenda College, 4 February 2001

Workshop on Academic Syllabus held by University Technology Malaysia (UTM) Semarak, Kuala Lumpur, 20-21 December 1999

Final Examination Meeting in University Technology Malaysia, Kuala Lumpur, 20 December 1999

Transportation System and Highway Workshop, Bandung Technology Institute, Indonesia, 1998

Geo-Transport Information System Course, UGM, Yogyakarta, Indonesia, 1998

TFTP (Teacher Friendly for Transportation Planning) Course, UGM, Yogyakarta, Indonesia, 1998

Indonesian Highway Capacity Manual Course, UGM, Yogyakarta, Indonesia, 1997

Software for Civil Engineer, Short Course, UGM, Yogyakarta, 26 August 1997

Hardware and Maintenance Computer Course, LMK, Yogyakarta, 1997

Urban transportation Management Course, Gadjah Mada University, Indonesia, 1997

Seminar on High Education Professionalism, STTN, Yogyakarta, 6 December 1997

Transportation Planning Course, Institute Technology Bandung (ITB), Indonesia, 12-14 December 1996

### **Selected Seminar as Presenter/Invited Presenter/Keynote**

Keynote Speaker, 4th mASEANa Conference: Modern Living in Southeast Asia, Istiqlal Conference Room Jakarta, 18 January 2018

Keynote Speaker, Focus Group Discussion (FGD) The Optimalization of Transportation Role in Asian Para Games Jakarta 2018, 14-15 December 2107, Twin Plaza Hotel, Slipi Jakarta

Invited Idea Sharing Speaker, Intelligent Transportation System Conference 2017, ITS Indonesia in collaboration with ITS Asia-Pasific, The Ice Palace Hall, Lotte Shopping Avenue, Jakarta, 21 November 2017

Presenter, 1st International Symposium of Transportation Studies in Developing Countries (ISTSDC), Uhas Campus, Gowa, makassa, Indonesia, 3-5 November 2017

Moderator, Keynote Speaker in 1st International Symposium of Transportation Studies in Developing Countries (ISTSDC), Uhas Campus, Gowa, makassa, Indonesia, 3-5 November 2017

Invited Judge/Jury, 1st International Symposium of Transportation Studies in Developing Countries (ISTSDC), Uhas Campus, Gowa, makassa, Indonesia, 3-5 November 2017

Invited Discussion Speaker, Forum Group Discussion (FGD), Integration of Transportation in Jabodetabek, Hotel Grand Mecure Kemayoran, Jakarta, 20 September 2017

Keynote Speaker for Public Lecture on Road Safety Audit, National technology Institute, Yogyakarta (STTNAS, Yogyakarta), 29 September 2017.

Keynote Speaker for National Seminar on Indonesia Smart City Development, Universitas Semarang, 4 April 2017.

Invited Speaker for Public Lecture on Intelligent Transportation System, Magister Sistem dan Teknik Transportasi (Master Programme in Transportation System and Engineering), Post-Graduate Studies, University of Gajah Mada, Indonesia, 6 November 2013.

Invited Speaker for Public Lecture on Land Use Transport Interaction, Civil Engineering Student Society (HMTS), National Technology Institute, Yogyakarta, Indonesia, 5 November 2013

Keynote on Workshop: Writing Publication for Journal with High Impact Factors, National Technology Institute, Yogyakarta, Indonesia, 4 November 2013

Presenter/Keynote on 16th International Transport Symposium (FSTPT) in Collaboration with International Conference on Infrastructure Development (ICID-2013), University of Muhamadiyah Surakarta (UMS), Solo, Indonesia, 2-3 November 2013

Keynote/Public Lecture on Development of Sustainable and Green Urban Infrastructure, Vietnamese German University, Ho Chi Minh City, Vietnam, 29-31 October 2013

Keynote/Public Lecture on Railway Infrastructure: Implementation and Challenge, National Technology Institute, Yogyakarta, Indonesia, 7-12 June 2013

Keynote/Public Lecture on Airport Design and Management, School of Civil Engineering, Linton University College in Collaboration with University of East London, 28-29 March 2013, Mantin, Negeri Sembilan, Malaysia

Invited Speaker, Intelligent Transportation System", Politeknik Kuching Sarawak, 13 March 2013

Keynote/Public Lecturer on Railway Engineering and Infrastructure, National Technology Institute, Yogyakarta, Indonesia, 2 April 2012

Keynote Speaker, Green Transportation Seminar, School of Civil Engineering Linton University College in Collaboration with University of East London, Held by CES (Civil Engineering Society), 2011

