

Ramadhansyah Putra Jaya*Associate Professor**B.Eng., M.Sc., Ph.D., P.E., M.ASCE, M.ICE, IAENG, FIHE**Civil Engineering Department**College of Engineering**Universiti Malaysia Pahang**23600 Gambang, Pahang Darul Makmur, Malaysia***Expectation and Ambition**

“To Learn and Gain the Necessary Expertise(s) and Experience(s) in Teaching and Conducting Research in Related Areas with a Long Term Goal of Being A Successful Researcher and Educator”

Academic and Professional Qualifications			
Year	Degree	Discipline	University
1997 – 2000	Dipl. In Civil Engineering	Civil Engineering	Lhokseumawe State Polytechnic (Aceh)
2001 – 2003	B.Eng. In Civil Engineering	Civil Engineering	Syiah Kuala of University (Aceh)
2005 – 2008	MSc. Eng.	Pavement Material	Universiti Sains Malaysia
2008 – 2011	Ph.D. Eng.	Concrete Technology	Universiti Sains Malaysia

Professional Membership	
Member	Institution Of Engineers Indonesia (IEI) No. 0905.15.022746 Professional Engineer
Fellow	International Association of Engineers (IAENG) No. 237761 Senior Fellow, Hong Kong
Fellow	Institute of Highway Engineers (FIHE) No. 59228424 Senior Fellow, United Kingdom
Member	Institution of Civil Engineers United Kingdom (ICE UK) No. 85855961 Professional Engineer
Member	American Society of Civil Engineers (M. ASCE) No. 10946957 Professional Engineer
Fellow	World Association for Scientific Research and Technical Innovation No. M17294 Life-Time Membership, Global Research & Development Service, India

Working Experience		
Year	Positions	University
2005 – 2008	Researcher	School of Civil Engineering, Universiti Sains Malaysia
2008 – 2011	Senior Researcher	School of Civil Engineering, Universiti Sains Malaysia
2012 - 2018	Senior Lecturer	Faculty of Civil Engineering, Universiti Teknologi Malaysia
2018 to date	Associate Professor	College Of Engineering Universiti Malaysia Pahang
2020 to date	Research Fellow	Center of Excellence Geopolymer & Green Technology (CEGeoGTech) School of Materials Engineering, Universiti Malaysia Perlis
2020 to date	Research Fellow	Earth Resources and Sustainability Center (ERAS) Universiti Malaysia Pahang

Main Current Research Area	
▪ Nano in Pavement Materials ▪ Pavement Design & Analysis ▪ Asphalt Rheology Properties ▪ Asphalt Concrete Mixture Design ▪ Highway Materials & Construction	▪ Advance Concrete Technology ▪ Strength of Materials Laboratory ▪ Utilization of Waste Materials in Concrete ▪ Nano in Concrete Technology ▪ Concrete Durability

Academic/Exhibition Award	
2008	REAM Best Engineering Student Project Award (MSc. Civil Eng.) The Road Engineering Association of Malaysia (REAM)
2015	National Concrete Pontoon Competition (UTHM) Best Product, Second Place
2017	International Invention, Innovation and Design Competition (UiTM) Gold Medal
2017	Excellent Service Award (APC) Academic Excellent Award, Universiti Teknologi Malaysia
2017	Researcher Excellent Award Faculty of Civil Engineering, Universiti Teknologi Malaysia

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- 2019 **Creation, Innovation, Technology & Research Exposition (CITREX 2019)**
Silver Award, Universiti Malaysia Pahang. Project title "*Waste Cooking Oil as Bio Bitumen for Alternative Binder*".
- 2019 **Cendekia Bitara (Publication Award)**
Universiti Malaysia Pahang
- 2019 **Excellent Teaching Performance**
Universiti Malaysia Pahang
- 2019 **Global Top Reviewers in Materials Science**
Web of Science, Clarivate Analytics (United States)
- 2019 **Global Top Reviewers in Cross-Field**
Web of Science, Clarivate Analytics (United States)
- 2020 **Creation, Innovation, Technology & Research Exposition (CITREX 2020)**
Silver Award, Universiti Malaysia Pahang. Project title "*Waste Plastic in Asphalt - Green Road*".
- 2020 **Creation, Innovation, Technology & Research Exposition (CITREX 2020)**
Bronze Award, Universiti Malaysia Pahang. Project title "*HiscusPave - Kenaf modified Porous Asphalt*".
- 2020 **Microstructure and Physical Properties of Nano Charcoal Ash as Binder**
Howard Medal, The Institution of Civil Engineers United Kingdom
- 2020 **Excellent Service Award (APC)**
Academic Excellent Award, Universiti Malaysia Pahang
- 2020 **International, Invention, Innovation & Technology Exhibition (ITEX)**
Gold Medal, Malaysian Invention and design Society
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Research Grant				
Year	Topic	Sponsorship	Amount (RM)	Description
February 2011 – February 2012	Performance of Rice Husk Ash Blended Cement Concrete under Aggressive Environment	Postgraduate Research Grant Scheme, USM	20,000.00	Completed
July 2013 – July 2014	Malaysian Rice Husk Ash: Improving the Durability and Properties of Concrete Pavement	Research University Grant (RUG), UTM	30,000.00	Completed
June 2013 – May 2014	Laboratory Evaluation on the Effect of Mixture Design on Porous Asphalt Mixture Performance	Research University Grant (RUG), UTM	20,000.00	Completed

Curriculum Vitae

April 2014 - December 2015	Performance of Porous Concrete Pavement Incorporating Nano Silica From Rice Husk Ash	Research University Grant (RUG), UTM	20,000.00	Completed
April 2014 - March 2015	Effect of Clogging on the Properties of Porous Asphalt	Research University Grant (RUG), UTM	30,804.00	Completed
April 2014 - February 2016	Traffic Accident Predictive Model Based on Pavement Condition	Research University Grant (RUG), UTM	50,000.00	Completed
July 2014 - June 2015	Construction of Roads and Highways Using Hazardous Industrial Waste Materials	Research University Grant (RUG), UTM	20,000.00	Completed
June 2014 - May 2016	Durability Mechanism of Self-Compacting Concrete with Coal Bottom Ash Subjected to Weathering Simulation by Wetting and Drying Cycles	Fundamental Research Grant Scheme (FRGS)	101,000.00	Completed
October 2014 - October 2015	Microstructural Characterization of Triple Blended Geo-polymer Mortar	Research University Grant (RUG), UTM	20,000.00	Completed
May 2015 - October 2016	The Effects of Coconut Shell on the Engineering Properties and Performance of Porous Asphalt	Research University Grant (RUG), UTM	50,000.00	Completed
May 2015 - October 2016	Modification of Bitumen Binder for Roads and Highways by Waste Materials	Research University Grant (RUG), UTM	42,250.00	Completed
May 2015 - October 2016	Development of High Permeability and Low Noise Concrete Paving Blocks	Research University Grant (RUG), UTM	49,750.00	Completed
May 2015 - October 2016	Engineering Properties and Durability Performance of Nano Particles of Multiple Blended Geo-polymer Concrete	Research University Grant (RUG), UTM	20,000.00	Completed
June 2015 - May 2016	Investigation on Nailed Edge Restraint Concrete Block Paver for Pavement	Research University Grant (RUG), UTM	20,000.00	Completed
November 2015 - November 2017	The Application of Cup Lump Rubber for Asphalt Pavement	Research University Grant (RUG), UTM	50,000.00	Completed

