



UNIVERSITAS INDONESIA
 Faculty of Mathematics and Natural Sciences
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STAFF HANDBOOK

Name	Rahmi Rusin		
Expertise	Nonlinear waves, Dynamical Systems,		
Academic career		Institution	Year
	Undergraduate degree	University of Indonesia	1996 – 2000
	Master degree	University of New South Wales	2002 – 2003
	Doctoral degree	University of Essex	2015 – 2020
	Post-doctoral		
Employment	Position	Employer	Period
	Lecturer	UI	2008 – 2010
	Assistant Professor	UI	2010 – now
Research and development projects over the last 5 years	-		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	Title	Year	
Important publications over the last 5 years	<ol style="list-style-type: none"> 1. R. Rusin, Kusdiantara, and H. Susanto. Variational approximations using Gaussian ansatz, false instability, and its remedy in nonlinear Schrödinger lattices. <i>Journal of Physics A: Mathematical and Theoretical</i> 51 (47), 475202 (2018) 2. R. Rusin, R. Kusdiantara, and H. Susanto. Variational approximations of soliton dynamics in the Ablowitz-Musslimani nonlinear Schrödinger equation. <i>Physics Letters A</i> 383 (17), 2039-2045 (2019) 3. R. Rusin and H. Susanto. Rayleigh-Ritz approximation for the stability of localised waves. <i>AIP Conference Proceedings</i> 2192, 060016 (2019) 4. R. Rusin, Marangell, R. & Susanto, H. Symmetry breaking bifurcations in the NLS equation with an asymmetric delta potential. <i>Nonlinear Dyn</i> 100, 3815-3824 (2020). 5. R. Rusin and H. Susanto. Dynamics of nonlinear Schrödinger equations with Delta potential on star graphs. Submitted 		
Scholar UI ID	https://scholar.ui.ac.id/en/persons/rahmi-rusin		
Activities in specialist bodies over the last 5 years	Organization	Role	Period
	The Indonesian Mathematical Society	Member	2016 – now