Keynote Speaker, Intelligent Transportation Infrastructure, School of Civil Engineering Linton University College in Collaboration with University of East London, Held by CES (Civil Engineering Society), 2010

Invited Speaker/Guest Lecturer, Seminar on Public Transportation, Universiti Teknologi Mara (UITM), Shah Alam, 2009

Presenter, Seminar on Ensuring Pavement Performance with New Technology, Unimas, Medical Campus, Lot 77, Kuching, Malaysia, 26 March 2005

Presenter, Presentation for Draft Final Report, VMR Project, Ministry of Domestic Trade and Consumer Affairs and Ministry of Transport, Putrajaya, 21-23 March 2005

Presenter, Regional Seminar on Civil Engineering and Architecture, AA-YKPN, Yogyakarta, Indonesia, 7 November 1998

Presenter, Regional Seminar on Civil Engineering and Architecture, Engineering College National, Yogyakarta, Indonesia, 19 July 1998

Presenter, One Day Seminar on Civil Engineering, Engineering College National, Yogyakarta, Indonesia, 28 November 1998

Presenter, Regional Seminar on Civil Engineering and Architecture, Muhammadiyah University, Yogyakarta, 2 May 1998

Presenter, Seminar on Urban Transportation Development, UGM, Yogyakarta 28 March 1998

### **Selected Journal**

Resdiansyah, Amidah Mohd Ujang and Zarinah. 2017. Bio-Asphalt Concrete: From Waste Product to Green Aggregate Replacement. *Pertanika J. Sci. & Technol.* 25 (4): 145 - 154 (2017)

Resdiansyah, Fredy Jhon Philip.S. 2017. Travel Time Cost for Private Car in Bumi Serpong Damai (BSD) City: Income and Mode Choice Approach. *Journal Widyakala* Volume 4 No.2 September 2017. ISSN 2337-7313. e-ISSN 2597-8624

Resdiansyah, 2016. The Use of Stated Preference Technique to Model Modal Choices. *Jurnal Kurvatek* Volume 01 . No. 1, April 2016, pp.01-08. ISSN: 2477-7870

Resdiansyah, Ircham, & Otto Sandjoko. 2013. Application of Artificial Intelligence in Transportation Demand Management: Development and Implementation of E-Sutra. *Jurnal Transportasi, Forum Studi Transportasi antar Perguruan Tinggi*, Volume 13 Nomor 3 Desember 2013, pp: 155-232, ISSN 1411-2442.

Resdiansyah, Ircham, & Otto Sandjoko. 2013. Artificial Intelligent Application in Transport Demand Management: Development and Implementation of E-SUTRA. *Journal of DINAMIKA Teknik Sipil and Jurnal Transportasi* (Both are national accredited Journals in Civil Engineering).

Resdiansyah, Wan Hashim Wan Ibrahim, Mohamad Raduan Kabit, Ron Aldrino Chan, Ircham. 2013. Hybrid Knowledge Based Expert System for Sustainable Transportation (E-SUTRA). World Hybrid Energy Journal (ISBN 978-0-9875500-0-2)

Resdiansyah, Wan Hashim Wan Ibrahim, Mohamad Raduan Kabit, Ron Aldrino Chan, Ircham. Hybrid Knowledge Based Expert System for Sustainable Transportation (E-SUTRA). STEMfest Journal - The Proceedings of the International Festival of Science, Technology, Engineering and Mathematics (ISBN - 978-0-9875500-1-9), World Hybrid Conference Borneo, 29th September - 1st October 2013, Kuching, Sarawak Malaysia.

Resdiansyah Mansyur, Riza Atiq O.K. Rahmat, Amiruddin Ismail, 2013. A Prototype Rule-Based Expert System for Travel Demand Management. Unimas e-Journal of Civil Engineering, 4(1): 34-39.

Resdiansyah Mansyur, Mohamad Raduan Kabit, Wan Hashim Wan Ibrahim, 2012. Expert System for Mobility Management Scheme (E-MMS): Step toward Green Mobility. Research Update, 8(2): 16, ISSN: 1675-5820.

Resdiansyah Mansyur, Riza Atiq O.K. Rahmat, Amiruddin Ismail & Mohamad raduan Kabit. 2011. Knowledge Based Expert Advisory System for Transport Demand Management. International Journal on Advanced Science, Engineering and Information Technology, 1(6):652-657,ISBN:2088-5334

Resdiansyah, Riza Atiq O.K. Rahmat, Amiruddin Ismail & Mohamad Raduan Kabit. 2011. Decision Support System for Transport Demand Management: Object Oriented Approach using Kappa-PC 2.4 Expert System Shell. ARPN Journal of Engineering and Applied Sciences 6(2): 73-81. ISSN 1819.