Curriculum Vitae

November 2015 - November 2017	Eco-Green Electrically Conductive Geo-Polymer Concrete	Research University Grant (RUG), UTM	50,000.00	Completed
February 2016 - January 2018	Utilization of Carbon Dioxide (CO ₂) Emissions From Road Construction Industries to Renewable Energy	Research University Grant (RUG), UTM	50,000.00	Completed
August 2016 - July 2018	Particle Bonding Theory of Liquid Sludge through Electrostatic Interaction by Waste Paper Sludge Ash (WPSA)	Fundamental Research Grant Scheme (FRGS)	98,000.00	Completed
July 2016 - June 2018	Performance of palm oil fuel ash in asphalt emulsion	Research University Grant (RUG), UTM	50,000.00	Completed
October 2016 - September 2018	Performance of Carbon Neutral Materials for Road Construction	Research University Grant (RUG), UTM	40,000.00	Completed
July 2017 - June 2019	Performance of Waste Cooking Oil as an Alternative Binder for Hot Mix Asphalt	Research University Grant (RUG), UTM	40,000.00	Completed
July 2017 - June 2019	Prediction on the Remaining Strength Of Flooded Asphalt Mixture	Research University Grant (RUG), UTM	32,800.00	Completed
July 2017 - December 2018	Performance of Rutting, Stripping and Cracking of Warm Mix Asphalt	Research University Grant (RUG), UTM	40,000.00	Completed
July 2017 - September 2018	Performance of Rejuvenated Recycled Asphalt Mixture	Research University Grant (RUG), UTM	20,000.00	Completed
February 2018 - January 2020	Urban Heat Island Effect: Thermal Response of Conventional and Modified Asphalt Pavements	Research University Grant (RUG), UTM	50,000.00	Completed
July 2018 - June 2019	Kajian Status Hasil Dan Kualiti Air Negeri Pahang Darul Makmur	PEJABAT SETIAUSAHA KERAJAAN PAHANG	199,123.37	Completed
September 2018 - September 2020	Performance of Waste Cooking Oil as Bitumen Modifier	Research University Grant (RDU), UMP	32,000.00	Completed
September 2018 - September 2020	Assessment of Nanosilica Concentrations Towards the Microstructural Changes of Nanosilica Modified Asphalt Binder	Research University Grant (RDU), UMP	27,500.00	On-going

Curriculum Vitae

September 2018 - September 2020	Geotechnical Characterisation of Bauxite Deposits in the Kuantan for Civil Engineering Work Purposes	Research University Grant (RDU), UMP	36,000.00	On-going
January 2019 - December 2020	Microstructural Behaviour for Reversible Moisture Damage in Flooded Asphalt Mixture	Fundamental Research Grant Scheme (FRGS)	61,000.00	On-going
July 2018 - June 2019	Study of Permanent Stabilization Project for Rock Slope at Jelapang, KM258.17 South Bound Section N5(Ipoh) and Bukit Lanjan, Section C4 and Site Investigation Project Using Electrical Resistivity Survey at Jabatan Taman Laut Malaysia, Pulau Aur Mersing Johor	Geores Resources	21,000.00	Completed
June 2018 - June 2019	Spatial Analytic Model for Wind Hazard Assessment: An Integrated Approach	International Grant (Tokyo Polytechnic University)	5,000.00	Completed
May 2019 - May 2021	The Influence of Black Rice Husk Ash Blended Cement Concrete Under Chloride and Sulphate Attack	Research University Grant (RDU), UMP	31,000.00	On-going
May 2019 - May 2021	Evaluation on the Mechanical and Durability Properties of Concrete Containing Industrial Waste Garnet as Partial Fine Aggregate Replacement	Research University Grant (RDU), UMP	35,000.00	On-going
May 2019 - April 2021	Formulation of Model to Assess the Failure of Rock Slope	Research University Grant (RDU), UMP	34,500.00	On-going
September 2019 - August 2021	Structural Behaviour of Pavement Patching Work	Fundamental Research Grant Scheme (FRGS)	66,200.00	On-going
September 2019 - August 2021	Relationship Between Physical and Chemical Behaviour of Recovered Bitumen Incorporating Maltene as the Rejuvenating Agent	Fundamental Research Grant Scheme (FRGS)	63,000.00	On-going
September 2019 - August 2021	Environmental Effects on Structural and Cooling Behavior of Hot Mix Asphalt under Compaction	Fundamental Research Grant Scheme (FRGS)	64,000.00	On-going
September 2019 - August 2021	Investigation on the Compatibility of Waste Cooking Oil (WCO) For Binder Modification and Its Application in Porous Asphalt Mixture	Fundamental Research Grant Scheme (FRGS)	79,000.00	On-going

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September 2019 - August 2021	Microstructure Interaction Mechanism of Asphalt Binder Incorporating Natural Fibers	Research Acculturation of Early Career Researchers (RACER)	66,000.00	On-going
September 2019 - August 2021	Self-Healing Mechanism Predictive model of Bituminous Materials	Fundamental Research Grant Scheme (FRGS)	97,700.00	On-going
November 2019 - September 2021	Modelling Double Layer Porous Asphalt Mixture Incorporating Various Type of Natural Fibers	Research University Grant (RDU), UMP	30,500.00	On-going
January 2020 - December 2021	Model Modular Industri Huntap Pasca Bencana Yang Berguna Bagi Masyarakat	International Grant (Narotama University, UMP and RISTEKDIKTI)	72,300.00	On-going
December 2020 - December 2022	The Behaviour Of Permeable Concrete Pavement By Using Geopolymer Concrete For Medium Traffic Loading	Postgraduate Research Grants Scheme	6,000.00	On-going
November 2020 - October 2022	Development Of High Durability Asphalt Block Pavement	Geran Pembangunan Produk, UMP	38,000.00	On-going
December 2020 - December 2022	Fundamental Cost Estimation Guideline For Sustainable Development Of Residential Buildings In Malaysian Seismic Prone Region	Research University Grant (RDU), UMP	20,000.00	On-going
December 2020 - December 2022	Evaluation On The Rheological And Mechanical Properties Of Concrete Containing Eggshell And Tire Crumb	Research University Grant (RDU), UMP	33,000.00	On-going
December 2020 - December 2022	The Behaviour Of Permeable Concrete Pavement By Using Geopolymer Concrete For Medium Traffic Loading	Research University Grant (PGRS), UMP	6,000.00	On-going
Cumulative			RM 2,138,427	

Teaching Experience

Year	Courses Taught	Level	University
2006 – 2007	Highway and Traffic Engineering Laboratory	Undergraduate	School of Civil Engineering Universiti Sains Malaysia
2012 - 2017	Highway Engineering	Undergraduate	Faculty of Civil Engineering Universiti Teknologi Malaysia

Curriculum Vitae

2012 - 2017	Advanced Road Materials (Course Coordinator)	Undergraduate and Postgraduate	Faculty of Civil Engineering Universiti Teknologi Malaysia
2012 - 2017	Research Methodology	Postgraduate	Faculty of Civil Engineering Universiti Teknologi Malaysia
2012 - 2017	Civil Engineering Laboratory	Undergraduate	Faculty of Civil Engineering Universiti Teknologi Malaysia
2018- present	Civil Engineering Materials	Undergraduate	Faculty of Civil Engineering and Earth Resources, Universiti Malaysia Pahang
2018- present	Engineering Laboratory IV	Undergraduate	Faculty of Civil Engineering and Earth Resources, Universiti Malaysia Pahang
2018- present	Research Methodology & Pre - Project	Undergraduate	Faculty of Civil Engineering and Earth Resources, Universiti Malaysia Pahang
2018- present	Engineering Laboratory III (Geotechnical & Highway)	Undergraduate	Faculty of Civil Engineering and Earth Resources, Universiti Malaysia Pahang

Internal Examiner			
Month/Year	Name	Level	Faculty/University
Feb. 2013	YASSAR TALIB NIJRIS	Master of Civil Engineering	Faculty of Civil Engineering Universiti Teknologi Malaysia
December. 2014	MOHD AMIRUL HAKIM MD NOOR	Master of Civil Engineering	Faculty of Civil Engineering Universiti Teknologi Malaysia
December. 2014	AZIM ABDUL RAZAK	Master of Civil Engineering	Faculty of Civil Engineering Universiti Teknologi Malaysia
December. 2015	KHAIRUL HAFIZ MUSTAFA	Master of Civil Engineering	Faculty of Civil Engineering Universiti Teknologi Malaysia
December. 2016	DAVID SSEGUJJA	Master of Civil Engineering	Faculty of Civil Engineering Universiti Teknologi Malaysia
April. 2018	SHARUDIN BIN ISMAIL	Doctor of Philosophy	Faculty of Civil Engineering Universiti Teknologi Malaysia
November. 2020	HUSSEIN MAHMOOD HAMADA	Doctor of Philosophy	Faculty of Civil Engineering Technology Universiti Malaysia Pahang

