



<b>Name</b>	<b>Kristianto Usman, S.T., M.T., Ph.D.</b>		
<b>Post</b>	<b>Civil Engineering Department</b>  Teaching area and designation: Project Management, Analysis of Project Investment, Railway Engineering, Quality Management, Fundamentals of Railway, Implementation and Dissemination Construction Method, Design of Civil Engineering, Cost and Time Management, Risk Management.		
<b>Academic career</b>	<b>Doctorate</b> Railway Engineering Management	University of Birmingham (UoB)	2020
	<b>Magister</b> Construction Engineering and Management	ITB (Bandung Institute of Technology)	2000
	<b>Undergraduate degree</b> Civil Engineering	UNPAR (Parahyangan University)	1996
<b>Employment</b>	<b>Position</b>	<b>Employer</b>	<b>Period</b>
	Lecturer	University of Lampung	2003-Present
<b>Research and development projects over the last 5 years</b>	K4D (Knowledge, Evidence, and Learning for Development) for Rural Road Investment in Sub-Saharan Africa, 2019, Institute of Development Studies, UK; Amount of financing: £5,000		
	K4D (Knowledge, Evidence, and Learning for Development) for Road Safety Research in Pakistan, Nepal, Tanzania, 2019, Institute of Development Studies, UK; Amount of financing: £2,500		

	Implementing Slab Track Monoblock Sleeper System for Indonesian Urban Metro Railway Project Based on Life Cycle Cost Under Uncertainty, 2020, PT. WIKA Beton; Amount of financing: IDR. 20,000,000	
	Assessment of Track Bed Condition at DIVRE III Palembang Railway Line, 2021, Railway Safety Directorate-Directorate General of Railway-Ministry of Transportation, Indonesia; Amount of financing: IDR. 10,000,000	
	Assessment of Track Bed Condition at DIVRE IV Tanjung Karang Railway Line, 2021, Railway Safety Directorate-Directorate General of Railway-Ministry of Transportation, Indonesia; Amount of financing: IDR. 10,000,000	
	Technical and Techno-Economy Feasibility on the Development of Railway Double Track Between Tanjung Karang-Kotabumi, Directorate General of Railway-Ministry of Transportation, Indonesia; Amount of financing: IDR. 10,000,000	
	Case Study on Slope Failure at Tarahan Railway Line and Its Intervention Method	
	Flood Impact Analysis on the Way Gatel Dam, DIPA FT-LPPM Grant; Amount of financing: IDR. 10,000,000	
<b>Industry collaborations over the last 5 years</b>	(1)Project Title: The Development of SHMS (Structural Health Monitoring System) for Railway Infrastructure (2021); Partner: PT WIKA Beton	
	(2)Project Title: Jetty Structural Assessment at Port Panjang Using Forensic Engineering and Asset Management Approach (2022-2023); Partner: PT Graha Survei Indonesia (GSI)	
<b>Patents and proprietary rights</b>	Title: -	Year:-
<b>Important publications over the last 5 years</b>	Author(s):	
	<ol style="list-style-type: none"> <li>1. Zhafira, AU., Sulistyorini, R., <b>Usman, K.</b> (2022). Analisis Characteristics of Passenger in Election of Executive Ship Transportation Mode (Case Study: Bakauheni-Merak Port). <i>Journal of Engineering and Scientific Research</i>, 4 (1), 34-39</li> <li>2. <b>Usman, K.</b>, Peter Nicholas Burrow, M., G Singh Ghataora, Sasidharan, M. (2021). Using Probabilistic Fault Tree Analysis and Monte Carlo Simulation to Examine the Likelihood of Risks Associated with Ballasted Railway Drainage Failure. <i>Transportation Research Record</i>, 2675 (6), 70-89</li> <li>3. <b>Usman, K.</b>, Ravianda, Y., Pramudita, H., Adrianto, R. (2020). Implementing Slab Track Monoblock Sleeper System for Indonesian Urban Metro Railway Project Based on Life Cycle Cost under Uncertainty. <i>IOP Conference Series: Earth and Environmental Science</i>, 592 (1), 012007</li> </ol>	

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4. Hine, J., Sasidharan, M., Torbaghan, ME., Peter Nicholas Burrow, M., **Usman, K.** (2019). Evidence on Impact of Rural Roads on Poverty and Economic Development. *DFID*
  5. Torbaghan, ME., Sasidharan, M., Peter Nicholas Burrow, M., **Usman, K.** (2019). Lessons from Road Safety Research and Policy Engagement in Pakistan, Nepal, Tanzania.
  6. Sasidharan, M., **Usman, K.**, Ngezahayo, E., Peter Nicholas Burrow, M. (2019). Evidence on Impact Evaluation of Road Transport Networks using Network Theory. *IDS*
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<b>Activities in specialist bodies over the last 5 years</b>	<b>Organisation</b>	<b>Role</b>	<b>Period</b>
	The Permanent Way Institution (PWI); The Institution for Rail Infrastructure Engineering, UK	Member	2015-Present
	Institution of Railway Signal Engineers (IRSE) – Indonesian Chapter; Division Head of Education, Training and Certification	Member	2021-Present

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