Resdiansyah, Riza Atiq O.K. Rahmat, Amiruddin Ismail & Mohamad Raduan Kabit. 2010. Advisory System Assisting Selection of Strategy on Transport Demand Management (TDM) using Expert System Shell Method. Australian Journal of Basic and Applied Sciences 4(10): 5253-5262. ISSN: 1991-8178

Kabit, Mohamad Raduan, Zulkipli, Norehan, Alias, Aidil Azli, Ibrahim, Wan Hashim Wan, Mansyur, Resdiansyah and Chan, Ron Aldrino, Assessing Impact of Instruction on Spatial Ability among Malaysian Engineering Students, 2010. The International Journal of Learning, pp.347-356, 16 (5)

Resdiansyah, Kabit, M.R, 2004, Value of Time For Private Transportation in Kuching City, 2 October 2004. Journal of National Technology, Indonesia, 7(2): ISSN 1410-5802.

Resdiansyah, Sing, W.L, 2003, A comparison Among 3 Types of Physical Traffic calming device: Which is More Effective at Reducing Traffic Speed?, 2003, Journal of National Technology, 2(1): ISSN 1410-5802.

### **Selected Proceeding Publication in International and National Conference**

Resdiansyah, Riza Atiq O.K Rahmat and Amiruddin Ismail. Smart Advisory System for Urban Green Mobility Scheme: South East Asia Experiences. Proceeding of 3rd Humboldt

Koleg in Indonesia, The Rise of ASEAN and Strategic Partnership in Understanding the Complexity and Collective Phenomena in Emergent Societies, 24-26 July 2017

Resdiansyah Riza Atiq O.K Rahmat and Amirudin Ismail. A Computer Clone of Human Expert for Mobility Management Scheme (E-MMS): Step toward Green Transportation. Proceeding of International Conference on Science, Infrastructure Technology, and Regional Development (ICoSITER) 2016, 28-29 September 2016

Resdiansyah, Ircham, & Otto Sandjoko. Artificial Intelligent Application in Transport Demand Management: Development and Implementation of E-SUTRA. Proceeding of the 16th FSTPT International Symposium, UMS Surakarta, 1 – 3 Nov 2013.

Resdiansyah, Wan Hashim Wan Ibrahim, Mohamad Raduan Kabit, Ron Aldrino Chan, Ircham. Hybrid Knowledge Based Expert System for Sustainable Transportation (E-SUTRA). Proceedings World Hybrid Conference Borneo, 29th September - 1st October 2013, Kuching, Sarawak Malaysia.

Resdiansyah, Riza Atiq O.K. Rahmat, & Amiruddin Ismail. A Simulation-Based Expert Advisory System for Mobility Management Scheme. Proceeding on EnCon 2012, 5th Engineering Conference, "Engineering toward Change – Empowering Green Solutions", 10-12th, July 2012, Kuching, Sarawak, Malaysia.

Resdiansyah, Riza Atiq O.K. Rahmat, Amiruddin Ismail & Deprizon Syamsunur. 2011. Application of Artificial Intelligent in Transportation Demand Management. Proceeding of 4th ASEAN Civil Engineering Conference (ACEC-2011), Pp: 325-332. Yogyakarta, Indonesia, 22-23 December 2011. ASEAN University Network/Southeast Asia Engineering Education Development Network (AUN/SEED-Net). ISBN 978-602-95687-2-1.

Deprizon Syamsunur, Riza Atiq O.K. Rahmat, Amiruddin Ismail & Resdiansyah Mansyur. 2011. Decisions of the Begining of Routes Selection for Road Alignment. Proceeding of 4th ASEAN Civil Engineering Conference (ACEC-2011), Pp: 283-288 Yogyakarta, Indonesia, 22-23 December 2011. ASEAN University Network/Southeast Asia Engineering Education Development Network (AUN/SEED-Net). ISBN 978-602-95687-2-1.

Resdiansyah, Riza Atiq O.K. Rahmat, Amiruddin Ismail & Mohamad Raduan Kabit. 2011. Knowledge Based Expert Advisory System for Transport Demand Management. Proceeding of International Conference on Advanced Science, Engineering and Information Technology (ICASEIT'11). 14-15 January 2011, ISBN 978-983-42366-4-9, pp: 652-657.

Resdiansyah, Riza Atiq O.K. Rahmat, Amiruddin Ismail & Mohamad Raduan Kabit. 2010. E-ASSIST: A Transport Demand Management Expert Advisory System. Proceeding of Malaysian Universities Transportation Research Forum and Conference (MUTRFC'10). 21 December 2010. ISBN 978-967-5770-08-1, pp: 229-240.