External Examiner			
Month/Year	Name	Level	Faculty/University
March. 2017	AHMAD NAJMI FAKHRUDEEN MAT AZMI	Master of Science	Faculty of Civil Engineering Universiti Teknologi MARA

Curriculum Vitae

April. 2018	WAN AHMAD SOFFIAN BIN WAN MOHAMMAD	Master of Engineering	Faculty of Civil and Environmental Engineering Universiti Tun Hussein Onn Malaysia
July. 2018	CHEW J-WEI	Master of Science	School of Civil Engineering, Universiti Sains Malaysia
July. 2019	MUHAMMAD FAT-HI AL JUWAINI PAHROL	Master of Science	Faculty of Civil Engineering & Earth Resources, Universiti Malaysia Pahang
April. 2019	WARID WAZIEN BIN AHMAD ZAILANI	Doctor of Philosophy	Faculty of Engineering Technology, Universiti Malaysia Perlis
July. 2019	MOHAMMED HAMZA MOMADE	Doctor of Philosophy	School of Civil Engineering, Universiti Teknologi Malaysia
October 2019	ZAINORA MISRI	Master of Engineering	Faculty of Civil and Environmental Engineering Universiti Tun Hussein Onn Malaysia
December 2019	MOHAMMAD SOFFI MD NOH	Doctor of Philosophy	Faculty of Civil Engineering Universiti Teknologi MARA
February 2021	AHMAD YUSRI MUHAMAD	Doctor of Philosophy	Faculty of Engineering and Built Environment Universiti Kebangsaan Malaysia

Supervisions			
Name	Thesis Title	Level	Status
EUNIZA ANAK JUSLI	Engineering Properties of Double Layer Rubberized Concrete Paving Blocks	Ph.D.	Graduated
NURULAIN BINTI CHE' MAT	Performance of Nano Clay on Porous Asphalt Mixture	Ph.D.	Graduated
WAN NUR AIFA BINTI WAN AZAHAR	Binder Characterization and Performance of Asphaltic Concrete Modified with Waste Cooking Oil	Ph.D.	Graduated
SITI NUR AMIERA JEFFRY	Nano Charcoal Ash from Coconut Shell as Alternative Binder	Ph.D.	Graduated
AHMED ABDULAMEER HUSSEIN	Nano Ceramic Powder as Binder in Bitumen	Ph.D.	Graduated
MOHD IBRAHIM MOHD YUSAK	Properties of Porous Concrete Pavement Containing Nano Silica	Ph.D.	Graduated
AHMAD FARHAN HAMZAH	Durability of Self-Compacting Concrete with Coal Bottom Ash as Sand Replacement Material Under Aggressive Environment	Ph.D. (UTHM)	Graduated
FARAHYAH ABDUL RAHMAN	Solution of Pollution in Highway Industry	Ph.D.	Graduated
SALAM RIDHA OLEIWI AL-ETBA	Thermal Behavior of Sustainable Asphalt Mixture	Ph.D.	Graduated

THANWA FILZA NASHRUDDIN	Pollution to Solution in Rubber Industries	Ph.D.	Graduated
NOORUL IQHLIMA NAJWA ISMAIL	A Comparative Study of Kuantan Bauxite Mineralogy as Potential Material in Civil Engineering	Ph.D.	On-going
AMMINUDIN AB LATIF	Performance of Porous Concrete Pavement Containing Nano Sewerage Sludge Ash	Ph.D.	On-going
MOHD KHAIRY BURHANUDIN	Engineering Properties and Microstructure of Self-Compacting Concrete Containing Green Nano Silica as Cement Replacement Material	Ph.D. (UTHM)	On-going
NURSHAMIMIE MUHAMAD FAUZI	Development of Controlled Strength Subgrade Material From Selected Industrial Waste	Ph.D. (UiTM)	On-going
NURUL ELYEENA ROSTAM	Develop a Mixture Design for Porous Concrete Pavement by Using Geopolymer for Medium Traffic Loading	Ph.D.	On-going
ROSMAWATI MAMAT	Utilizing Bio-Oil and Char from Coconut Shell to Improve the Properties of Asphalt Mixture	Ph.D.	On-going
NUR HIDAYAH ABD HALIM	Porous Concrete Paving Blocks for Pavement	Ph.D.	On-going
Master of Engineering			
NUR EZREEN JASNI	Performance of Porous Asphalt Incorporating Natural Fiber	M.Sc.	On-going
CHONG BENG WEI	Finite Element Analysis on the Effect of Hollow Section on the Strength of Foam Concrete Beam	M.Sc.	On-going
NG CUI MING	The Influence of Eggshell as Coarse Aggregate Replacement in Hot Mix Asphalt	M.Sc.	On-going
NICOLE LIEW SIAW ING	Performance of Porous Asphalt Mixture Containing Seashell as Aggregate Replacement	M.Sc.	On-going
TAY LAY TING	Double Layer Porous Asphalt Pavement Containing Coconut Shell	M. Eng.	Graduated
NOR ASNIZA BINTI MOHAMED ABDULLAH	Application of Diatomite as Anti-clogging agent for porous asphalt	M. Eng.	Graduated
NORFAZIRA BINTI MOHD AZAHAR	Use of Cup Lump Rubber in Asphalt for Road Application	M. Eng.	Graduated
RAJA NURUL AFIQAH BINTI RAJA ZULKEFLI	Behaviour of Palm Oil Fuel Ash (POFA) in Asphalt Emulsion	M. Eng.	On-going
JING XIN	Micromechanical Model Of Soil Compression	M. Eng.	On-going
NURUL FASIAH BINTI BASIRUN	The Influence of Nano-Bottom Ash as Cement Replacement on self-concrete	M. Eng. (UTHM)	Graduated
NUR AMIRAH MOHD SHAFFERI	Influences of Clay on Asphaltic Concrete Subjected to Aging	M. Eng.	Graduated

Curriculum Vitae

ROMANA SARKER LOPA	The Effect of Waste Cooking Oil on Asphaltic Concrete at Different Aging Conditions	M. Eng.	Graduated
MUSTAFA KAMEL JAMAL E. MHANI	Performance of Ceramic Powder on Concrete Pavement	M. Eng.	Graduated
NOOR AZLAN ABDULLAH	Performance of Asphaltic Concrete Containing Black Rice Husk Ash Under Aging	M. Eng.	Graduated
ABDIRIZAK OSMAN DAWLAD	Evaluation of Abrasion Loss of Asphaltic Concrete Subjected to Ageing	M. Eng.	Graduated
DIANA NAUBI	Effects of Aging on Asphaltic Concrete Containing Rubber by Using Loss Abrasion	M. Eng.	Graduated
FARAHYAH ABDUL RAHMAN	Effect of Aggregate Gradation on Porous Asphalt Properties	M. Eng.	Graduated
ABDULMALIK MUSA MALEKA	Effect of Palm Oil Fuel Ash Fineness on the Properties of Asphaltic Concrete AC14	M. Eng.	Graduated
MOHD DAUD JARKASI	Influence of Aggregate Flakiness on Marshall Properties for Asphaltic Concrete AC14	M. Eng.	Graduated
MOHAMMED AHMED NAYEL	Performance of Asphalt Concrete AC14 Incorporated CR and Subjected to Ageing	M. Eng.	Graduated
MOHD ZUL HANIF MAHMUD	Influence of Flaky Aggregate Towards Creep and Resilient Modulus on Asphalt Concrete	M. Eng.	Graduated
MUHAMMAD FAIZ ABD RAHMAN	Aggregate Flakiness Influences on AC14 Towards Resilient and Creep Modulus	M. Eng.	Graduated
NADHIR AHMAD TARMUZI	The Effect of Aggregate's Angularity on Engineering Properties and Performance of Porous Asphalt	M. Eng.	Graduated (Best Eng. Student)
NURULAIN CHE'MAT	Effect of Modified Sasobit® on Performance Asphalt Mixture	M. Eng.	Graduated
RABEE ABDALJAEEL HASEN	Properties of Asphalt Concrete Incorporating Crumb Rubber Produced Through Dry Process	M. Eng.	Graduated
THANWA FILZA NASHRUDDIN	The Effect of Time Dependent on the Absorption on Asphaltic Concrete	M. Eng.	Graduated
ZAINI ABD KARIM	Influence of Flaky Aggregate on Marshall Properties for Asphalt Concrete AC20	M. Eng.	Graduated
MOAZZAM ALI MUGHAL	Rheological Properties of Polyethylene Modified Bitumen	M. Eng.	Graduated
NORHAFIZAH MANAP	The Effect of Coconut Shell on the Engineering Properties of Porous Asphalt	M. Eng.	Graduated (Best Eng. Student)
SITI NUR AMIERA JEFFRY	Properties of Asphaltic Concrete AC14 Containing Coconut Shell as Coarse Aggregate	M. Eng.	Graduated
NURFATIN AQEELA MIRON	Utilization of Coconut Shell as Fine Aggregate in Asphaltic Concrete AC14	M. Eng.	Graduated

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GIZING SAMI HAMID	Influences of Crumb Rubber Size on Hot Mix Asphalt Mixture	M. Eng.	Graduated (Best Eng. Student)
FAISAL MOHAMMED MOHAMMED SALAH	Performance of Asphaltic Concrete Incorporating SBR Subjected to Aging	M. Eng.	Graduated
NUR AIN BINTI MUSTAPA	Effect of Fineness Coconut Shell Charcoal Ash on the Rheological Properties of Bitumen	M. Eng.	Graduated
Bachelor of Engineering			
MOHD NOR AFIQ SHAHAUDDIN	Performance of Concrete Pavement Incorporating Kaolin Clay	B.Eng.	Graduated
SITI ASPALAILI MOHAMD SHARIF	Influence of Styrene Butadiene Rubber Modified Bitumen on Asphaltic Concrete Mixture	B.Eng.	Graduated
TAN HUAN CHAN	Performance of Multiple Blended Binders on the Properties of Rigid Pavement	B.Eng.	Graduated
RAISSA ROMASTARIKA	The Effect of Black Rice Husk Ash on the Rheological Properties of Bitumen	B.Eng.	Graduated
AMIRAH HANNANI BINTI MADZAILI	The Effect of Coconut Shell as Coarse Aggregate in Asphalt Mixture	B.Eng.	Graduated
SITI AMINAH BINTI ABD KADER	Utilization of Waste Plastic as Additive to Improve Asphalt Mixture	B.Eng.	Graduated
NURUL ASYIQIN BINTI AHMAD	The Use of Plastic Waste in Bituminous Mixture for the Road Pavement	B.Eng.	Graduated
MOHAMAD HASIMIM RAFSANJANI MOHD NAZIR	Influence of fineness Kaolin Clay on Asphaltic Concrete AC14	B.Eng.	Graduated
MUHAMMAD SYAHIR MOHD ARSAD @ ARSHAD	Performance of Black Rice Husk Ash on the Engineering Properties of Asphalt Mixture	B.Eng.	Graduated
ALYSSA HEERA ASING	Performance of Asphaltic Concrete Incorporating Charcoal Coconut Shell Ash Under Short Term Aging	B.Eng.	Graduated
NURUL ADILAH BINTI MOHD YUSERI	Effect of Charcoal Coconut Shell Ash on the Asphalt Mixture Under Long Term Aging	B.Eng.	Graduated
SITI NOOR FARZANA BINTI ARIFF	The Influence of Waste Motor Engine Oil in Warm Mix Asphalt	B.Eng.	Graduated
NURUL IZZATUL ALIA BINTI NAZRI	The Effect of Waste Cooking Oil in Warm Mix Asphalt	B.Eng.	Graduated
SAIFUL AMRI BIN MUHAMMAD GHAFI	Performance of Plastic Waste in Asphalt Mixture Through Dry Process	B.Eng.	Graduated

Research Experience			
Month/Year	Position	Field of Work	Place of Work
March 2005 – June 2005	Research Assistant	Environmental Engineering	School of Civil Engineering USM
November 2005	Research Assistant	Highway & Transportation	School of Civil Engineering

– January 2006		Engineering	USM
January 2006 – March 2006	Research Assistant	Management in Higher Education	School of Housing, Building & Planning, USM
September 2006 – September 2007	Research Assistant	Highway & Transportation Engineering	School of Civil Engineering USM
November 2007 – December 2007	Research Assistant	Water Resources Engineering	School of Civil Engineering USM
April 2008 – May 2008	Research Officer	Geotechnical Engineering	School of Distance Education USM
August 2008 – August 2012	Research Officer	Concrete Technology	School of Civil Engineering USM

Extra-Curricular Activities

Month/Year	Accomplishments
May 2005	Occupational Safety and Health Course for Post Graduate Students Universiti Sains Malaysia
July 2005	Workshop on Research Design & Methodology, Universiti Sains Malaysia
September 2005	Workshop on Data Analysis, Universiti Sains Malaysia
May 2006	Secretariat of 1 st Civil Engineering Colloquium 2006 School of Civil Engineering, Universiti Sains Malaysia
February 2007	Committee Member of Thesis Writing Workshop, Universiti Sains Malaysia
February 2007	Thesis Writing Workshop, Universiti Sains Malaysia
August 2005 – August 2007	Committee Member of Association of Civil Engineering Post Graduates and Research Officer (ACEPRO), Universiti Sains Malaysia
May 2007	Committee Member of 4 th International Muslim Staff and Students Mahabbah Gathering Programme 2007 Engineering Campus, Universiti Sains Malaysia
November 2008	Committee Member of Stress Management Workshop, School of Civil Engineering, Engineering Campus, Universiti Sains Malaysia
February 2010	Shimadu DSC Training, Fisher Scientific (M) Sdn. Bhd, School of Civil Engineering, Engineering Campus, Universiti Sains Malaysia
August 2007 – August 2010	Vice President of Association of Civil Engineering Post Graduates and Research Officer (ACEPRO), Universiti Sains Malaysia

March 2011	Vice Director of 2 nd Civil Engineering Colloquium 2011 School of Civil Engineering, Universiti Sains Malaysia
February 2016	Committee Member 10 th International Conference of Geotechnical and Transportation Engineering Faculty of Civil Engineering, Universiti Teknologi Malaysia
October 2015	Technical Committee 4 th International Conference on Civil Engineering and Urban Planning (Beijing, China)
September 2016	Technical Committee 5 th International Conference on Engineering and Innovative Materials (Kuala Lumpur, Malaysia)
December 2016	Editorial Board International Symposium on Civil and Environmental Engineering Faculty of Civil and Environmental Engineering, UTHM
May 2017	Technical Committee 2 nd International Conference on Energy Materials and Applications (Hiroshima, Japan)
May 2017	Technical Committee 2 nd International Conference on Civil Engineering and Materials Science (Seoul, South of Korea)
November 2017	Technical Committee International Conference on Civil and Environmental Engineering (CENVIRON), Penang, Malaysia
January 2018	Technical Committee 5 th International Conference on Geological and Civil Engineering (Phuket, Thailand)
May 2018	Technical Committee 3 rd International Conference on Energy Materials and Applications (University of Salamanca, Spain)
September 2018	Technical Committee 7 th International Conference on Engineering and Innovative Materials (Kitakyushu, Japan)
September 2018	Technical Committee 3 rd International Conference on Functional Materials and Steel (Kitakyushu, Japan)
June 2018	Technical Committee International Workshop on Materials, Chemistry and Engineering (Xiamen, China)
August 2018	Chief Editorial 2 nd National Colloquium on Wind & Earthquake Engineering
July 2019	Technical Committee International conference on Future Environment Pollution and Prevention (Beijing, China)
April 2019	Organizing Committees 5 th International Conference on Energy Materials and Environment Engineering (Kuala Lumpur, Malaysia)
March 2019	Technical Committee 1 st International Symposium on Nano technology and Smart materials for Environmental Applications (Jeju Island, Korea)
February 2019	Technical Committee 4 th International Conference on Advances in Materials, Mechatronics and Civil Engineering (Shenzhen, China)
July 2019	Chief Editorial 3 rd National Colloquium on Wind & Earthquake Engineering and International Seminar on Sustainable Construction Engineering