Resdiansyah, Riza Atiq OK Rahmat, Ammirudin Ismail, Mohamad Raduan Kabit, Ron Aldrino Chan, Mobility Management Scheme, Development of Framework to Plan and Devise Appropriate Implementation Strategies, Proceedings of 2nd Engineering Conference "Sustainable Engineering Infrastructure, Development and Management", 18-19 December 2008, Crown Plaza Riverside Hotel, Kuching, Sarawak, Held by Universiti Malaysia Sarawak, Malaysia



Ron Aldrino Chan, Mohamad Raduan Kabit, Zamry Bujang, Resdiansyah, Wan Hashim Wan Ibrahim, Preliminary Evaluation on the Effect on Climate Change on Pavement Deformation, Proceedings of 2nd Engineering Conference “Sustainable Engineering Infrastructure, Development and Management”, 18-19 December 2008, Crown Plaza Riverside Hotel, Kuching, Sarawak, Held by Universiti Malaysia Sarawak, Malaysia

Mohamad Raduan Kabit, Resdiansyah, Wan Hashim Wan Ibrahim, Ron Aldrino Chan, Assessing Parking Pricing Impacts in Traveler’s Choices, Proceedings of 2nd Engineering Conference “Sustainable Engineering Infrastructure, Development and Management”, 18-19 December 2008, Crown Plaza Riverside Hotel, Kuching, Sarawak, Held by Universiti Malaysia Sarawak, Malaysia

Mohamad Raduan Kabit, Abang Afzanizam Syam Abang Junaidi , Wan Hashim Wan Ibrahim, Ron Aldrino Chan, Resdiansyah, Comparing Binder Course Mix Design Performance Considering Different aggregate grading specifications, Proceedings of 2nd Engineering Conference “Sustainable Engineering Infrastructure, Development and Management”, 18-19 December 2008, Crown Plaza Riverside Hotel, Kuching, Sarawak, Held by Universiti Malaysia Sarawak, Malaysia

Zanariah Abd.Rahman, Resdiansyah, Comparison of Rut Depth Between Control Mix and Tender Mix in Construction of HMA, Advanced Research in Transportation and Geotechnical Engineering Proceedings of the International Conference on Construction and Building Technology 2008, 16-20 June 2008, Held by Univerisiti Tenaga Nasional collaboration with International Association for Concrete Tecnology (IACT), Kuala Lumpur, Malaysia, University Publication Center (UPENA), ISBN 978-967-305-152-6, pp 271-281.

Fathoni Usman, Resdiansyah, Service Life Prediction of Building Components, Recent Developments in Building Technology Proceedings of the International Conference on Construction and Building Technology 2008, 16-20 June 2008, Held by Univerisiti Tenaga Nasional collaboration with International Association for Concrete Tecnology (IACT), Kuala Lumpur, Malaysia, University Publication Center (UPENA), ISBN 978-967-305-152-6, pp 287-296.

Resdiansyah, Kabit, M.R, Riza Atiq O.K Rahmat, Amirrudin Ismail, Modelling on Travel Pattern: An Application of Travel Demand Management (TDM), Proceeding Publication in 3rd Malaysian Universities Transport Research Forum Conference (MUTRFC 2006), 4th-5th December 2006, Held By UKM, ESSET KWSP, Kajang, Selangor, Malaysia

Kabit, M.R, Hounsell N.B, Resdiansyah, Roundabout Capacity Considering Unbalanced Flows and Lane Specific Operations: A Case Study Using ARCADY 5, Proceeding Publication in 3rd Malaysian Universities Transport Research Forum Conference (MUTRFC 2006), 4th-5th December 2006, Held By UKM, ESSET KWSP, Kajang, Selangor, Malaysia

Resdiansyah, Kabit, M.R, Suhaida S, Evaluation Study of Humps Spacing to Encourage Driver’s to Adopt Uniform Speed Without Excessive Acceleration or Deceleration, Proceeding publication in The National Civil Engineering Conference, NACEC 2005, 10-11 December 2005, KUiTTHO, Berjaya Time Square Hotel and Convention Center, Kuala Lumpur, Malaysia

Resdiansyah, Pratiknyo T.W, Sadit D.D, 2005, Are Traffic Demand Management (TDM) Measure A Solution for Traffic Problem in Urban Areas? The Sarawak Experience, Proceeding publication in The National Civil Engineering Conference, NACEC 2005, 10-11 December 2005, KUiTTHO, Berjaya Time Square Hotel and Convention Center, Kuala Lumpur, Malaysia