November 2019	Steering Committee Nanotech Middle East Conference and Exhibition
December 2019	Technical Committee 11 th Malaysian Technical Universities Conference on Engineering and Technology (Kuantan, Malaysia)
August 2019	Chairperson International Conference on Agricultural Technology, Engineering, and Environmental Sciences (Banda Aceh, Indonesia)
June 2020	Organizing Committee International Conference and Expo On Urban And Civil Engineering (Montreal, Canada)
March 2020	6 th GoGreen Summit & Awareness on Climate Change (Bali, Indonesia)
September 2020	Moderator 2 nd International Conference on Agricultural Technology and Engineering, and Environmental Sciences (Banda Aceh, Indonesia)
October 2020	Chief Editor 4 th National Colloquium on Wind & Earthquake Engineering and International Seminar on Sustainable Construction Engineering
May 2021	Technical Committee 4 th International Conference on Nanomaterials, Materials and Manufacturing Engineering (Shanghai, China)

Journal Editorial Board		
Year	Journal	Organization
2013	Journal of Structural Engineering and Management	STM Publication, India
2014	International Journal of Science and Engineering Technology	Center for Global Research Development, USA
2014	Jurnal Teknologi (Science and Engineering)	Universiti Teknologi Malaysia
2018	International Journal of Advanced Research in Civil & Structural Engineering	Advanced Research Publications, India
2018	Environment and Social Psychology	WHIOCE Publishing, Singapore
2018	The Asian Review of Civil Engineering	The Research Publication, India
2018	Archives of Architecture and Civil Engineering	Gavin Publishers, USA
2019	Express Nano Letters Journal	Procedia Corporation, Iran
2019	IOP Conference Series: Earth and Environmental Science	IOP Publishing
2019	The Open Civil Engineering Journal	Bentham Open
2020	Frontiers in Materials	Frontiers Media S.A.
2021	Construction	Penerbit UMP
2021	Journal of Traffic and Transportation Engineering (English Edition)	Elsevier BV

Journal Reviewer		
Year	Journal Designation	Institution
2009 - present	ACI Materials Journal	American Concrete Institute
2012 - present	Construction and Building Materials	Elsevier BV
2012 - present	Jurnal Teknologi	Universiti Teknologi Malaysia
2013 - present	Engineering Science and Technology: an International Journal	Elsevier BV
2013 - present	African Journal of Agricultural Research	Academic Journals
2014 - present	Frontiers of Structural and Civil Engineering	Elsevier BV
2015 - present	Journal of Fundamental and Applied Sciences	Universiti Teknologi Malaysia
2015 - present	Advance in Cement Research	Thomson Reuters
2016 - present	Ambiente Construído (Brazil)	Associação Nacional de Tecnologia do Ambiente Construído
2016 - present	Advances in Materials Science and Engineering	Hindawi Publishing Corporation
2016 - present	International Journal of Pavement Engineering	Thomson Reuters
2016 - present	World Journal of Engineering	Thomson Reuters
2016 - present	International Journal of Technology	Faculty of Engineering Universitas Indonesia
2017 - present	Materials Sciences and Applications	Scientific Research Publishing
2017 - present	The Open Civil Engineering Journal	Bentham Open Publishing
2017 - present	Ingegneria Sismica	Politecnico di Milano, Italy
2017 - present	Periodica Polytechnica Civil Engineering	Budapest University of Technology and Economics
2017 - present	Journal of Engineering Science & Technology	School of Engineering Taylor's University
2017 - present	FONDECYT International Grant Assessor (Santiago, Chile)	Comisión Nacional de Investigación Científica y Tecnológica
2018 - present	Open Journal of Civil Engineering	Scientific Research Publishing
2018 - present	WEAR	Elsevier BV
2018 - present	Journal of Structural Fire Engineering	Emerald Publishing
2018 - present	Journal of Cleaner Production	Elsevier BV
2018 - present	Resources, Conservation & Recycling	Elsevier BV

2018 - present	International Journal of Pavement Research and Technology	Elsevier BV
2018 - present	Journal of Traffic and Transportation Engineering	Elsevier BV
2018 - present	Advances in Mechanical Engineering	SAGE Publications Ltd.
2018 - present	Engineering	Elsevier BV
2018 - present	Journal of Computational Design and Engineering	Elsevier BV
2018 - present	Science of the Total Environment	Elsevier BV
2018 - present	Case Studies in Construction Materials	Elsevier BV
2019 - present	Advances in Natural Sciences: Nanoscience and Nanotechnology	IOP Publishing & Vietnam Academy of Science and Technology
2019 - present	Waste Management	Elsevier BV
2019 - present	Hazardous Materials	Elsevier BV
2019 - present	Advances in Civil Engineering Materials	ASTM International
2019 - present	Developments in the Built Environment	Elsevier BV
2019 - present	Colloids and Surfaces A: Physicochemical and Engineering Aspects	Elsevier BV
2019 - present	Journal of Sustainability Science and Management	Universiti Malaysia Terengganu
2019 - present	Journal of Alloys and Compounds	Elsevier BV
2020 - present	Innovative Infrastructure Solutions	Springer Nature
2021	Ain Shams Engineering Journal	Elsevier BV

Keynote Speaker (National)		
Year	Designation	Organization
2012	Microstructure Analysis Short Courses for Materials	Universiti Teknologi Malaysia
2013	Writing ISI Journal: Workshop	Universiti Tenaga Nasional
2013	Advanced Microstructure Analysis Short Courses for Materials	Universiti Teknologi Malaysia
2013	Statistical Software of MINITAB	Universiti Teknologi Malaysia
2014	Statistical Analysis on Advanced MINITAB	Universiti Teknologi Malaysia
2014	Advanced Microstructure Analysis Short Courses for Fourier Transform Infrared Spectroscopy	Universiti Teknologi Malaysia
2014	Colloquium: Microstructure Performance for Materials in Civil Engineering	Universiti Teknologi Malaysia

2017	From Research to Journal: Workshop	Universiti Teknologi Malaysia
2018	Workshop on Concrete Durability, Assessment and Repair Techniques	Universiti Sains Malaysia
2020	Knowledge Sharing: Transform Your Research to Journal	Universiti Malaysia Perlis
2021	Knowledge Sharing: Let's Write Journal	Universiti Teknologi MARA

Keynote Speaker (International)

Year	Designation	Organization
2017	Agricultural Waste Innovations: International Public Lecturer	Syiah Kuala University
2018	Civil Engineering Stadium General	Ibn Khaldun Bogor University
2019	Innovations in Engineering: International Public Lecturer	Universitas Muhammadiyah Aceh
2019	Innovations in Engineering: International Public Lecturer	Lhokseumawe State Polytechnic, Aceh
2019	Super Journal: International Workshop	Syiah Kuala University, Aceh
2019	Stadium General "How to Write a Scientific Article"	State Islamic University Ar-Raniry, Aceh
2019	Speaker "International Conference on Agricultural Technology, Engineering, and Environmental Sciences (ICATES) 2019"	Syiah Kuala University, Aceh
2020	5 th International World Conference On Civil Engineering, Project Management, Digital Construction, Construction, Science, Applied Science and Sustainability	Narotama University, Indonesia
2021	6 th International World Conference On Civil Engineering, Project Management, Digital Construction, Construction, Science, Applied Science and Sustainability	Narotama University, Indonesia