Resdiansyah, Kabit, M.R, 2005, Design of Mode Choice Modeling: A Stated Preference Technique Approach to Implement New Public Transportation Services, Paper selected and subsidized for presenting in the 6th East Asia Society for Transportation Studies (EASTS) and published in Proceeding and Journal of EASTS with category "A", 21-24 September 2005, Bangkok, Thailand

Resdiansyah, Chan R.A., 2005, The Relationship Between Texture Depth Value (TDV) and Skid Resistance Value (SRV), Proceeding CD, Brunei International Conference on Engineering and Technology-BICET 2005, 15-17 August 2005, Institut Teknologi Brunei, The Centerpoint Hotel, Bandar Seri Begawan, Brunei Darussalam

Resdiansyah, Putuhena F.J, Norojono O, 2005, The Design and Evaluation of Improvement of Cross-Border Transport Infrastructure: A win-win Synergy Solution for Regional Development, 8th Regional Conference in Road Engineering-KRTJ 8, Road Development Board, Department of Public Work, Indonesia, 28-29 July 2005, Batam Island, Indonesia

Resdiansyah, Kabit M.R, Sulong S, 2005, The Impact of Series Flat Top Humps With Sinusoidal Ramps on Vehicle Speed Reduction, Proceeding CD, The AEESEAP Conference 2005, Universiti Malaya, 7-8 June 2005, Istana Hotel, Kuala Lumpur, Malaysia.

Resdiansyah, Chan R.A, 2005, The influences of Texture Depth on Low-Speed Skidding Resistance of pavement at Difficult Site Area, Proceeding CD, The AEESEAP Conference 2005, Universiti Malaya, 7-8 June 2005, Istana Hotel, Kuala Lumpur, Malaysia

Resdiansyah, Kabit M.R, 2005, The Competition of Public Transportation: Malaysia Experiences. Paper accepted in 9th International Conference on Urban Transport and Environment, 12-14 April 2005, Algarve, Portugal and accepted for The Journal of Transport, WIT Press, Southampton, United Kingdom.

Resdiansyah, 2005, Public Transportation Demand for Re-generation of Buses in Sarawak: A Preparatory Study with Determinates Sample using Logit Model. Paper Accepted in 5th Swiss transport research Conference, 9-11 March 2005, Monte Verita, Ascona, Swiss.

Resdiansyah, Chan R.A., Yok L, 2005, A Case Study on Asphalt Skid Resistance in Kuching Road: Does The Current Practice Meets The Standard?, Paper presented in One Day Seminar on Ensuring Pavement Quality and Performance with New Technology, 26th March 2005, Held By Universiti Malaysia Sarawak-collaboration with Public Work Department, State Government Sarawak and sponshorship by ASTEC.Inc.USA, Kuala Lumpur Branch, Malaysia

Resdiansyah, Soetrisno F., Chan R.A, Database of Vehicle Motor Industry in Sarawak: The Application of Intelligent and Interactive Database Management System, Paper-Work presented in Meeting on C Solution for Vehicle Motor Repair Project, Ministry Domestic

Trade and Consumer Affairs and Ministry of Transport, 21-23 March 2005, Putrajaya, Malaysia

Resdiansyah, Chan R.A., 2005, Human Factors Evaluation for Work Zones Speed Control in Kuching City, Survey Report Presented in Vehicle Motor Industry Dialogue, Ministry of Trade and Consumer Affairs, Miri Hotel, 9 January 2005, Sarawak, Malaysia

Resdiansyah, Sing, W.L., 2004, The Study of Effectiveness of Traffic Calming Devices, Proceeding-CD, 3rd National Conference in Civil Engineering-AWAM 2004, 20-22 July, Copthorne Orchid Hotel, Tanjung Bungah, Held by University Science Malaysia (USM), Penang, Malaysia

Resdiansyah, Putuhena, F.J., Kabit, M.R., 2004, Traffic Calming Approach to Reduce Traffic Speed in Commercial Business District: Case Study at KBD (Kuching Business District), Proceeding, 7th Indonesian Universities Transportation Study Forum, 9-12 September 2004, Catholic University of Parahiyangan, Bandung, Indonesia.

Resdiansyah, Kabit, M.R., Kameri, S.M., 2004, The Competition of Public Transport: An Implementation of New Bus Services in Kuching City Using Stated Preference Technique, Proceeding-CD, 2nd Malaysian Universities Transport Research Forum Conference, 1st-2nd December 2004, Held By UITM, Pan Pacific Glenmarie, Shah Alam, Malaysia, ISSN: 1823-2826.

Kabit, M.R., Resdiansyah, 2004, Travel Time Cost for Private Transportation in Kuching Area: Income and Mode Choice Approach, Proceeding-CD 2nd Malaysian Universities Transport Research Forum Conference, 1st-2nd December 2004, Held By UITM, Pan Pacific Glenmarie, Shah Alam, Malaysia, ISSN: 1823-2826.

Resdiansyah, Sing, W.L., 2004, Round-top Speed Hump, Speed Table and Speed Bump: Which is more Related to Reduce Traffic Speed?, Proceeding-CD, 2nd Malaysian Universities Transport Research Forum Conference, 1st-2nd December 2004, Held By UITM, Pan Pacific Glenmarie, Shah Alam, Malaysia, ISSN: 1823-2826.

Resdiansyah, 2003, Crushed Limestone: An Alternative Material For Road Construction, Poster Paper, Unimas Expo, 10th anniversary, Waterfront, Kuching, Sarawak, Malaysia.

Resdiansyah, Sandjoko, O., 2001, Mode Choices using Aggregate and Disaggregate Data, Proceeding, International Transportation Study Forum, Bali, 19 November 2001, Indonesia.

Resdiansyah, Norojono, O., 1998, Mode Choice Modeling for Alternative Public Transit (Executive Bus) using Logit Model, Seminar Civil Engineering, AA-YKPN, 14 May 1998, Yogyakarta, Indonesia.

Resdiansyah, Anusanto, D., 1998, Trip Generation Using Stated Preference Data: Residential Area Case Study in Yogyakarta City, STTN Seminar –Yogyakarta.

Resdiansyah, 1998. Crushed Limestone as Road Material, Final Report of Research Grant, Submitted to Dept. of Civil Engineering, Faculty of Engineering, National Technology Institute, Indonesia.

### **Monograph**

Mai Ishak, Syafiq Lee Nung Kion, Ir. Resdiansyah Mansyur, Ass Prof William Hughes, Marilyn Siew Ai@Naquiyah Abdullah, Mohammad Hossin, Zaimuariffudin Shukri Nordin, Wan Norizan Wan Hashim, Shaziti Aman, Dr. Ng Giap Weng, Fathan Soestrisno, Doria Islamiah Rusli, Kartini Abdul Gani, Mohd Kamal Othman (2007). Monograf Solusi Minda untuk Penguatkuasaan Polisi Industri Penyelenggaraan Kenderaan Bermotor Sarawak.

### **Pengalaman Mengampu Matakuliah (Course/Subject Taught)**

National Institute of Technology Yogyakarta (STTNas)

- Construction Management (STTN, Indonesia, 1994)
- Railway Construction (STTN, Indonesia, 1994)
- Road Construction (STTN, Indonesia 1995)
- Pavement Construction Procedure (STTN, Indonesia 1995)
- Traffic Engineering (STTN, Indonesia 1997)
- Transportation Modeling and Development (STTN, Indonesia 1998)
- Transportation System (STTN, Indonesian 1998)
- Material of Road Construction (STTN, Indonesia 1998)
- Advanced Transportation Engineering (STTN, Indonesia 1998)
- Airport Planning, Design and Safety (STTN, Indonesia 1998)
- Transportation Studies and Survey (STTN)

UTM- Legenda College

- Statistics and Probabilistic (UTM-Legenda College, Malaysia 1999)
- Introduction of Computer (UTM-Legenda College, Malaysia, 1999)
- Computer Architecture (UTM-Legenda College, Malaysia 2000)
- Technical Drawing (UTM-Legenda College, Malaysia 2000)
- Computer Engineering (UTM-Legenda College, Malaysia 2001)
- System Software (UTM-Legenda College, Malaysia 2002)
- Computer Organizations and (UTM-Legenda College, Malaysia 2002)
- Digital Logic Design (UTM-Legenda College, Malaysia 2002)
- Information of Technology (UTM-Legenda College, Malaysia 2003)
- Industrial Training Supervisor (UTM-Legenda College, Malaysia 2003)

Universiti Malaysia Sarawak

- Civil Engineering Material (UNIMAS, Sarawak, 2003)
- Highway and Transportation Engineering (UNIMAS, Sarawak 2003-2004)
- Traffic Engineering and Road Safety (UNIMAS, Sarawak 2003)
- Engineering Survey (UNIMAS, Sarawak 2004)
- Data Base and Information System (UNIMAS, Sarawak 2004)
- IT for Worker Knowledge (UNIMAS, Sarawak 2004)
- Traffic Engineering (UNIMAS, Sarawak 2004)
- Traffic Engineering and Road Safety-Elective Course (UNIMAS, Sarawak 2005)