Intellectual Property (IP) Protection

Reference No.	Title	Publisher
IP/CR/2016/1183	Teaching Material for INTRODUCTION TO HIGHWAY ENGINEERING	UTM Innovation and Commercialisation Centre
IP/CR/2016/1191	Teaching Material for HIGHWAY MATERIALS Part 2 : Compaction and CBR	UTM Innovation and Commercialisation Centre
IP/CR/2016/1195	Teaching Material for HIGHWAY MATERIALS Part 3 : Aggregate	UTM Innovation and Commercialisation Centre
IP/CR/2016/1196	Teaching Material for PAVEMENT CONSTRUCTION	UTM Innovation and Commercialisation Centre
IP/CR/2016/1197	Teaching Material for HIGHWAY MATERIALS Part 4 : Bitumen	UTM Innovation and Commercialisation Centre
IP/CR/2016/1198	Teaching Material for FIELD DENSITY TEST	UTM Innovation and Commercialisation Centre

IP/CR/2016/1199	Teaching Material for AGGREGATE BLENDING	UTM Innovation and Commercialisation Centre
IP/CR/2016/1200	Teaching Material for STRUCTURAL DESIGN OF FLEXIBLE PAVEMENT	UTM Innovation and Commercialisation Centre
IP/CR/2016/1201	Teaching Material for MARSHALL MIX DESIGN	UTM Innovation and Commercialisation Centre
IP/CR/2016/1202	Teaching Material for PAVEMENT THICKNESS DESIGN	UTM Innovation and Commercialisation Centre
IP/CR/2016/1203	Teaching Material for HIGHWAY DRAINAGE AND MAINTENANCE - Part 1	UTM Innovation and Commercialisation Centre
IP/CR/2016/1204	Teaching Material for HIGHWAY DRAINAGE AND MAINTENANCE - Part 2	UTM Innovation and Commercialisation Centre
IP/CR/2016/0488	Massive Open Online Courseware MOOCs Questionnaire for Student Survey	UTM Innovation and Commercialisation Centre
IP/CR/2016/0245	Abstract book 10 th International Geotechnical & Transportation Research Conference	UTM Innovation and Commercialisation Centre
IP/CR/2017/0270	Slide Pengajaran Dan Pembelajaran Asphalt Modification	UTM Innovation and Commercialisation Centre
IP/CR/2019/0200	MOOC - Research Methodology for Engineering	UTM Innovation and Commercialisation Centre
LY2019002398	Blending Process For Cup Lump Modified Asphalt Binder	UTM Innovation and Commercialisation Centre
LY 2018003883	STUDED CONCRETE BLOCK PAVER	UTM Innovation and Commercialisation Centre

Publications

A. THESIS

1. **Ramadhansyah Putra Jaya.** *Geometric Design of Jantho-Lamno Road from STA 4⁺⁵⁰⁰ to STA 5⁺²⁵⁰ Aceh Besar Regency.* Final Year Project, Civil Engineering Department, Syiah Kuala University. August 2002.
2. **Ramadhansyah Putra Jaya.** *Effects of Geometrically Cubical Aggregates and Ageing on the Engineering Properties of Asphaltic Concrete ACW14.* Thesis Master of Science of Engineering, School of Civil Engineering, Universiti Sains Malaysia. August 2008.
3. **Ramadhansyah Putra Jaya.** *Properties of Concrete Containing Rice Husk Ash Under Aggressive Environment Subjected to Wetting and Drying.* Thesis Doctor of Philosophy of Engineering, School of Civil Engineering, Universiti Sains Malaysia. November 2011.

B. CHAPTER IN BOOK

1. **Ramadhansyah Putra Jaya et al.** *Influence of sulfate attack on elasticity of fired clay brick masonry wall.* Advances and Trends in Structural Engineering, Mechanics and Computation. Taylor & Francis Group, London. 2010, Pp. 1001-1004, ISBN: 978-0-415-58472-2.
2. **Ramadhansyah Putra Jaya et al.** 1st Edition, *Construction Management, Geotechnics and Transportation.* Faculty of Civil Engineering, UTM. 2016, Volume 2, Pp. 305-315, ISBN 978-967-0194-74-5.
3. **Ramadhansyah Putra Jaya et al.** 2nd Edition, *Construction Management, Geotechnics and Transportation.* Faculty of Civil Engineering, UTM. 2017, Volume 2, Pp. 215-232, ISBN 978-967-978-967-2171-05-8.

4. **Ramadhansyah Putra Jaya et al.** *Handbook of Research on Resource Management for Pollution and Waste Treatment*, IGI Global Publisher, 2020, Pp. 1-21, ISBN 2326-9162.
5. **Ramadhansyah Putra Jaya et al.** *Lecture Notes in Civil Engineering*. Springer Nature Switzerland, 2019, Pp. 933-942, E-ISBN 978-3-030-32816-0.
6. **Ramadhansyah Putra Jaya.** *New Materials in Civil Engineering*. Elsevier Inc., 2020, Pp. 493-523, ISBN 978-0-12-818961-0.
7. **Ramadhansyah Putra Jaya.** *GREEN Infrastructure: Materials and Techniques*. Universiti Malaysia Perlis, 2020, Pp. 49-76, ISBN 978- 967- 0922-90-4.

C. BOOK

1. Norhidayah Abdul Hassan and **Ramadhansyah Putra Jaya.** *Materials for Road Construction*. First Edition, Penerbit UTM Press, Malaysia. 2017, Pp. 1-83, ISBN: 978-983-52-1484-4.
2. Sri Wiwoho Mudjanarko., Nawir Rasidi., Koespiadi., Mohd Haziman Wan Ibrahim., Mohd Irwan Juki., **Ramadhansyah Putra Jaya.** *Fondasi Pracetak Trapesium Jilid 2*. Scopindo Media Pustaka.

D. TECHNICAL REPORT

Year	Project	Collaborators
July 2016 – April 2017	Penyediaan Pangkalan Data Dan Pengurusan Kemudahan Ruang Parkir Di Pusat Bandar Johor Bahru, Batu Pahat Dan Muar	Pejabat Daerah Mersing Jabatan Kerja Raya Infra Desa Johor (IDJ) Sdn. Bhd. Segamat Premix Sdn. Bhd.
July 2016 – April 2017	Penilaian Semula Rekebentuk Turapan Jalan Luar Bandar	Pejabat Daerah Mersing Jabatan Kerja Raya Infra Desa Johor (IDJ) Sdn. Bhd. Segamat Premix Sdn. Bhd.
January 2017 – November 2017	Penilaian Fasilitas Terminal Pengangkutan Awam Larkin Sentral Dan JB Sentral	Perbadanan Pengangkutan Awam Johor (PAJ)
January 2017 – November 2017	Impak Kenderaan Perdagangan Terhadap Aliran Lalu Lintas Di Atas Jalan Utama Di Daerah Johor Bahru Dan Kulai	Perbadanan Pengangkutan Awam Johor (PAJ)

E. JOURNAL

Cumulative Impact Factor (Web of Science)		
Year	Journals	IF
2021	Zaid Hazim Al-Saffar., Haryati Y., Mohd Khairul Idham M.S., Ramadhansyah P.J. , Che Ros I., Azman M., Kabiru U.R. <i>Physical, Rheological and Chemical Features of Recycled Asphalt Embraced with a Hybrid Rejuvenating Agent</i> . International Journal of Pavement Engineering, In-Press .	2.646
2021	Mohd Zul Hanif M., Norhidayah A.H., Mohd Rosli H., Che Ros I., Ramadhansyah P.J. , Muhammad Naquiddin M.W., Haryati Y., Nordiana M. <i>Characterisation of Microstructural and Sound Absorption Properties of Porous Asphalt Subjected to Progressive Clogging</i> . Construction and Building Materials, Volume 283, Pp. 1-12.	4.419
2021	Nurliyana A., Mohd Mustafa Al B.A., Przemysław P., Shayfull Zamree A.R., Mohd	3.057