Institut Teknologi Pertama, Malaysia

- Geotechnical Engineering (HND Program- ITP 2006)
- Intro to Engineering (Foundation Program-ITP 2006)
- Highway and Transportation (HND Program- ITP 2006)
- Civil Engineering Construction B (HND Program- ITP 2006)
- Group Project (HND Program- ITP 2006)
- Individual Student Project (HND Program- ITP 2006)

- Science and Material (HND Program-ITP 2006)
- Site Surveying Procedure (HND Program-ITP 2006)
- Environmental Science (HND Program-ITP 2006)

Linton University College (Internal Program), Malaysia

- Land Surveying 1 (Diploma-Linton College 2006)
- Land Surveying 2 (Diploma-Linton College 2006)
- Strength of Material (Diploma-Linton College 2006)
- Highway Engineering (Diploma-Linton College 2007)

University of East London (B.Eng-Hons)-LUC

- Research Skill (Year 2-2007)
- Skill Academic Learning in Civil Engineering (Year 1-2007)
- Research Project (Year 3-2008)
- Professional Practice (Year 3-2008)
- Professional Studies (Year 2-2009)
- Final Project (Year 3-2009)
- Construction Management and Integrated Design ( Year 3-2009)

University of East London (MSc in Civil Eng)

- CEM007 Highway Design and Transportation (2010)
- CEM012 Highway Engineering (2011)
- CEM013 Transportation (2012)
- CEM011 Research Dissertation (2011-2012)

Universiti Malaysia Sarawak (B.Eng)

- KNS3493 Highway Engineering (UNIMAS, Sarawak, 2012)
- KNS4573 Urban Infrastructure and Transport Planning (UNIMAS, Sarawak, 2012)
- KNS4442 Integrated Design Project 1 (UNIMAS, Sarawak, 2012)
- KNS3433 Traffic Engineering (UNIMAS, Sarawak, 2013)
- KNS4673/4674 Integrated Design Project 2 (UNIMAS, Sarawak, 2012)

Universiti Malaysia Sarawak (M.Eng)

- KNS6403 Transport Planning (UNIMAS, Sarawak, 2012)
- KNS6443 Traffic Engineering and Safety (UNIMAS, Sarawak, 2013)

Politeknik Enjinering Indorama

- Artificial Intelligent
- Research Methodology

**Software Knowledge/Experiences (Novis/Intermediate/Advance)**

- MX ROAD Bentley 2010
- Kappa-PC 2.4 ( Expert System Shell)
- Microsoft Office 97 and 2000 (Word, Excel, Power Point, Access)
- Microsoft Project 2000
- Primavera (For Management Construction)
- TFTP 97 (Teacher Friendly Transportation Program)
- Limdep version 7.0 and 8.0 (Modeling Software for Econometric Transportation)
- Nested Logit Version 3.0

- KAJI Version 1.1 (Road Capacity Software)
- KENLAYER and KENSLAB (Pavement)
- MePADS (Pavement Analysis and Design)
- Trans-plan (Transportation Planning)
- SOAP (Signal Operation Analysis Package)
- CDS software (Geometric Design)
- Fotran 90
- SPSS 12.0 (Statistic Operation and Analysis)

### **Pembimbingan Project/Thesis/Dissertation**

#### **PhD Level:**

Lim Hung Ling, Investigation of Sealing Method Performances and Its Cost Effectiveness for Sarawak Road, Universiti Malaysia Sarawak, 2012 (main Supervisor)

Lee Shyue Leong, The Investigation of Acoustic Performance and Durability Properties of Rice-Bran Based Surface for Long Lasting Surface, Universiti Malaysia Sarawak, 2012 (Main Supervisor)

Siti Mayuni, Monitoring and Evaluating Infrastructure Safety Deficiencies toward Integrated Road Safety Improvement in Indonesia (Case Study: Traffic Accident in Pontianak National Road, West Kalimantan, Indonesia, Universitas Tanjung Pura, Pontianak, Indonesia (Co-supervisor), 2011

#### **Master Level (MSc/M.Eng):**

Bayu Martodihardjo, Development of Expert System for Diagnosis of Pavement Distress for Sarawak Road, Universiti Malaysia Sarawak, 2013 (main supervisor)

Siti Leyla Kasim, Green Pavement using Pre-Cast Honeycomb Structure: Investigation on In-Service Skidding Resistance and Acoustic Properties, Universiti Malaysia Sarawak, 2012 (Main Supervisor)

Ryan Septiady Nugraha, Commuter Train Mode Choice Modeling Using Binary Logit Model. MSc Dissertation, University of East London, UK, November 2011. (Main Supervisor)

Zhang Jing ping, Assesment of Green Building index (GBI) in The Southwest China, University of East London, UK, April 2012. (Main Supervisor)

Ron Aldrino Chan, The Experimental Use of ITS: Intelligent Speed Monitoring System to Enhance Speed Compliance, Master of Engineering Thesis, Unimas, 2005. Main Supervisor – Half way

Teguh Yuwono Pratiknyo, Modeling on Travel Pattern: An Application of Transport Control Measurement (TCM) to Reduce Traffic Circulation and Congestion, Master of Engineering Thesis, Unimas, 2005. Main Supervisor –Half Way

#### **BEng Degree/HND/Diploma Level:**

MD Zulfadli Mahmud, Friction Value of High Stone Surface Mix in Concrete Pavement (PCC) for Texture Dressing, Thesis, Bachelors (Hons) in Civil Engineering, Universiti Malaysia Sarawak, May 2013

Neary Clevan Medolin, Performance of Palm Kernel Shells as A Partial Replacement for Coarse Aggregate in Hot Mastic Asphalt (HMA), Thesis, Bachelors (Hons) in Civil Engineering, Universiti Malaysia Sarawak, May 2013

Mohd. Irshad Syafiq Azemi, Development of Binary Logit model of Driver Decision at Onset of Amber, Thesis, Bachelors (Hons) in Civil Engineering, Universiti Malaysia Sarawak, May 2013

Cordelia Herbert Buda, Skid Resistance Evaluation in Concrete Pavement, Thesis, Bachelors (Hons) in Civil Engineering, Universiti Malaysia Sarawak, May 2013

Abdul Hadi Suadi, Study on Polished Stone Value (PSV) of Different Aggregates Used in Sarawak Road, Thesis, Bachelors (Hons) in Civil Engineering, Universiti Malaysia Sarawak, May 2013

Noor Atiqah Bt Datuk Nasruddin, The Effectiveness of Speed Display Sign in Reducing Speed in Major Arterial Road: Case study at Negeri Sembilan State. Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, November 2011

Mohammad Asraf Abdullah, The Investigation of Friction Value of Sepang International Circuit. Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, November 2011

Kaboash, Mode Choice Modelling in Public Transportation: Competition between Bus and Train Services at Seremban. Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, November 2011

Waheed Al Taqhee, Skid Resistance Value for Concrete Pavement with variety of Surface Dressing Pattern. Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, November 2011

George Nyabango, Evaluation of Level of Service Based on Estimating Travel Time on Arterial Road, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, April 2011

Talal Fauwze Akar, Evaluation of Runway Extension and Control Zones: Case Study of Upgrading Malacca Airport, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, April 2011

Munzir Khalid Gasmelkalig Elagib, Performance of Hot Mix Asphalt (HMA) due to Compaction Methods, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, April 2011

Andi Tiurma harahap, Evaluation of Surface Dressing Texture Depth and Skid Resistance Using Different Coated Aggregate Sizes, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, April 2011

Ali Imran, Analysis of Queue Length at Plus Expressway Sungai Besi Toll Plaza, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, April 2011

Sufyan Waleed Abid, Friction Comparison of High Stone Surface Mixed in Concrete Pavement: Application for Surface Dressing , Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, December 2010.

Sani Lawal Jari, Investigation of Skid Resistance on Different Road Surface Conditions, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, December 2010

Kelvin Torkuma Zendhesa, The Investigation of Using Palm Kernel Shell as Partial Coarse Aggregates Replacement in Asphaltic Concrete (ACW14), Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, December 2011

Ryan Setiady Nugraha, The Evaluation of Asphalt Concrete Properties Compacted at Various Temperature, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, May 2010

Kamarulzaman Nordin, The Influence of Texture Depth on Skidding Resistance at Gradient with Bends, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, May 2010

Hii Yii Siong, Evaluation of Flow Processes of Bottleneck Formation at Roundabout, Bangi Case Study, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, May 2010

Muhamad Syukri Ahmad Kamal, The Evaluation of Level of Services (LOS) at Un-Signalised Intersection Based on Highway Capacity Manual (HCM) 2000, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, May 2010

Maslinda Sukiran, Speed Limit Study and Its Reconciling with Posted Speed, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, May 2010

Fatimah Milhana Noor Ezzudin, Study of Hot Mix Asphalt (HMA) Properties Compacted at various of Number of Blow, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, May 2010

Thomas Luther, The Investigation of Friction Value at Runway KLIA on Skidding Resistance, Thesis, Bachelor (Hons) in Civil Engineering, University of East London, UK, July 2009

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