	Remy Rozainy M.A.Z., Ramadhansyah P.J. , Agata S., Mohd Firdaus O., Jerzy J. W., Katarzyna B., Marcin N. <i>Effect of Aluminium Powder on Kaolin-Based Geopolymer Characteristic and Removal of Cu²⁺</i> . Materials, Volume 14(814), Pp. 1-19.	
2021	Zaid Hazim Al-Saffar., Haryati Y., Mohd Khairul Idham M.S., Ramadhansyah P.J. Impacts of Maltene on the Wettability and Adhesion Properties of Rejuvenated Asphalt Binder. Arabian Journal for Science and Engineering, In-Press.	1.711
2020	Sharvin P., Mohd Rosli M.H., Ramadhansyah P.J. <i>Impacts of Recycled Crumb Rubber Powder and Natural Rubber Latex on the Modified Asphalt Rheological Behaviour, Bonding, and Resistance to Shear</i> . Construction and Building Materials, Volume 234, Pp. 1-19.	4.046
2020	Chong B.W., Rokiah O., Ramadhansyah P.J. , Doh S.I., Xiaofeng Li. <i>Properties of concrete with eggshell powder: A review</i> . Physics and Chemistry of the Earth, Parts A/B/C, In-Press.	2.308
2020	Azahar N.M., Hassan N.A., Ramadhansyah P.J. , Hainin M.R., Yusoff N.I.M., Kamaruddin N.H.M., Yunus N.Z.M., Hassan S.A.H., Yaacob H. <i>Properties of Cup Lump Rubber Modified Asphalt Binder</i> . Road Materials and Pavement Design, In-Press.	2.582
2020	Zaid H. Al-Saffar., Haryati Y., Mohd Khairul Idham M.S., Mhmood K.S., Ramadhansyah P.J. , Choy J.L., Ekarizan S. <i>Evaluating the Chemical and Rheological Attributes of Aged Asphalt: Synergistic Effects of Maltene and Waste Engine Oil Rejuvenators</i> . Arabian Journal for Science and Engineering, In-Press.	1.711
2020	Siti Nur Amiera J., Ramadhansyah P.J. , Norhidayah A.H., Haryati Y., Mohd Zul Hanif M., Zaid H. Al-Saffar. <i>The Influence of Nano Carbon from Coconut Shell Ash as Modifier on the Properties of Bitumen</i> , Road Materials and Pavement Design, In-Press.	2.582
2020	Rokiah O., Khairunisa M., Youventharan D., Mohd Arif S., Ramadhansyah P.J. , Nadiatul Adilah A.A.G., Sajjad A.M. <i>Evaluation of the Sulphate Resistance of Foamed Concrete containing Processed Spent Bleaching Earth</i> . European Journal of Environmental and Civil Engineering, In-Press.	1.832
2020	Zaid H. Al-Saffar., Haryati Y., Mohd Khairul Idham M.S., Mhmood Khleel S., Lai Jau C., Ramadhansyah P.J. <i>A review on Rejuvenating Materials Used with Reclaimed Hot Mix Asphalt</i> . Canadian Journal of Civil Engineering, In-Press.	0.950
2020	Zaid H. Al-Saffar., Haryati Y., Mohd Khairul Idham M.S., Ramadhansyah P.J. The tailored traits of reclaimed asphalt pavement incorporating maltene: performance analyses. International Journal of Pavement Engineering, In-Press.	2.646
2020	Nurul Athma M.S., Norhidayah A.H., Mohd Ezree A., Mohd Rosli H., Nur Izzi Md. Y., Mohd Zul Hanif M., Ramadhansyah P.J. , Muhammad Naquiddin M.W., Mohd Khairul Idham M.S. Influence of Diatomite Filler on Rheological Properties of Porous Asphalt Mastic. International Journal of Pavement Engineering, Volume 21, Issue 4, Pp. 428–436.	2.646
2019	Ahmed A.H., Ramadhansyah P.J. , Haryati Y., Norhidayah A.H., Salam Ridha O.A., Ghasan F.H., Ekarizan S., Mohd Rosli M.H. <i>Physical, Chemical and Morphology Characterisation of Nano Ceramic Powder as Bitumen Modification</i> . International Journal of Pavement Engineering, In-Press.	2.646
2018	Siti Nur Amiera J., Ramadhansyah P.J. , Norhidayah A.H., Haryati Y., Jahangir M., Siti Hasyati D. <i>Effects of Nanocharcoal Coconut-Shell Ash on the Physical and Rheological Properties of Bitumen</i> . Construction and Building Materials, Volume 158, Pp. 1-10.	3.169
2018	Siti Nur Amiera J., Ramadhansyah P.J. , Norhidayah A.H., Haryati Y., Mohd Khairul Idham M.S. <i>Mechanical Performance of Asphalt Mixture Containing Nano-Charcoal Coconut Shell Ash</i> . Construction and Building Materials, Volume 173, Pp. 40-48.	3.169
2017	Abdulwarith I.B.F., Norhidayah A.H., Mohd Zul Hanif M., Jahangir M., Ramadhansyah P.J. , Mohd Rosli H., Haryati Y., Nur Izzi Md. Y. <i>Effects of mixture</i>	3.169

	<i>design variables on rubber-bitumen interaction: properties of dry mixed rubberized asphalt mixture. Materials and Structures/Materiaux et Constructions, Volume 50, Issue 12, Pp. 1-10.</i>	
2017	Wan Nur Aifa W.A., Ramadhansyah P.J. , Mohd Rosli H., Mastura B., Norzita N. Mechanical Performance of Asphaltic Concrete Incorporating Untreated and Treated Waste Cooking Oil. Construction and Building Materials, Volume 150, Pp. 653–663.	3.169
2017	Ahmed A.H., Ramadhansyah P.J. , Norhidayah A.H., Haryati Y., Ghasan F. H., Mohd Haziman W.I. Performance of Nanoceramic Powder on the Chemical and Physical Properties of Bitumen. Construction and Building Materials, Volume 156, Pp. 496–505.	3.169
2017	Farahiyah A.R., Md. Maniruzzaman A.A., Saidur R., Wan Azelee W.A.B., Hainin M.R., Ramadhansyah P.J. , Norhidayah A.H. <i>Pollution to Solution: Capture and Sequestration of Carbon Dioxide (CO₂) and its Utilization as a Renewable Energy Source for a Sustainable Future.</i> Renewable and Sustainable Energy Reviews, Volume 71, Pp. 112–126	8.050
2016	Nur Hafizah A.K., Mohd W.H., Jahangir M., Nur Farhayu A., Mohamed A.I., Han-Seung L., Azman M., Ramadhansyah P.J. <i>Palm Oil Fuel Ash as Potential Green Micro-Filler in Polymer Concrete.</i> Construction and Building Materials, Volume 102, Part 1, Pp. 950–960.	2.421
2016	Wan Nur Aifa W.A., Ramadhansyah P.J. , Mohd Rosli H., Mastura B., Norzita N. Chemical modification of waste cooking oil to improve the physical and rheological properties of asphalt binder. Construction and Building Materials, Volume 126, Pp. 218–226.	2.421
2016	Dewi S.J., Jahangir M., Ramadhansyah P.J. , Badorul Hisham A.B., Norhidayah A.H., Mohd Rosli H. <i>Chloride Penetration of RHA Concrete Under Marine Environment.</i> Proceedings of the Institution of Civil Engineers - Maritime Engineering, Volume 169, Issue 2, Pp. 76-85.	0.281
2015	Hussin M.W., Bhutta M.A.R., Azreen M., Ramadhansyah P.J. , Mirza J. <i>Performance of Blended Ash Geopolymer Concrete at Elevated Temperatures.</i> Materials and Structures/Materiaux et Constructions, Volume 48, Issue 3, Pp. 709-720.	2.453
2015	Haryati Y., Fung-Lung C., Mohd. Rosli H., Ramadhansyah P.J. <i>Curing of Asphalt Emulsified Tack Coat Subjected to Malaysian Weather Conditions.</i> ASCE - Journal of Materials in Civil Engineering, Volume 27, Issue 4, Pp. 1-10.	1.295
2015	Norhidayah A.H., Airey G.D., Nur Izzi Md. Y., Mohd Rosli H., Ramadhansyah P.J. , Mohd Ezree A., Md. Maniruzzaman A.A. (2015). <i>Microstructural Characterisation of Dry Mixed Rubberised Asphalt Mixtures.</i> Construction and Building Materials, Volume 82, Pp. 173–183.	2.421
2014	Ramadhansyah P.J. , Abu Bakar B.H., Megat Johari M.A., Wan Ibrahim M.H., Hainin M.R. <i>Strength and Microstructure Analysis of Concrete Containing Rice Husk Ash under Seawater Attack via Wetting and Drying Cycles.</i> Advances in Cement Research, Volume 26, Issue 3, Pp. 145–154.	0.949
2011	Abu Bakar B.H., Ramadhansyah P.J. , Megat Johari M.A (2011). <i>Effect of Rice Husk Ash Fineness on the Chemical and Physical Properties of Concrete.</i> Magazine of Concrete Research, Volume 63, Issue 5, Pp. 313-320.	1.277
Cumulative Impact Factor		73.195

Indexed Web of Science and Scopus

Year	Description
2020	Mohd Haziman W. Ibrahim., Sajjad Ali M., Sharifah Salwa M. Z., Ramadhansyah P. J. , Dadang S. <i>Influence of Palm Oil Biomass Clinker and Empty Fruit Bunch Fibers on Concrete Properties.</i> IIUM Engineering Journal, Volume 21, Issue 2, Pp. 100 – 110.

2020	Chong Beng W., Rokiah O., Chan Y. Y., Ramadhansyah P. J. , Doh S. I., Sajjad A. M. Properties of mortar with fine eggshell powder as partial cement replacement. <i>Materials Today: Proceedings</i> , In-Press .
2020	R. Othman., K. Muthusamy., P. J. Ramadhansyah. , D. Youventharan., M. A. Sulaiman., A. A. G. Nadiatul Adilah., B. W. Chong. <i>Experimental Study on Flexural Behaviour of Reinforced Foamed Concrete Square Hollow Beam</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-7.
2020	C. K. Lung., M. R. Mohd Hasan., M. O. Hamzah., A. Sani., S. Poovaneshvaran., P. J. Ramadhansyah. <i>Effect of Temperatures and Loading Rates on Direct Shear Strength of Asphaltic Concrete Using Layer-Parallel Direct Shear Test</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-10.
2020	Wan Ibrahim M. H., Hamzah A. F., Jamaluddin N., Mangi S. A., Ramadhansyah P. J. Influence Of Bottom Ash As a Sand Replacement Material on Durability Of Self-Compacting Concrete Exposed to Seawater. <i>Journal of Engineering Science and Technology</i> , Volume 15, Issue 1, Pp. 555 – 571.
2020	R. Othman., K. Muthusamy., P. J. Ramadhansyah. , D. Youventharan., M. A. Sulaiman., A. A. G. Nadiatul Adilah., B. W. Chong. <i>Finite Element Analysis on the Effect of Hollow Section on the Strength of Foamed Concrete Beam</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-6.
2020	R. P. Munirwan., Munirwansyah., Marwan., P. J. Ramadhansyah. , V. Kamchoom. <i>Performance of Coir Fiber Addition for Clay as a Sub-Grade for Pavement Design</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-8.
2020	M. Lutfi., H. Arien., M. Hendrawati., P. J. Ramadhansyah. , N. I. Ramli. <i>Assessment of safety performance level on simple urban residential building: Case study at Bogor city Indonesia</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-7.
2020	A. A. Mohamed., E. J. Wei., P. J. Ramadhansyah. , M. A. Farooqi., M. K. I. M. Satar., N. Mashros. <i>An Investigation on Urban Circle Rail Transit: A Case Study on the Alignment of Mass Rapid Transit 3 (Circle Line)</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-8.
2020	R. P. Munirwan., M. Munirwansyah., K. Jamaluddin., H. Gunawan., A. Z. Mubarak., P. J. Ramadhansyah. , D. Youventharan. <i>Liquefaction Potential Analysis of Reusep Prestress Bridge in Pidie Jaya due to 6.4 Mw Earthquake</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-8.
2020	Z. H. Hussein., H. Yaacob., M. K. Idham., N. A. Hassan., L. J. Choy., P. J. Ramadhansyah. <i>Restoration of Aged Bitumen Properties Using Maltenes</i> . <i>Materials Science and Engineering</i> , Volume 713, Pp. 1-8.
2020	B. Setiawan., T. Saidi., A. Yuliannur., U. Polom., P. J. Ramadhansyah. , M. I. Ali. <i>Ambient Noise Analysis for Characterizing Sub-Surface Dynamic Parameters</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-10.
2020	H. Yunita., N. Al Huda., T. Saidi., A. Yuliannur., B. Setiawan., P. J. Ramadhansyah. , M. I. Ali. <i>Site-Specific Ground Response Analysis at a Site in the Affected Area of the 2016 Pidie Jaya Earthquake</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-10.
2020	P. Z. Razi., N. I. Ramli., M. I. Ali., P. J. Ramadhansyah. <i>Selection of Contractor by Using Analytical Hierarchy Process (AHP)</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-6.
2020	P. Z. Razi., N. I. Ramli., M. I. Ali., P. J. Ramadhansyah. <i>Selection of Method in Construction Industry by using Analytical Hierarchy Process (AHP)</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-8.
2020	A. A. G. Nadiatul Adilah., S. Y. Ayman Mohammed., P. J. Ramadhansyah. , O. Rokiah., M. R. Hainin. <i>The Influence of Steel Slag as Alternative Aggregate in Permeable Concrete Pavement</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-8.
2020	P. Z. Razi., N. I. Ramli., M. I. Ali., P. J. Ramadhansyah. <i>Selection of Best Consultant by using Analytical Hierarchy Process (AHP)</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-9.
2020	P. J. Ramadhansyah. , K. A. Masri., A. H. Norhidayah., M. R. Hainin., M. W. Muhammad Naquiddin., Y. Haryati., M. K. I. M. Satar., A. Juraidah. <i>Nanoparticle in Asphalt Binder: A State-of-The-Art Review</i> . <i>Materials Science and Engineering</i> , Volume 712, Pp. 1-9.
2020	N. E. Jasni., K. A. Masri., P. J. Ramadhansyah. , A. K. Arshad., E. Shaffie., J. Ahmad., A. H. Norhidayah. <i>Mechanical Performance of Stone Mastic Asphalt Incorporating Steel Fiber</i> . <i>Materials</i>

	Science and Engineering, Volume 712, Pp. 1-6.
2020	N. A. M. Radzi., K. A. Masri., P. J. Ramadhansyah. , N. E. Jasni., A. K. Arshad., J. Ahmad., N. Mashros., H. Yaacob. <i>Stability and Resilient Modulus of Porous Asphalt Incorporating Steel Fiber</i> . Materials Science and Engineering, Volume 712, Pp. 1-5.
2020	N. A. N. Md Fauzi., K. A. Masri., P. J. Ramadhansyah. , M. S. Samsudin., A. Ismail., A. K. Arshad., E. Shaffie., A. H. Norhidayah., M. R. Hainin. <i>Volumetric Properties and Resilient Modulus of Stone Mastic Asphalt incorporating Cellulose Fiber</i> . Materials Science and Engineering, Volume 712, Pp. 1-5.
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