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STAFF HANDBOOK

Name	Imam Solekhudin, Ph.D.		
Post	Numerical Method (Boundary Element Method)		
Academic Career		Institution	Year
	Initial Academic Appointment	Universitas Gadjah Mada	2000
	Post Doctoral	-	-
	Doctoral Degree	Nanyang Technological University, Singapore	2013
	Master Degree	Universitas Gadjah Mada, Indonesia	2004
	Undergraduate Degree	Universitas Gadjah Mada, Indonesia	1999
Employment		Employer	Period
	Prospective Employee	Universitas Gadjah Mada	01-12-2002 – 26-10-2004
	Instructor	Universitas Gadjah Mada	01-11-2004 – 21-02-2006
	Assistant Professor	Universitas Gadjah Mada	01-03-2006 – present
	Associate Professor		
	Full Professor		
Research and development projects over the last 5 years	Name Project : Numerical Methods for Infiltration from Periodic Irrigation Channels with Absorption by Plant Roots Period : 2016 – 2018 Amount of Financing : IDR. 600,000,000		
	Name Project : LTDRM dan Skema Prediktor_Korektor Untuk Menyelesaikan Masalah Infiltrasi Time-Dependent dari saluran-saluran Irigasi Periodik dengan Root-Water UPTAKE Berbeda-beda Period : 2017 (Faculty of Mathematics and Natural Sciences Universitas Gadjah Mada Research Project) Amount of Financing : IDR. 15,000,000		
	Name Project : Metode-metode numerik untuk menyelesaikan masalah infiltrasi dari saluran irigasi disertai dengan penyerapan air oleh tanaman Period : 2016 (Hibah Penelitian Unggulan Perguruan Tinggi)		

	Amount of Financing : IDR. 155,000,000	
	Name Project : Laplace Transform Dual Reciprocity Method dan Skema Prediktor-Korektor Untuk Menyelesaikan Masalah Infiltrasi Time Dependent Dari Saluran-Saluran Irigasi Periodik Dengan Root-Water Liptake Period : 2016 (Faculty of Mathematics and Natural Sciences Universitas Gadjah Mada Research Project). Amount of Financing : IDR. 15,000,000	
Industry collaborations over the last 5 years	Project title :	
	Partners:	
Patents and proprietary rights	Title	Year
Important publications over the last 5 years	Selected recent publications form a total of approx.: 11	
	Imam Solekhu din, Suction Potential and Water Absorption From Periodic Channels in A Homogeneous Soil with Different Root Uptakes, <i>Advance and Application in Fluid Mechanics 2017</i> , (2017).	
	Imam Solekhu din, Water Infiltration From Periodic Trapezoidal Channels ith (Different Types of Root-Water), <i>Far East Journal of Mathematical Sciences</i> , Vol. 100, No 12, 2016, 2029-2040.	
	Imam Solekhu din, Keng-Cheng Ang, A Laplace transorm DRBEM with a predictor-corrector scheme for time-dependent infiltration from periodic channels with root-water uptake, <i>Engineering Analysis with Boundary Elements</i> , 50 (2015) 141-147 (Elsevier).	
	Imam Solekhu din, A Numerical Method for Water Absorption by Plant Roots, 1 st ISIM-MED conference proceedings, CP-111 – CP-118 (2015).	
	Imam Solekhu din, Metode Elemen Batas untuk Menyelesaikan Masalah Perpindahan Panas (A Boundary Element Method for Heat Conduction), <i>Proceedings of KNM XII</i> (2014).	
	Imam Solekhu din, Keng-Cheng Ang, A Dual Reciprocity Boundary Element Method for Steady Infiltration Problems, <i>Australia and New Zealand Industrial and Applied Mathematics Journal</i> , 53 (2013) 171 – 180 (Cambridge University Press).	
Imam Solekhu din, Keng-Cheng Ang, A DRBEM for time-dependent infiltration from periodic irrigation channels in a homogeneous soil, <i>Electronic Journal of Boundary Elements</i> , 11 (2013) 1 – 12.		
Imam Solekhu din, Keng-Cheng Ang, A DRBEM with a predictor-corrector scheme for steady infiltration from periodic channels with root-water uptake, <i>Engineering Analysis with Boundary Elements</i> , 36 (2012) 1199-1204 (Elsevier).		

	<p>Imam Solekhudin, Keng-Cheng Ang, Suction potential and Water Absorption from periodic channels in different types of homogeneous soils, <i>Electronic Journal of Boundary Elements</i>, 10 (2012) 42 – 55.</p> <p>Selected recent publications form a total of approx.: 11</p> <p>Imam Solekhudin, Suction Potential and Water Absorption From Periodic Channels in A Homogeneous Soil with Different Root Uptakes, <i>Advance and Application in Fluid Mechanics 2017</i>, (2017).</p> <p>Imam Solekhudin, Water Infiltration From Periodic Trapezoidal Channels ith (Different Types of Root-Water), <i>Far East Journal of Mathematical Sciences</i>, Vol. 100, No 12, 2016, 2029-2040.</p> <p>Imam Solekhudin, Keng-Cheng Ang, A Laplace transorm DRBEM with a predictor-corrector scheme for time-dependent infiltration from periodic channels with root-water uptake, <i>Engineering Analysis with Boundary Elements</i>, 50 (2015) 141-147 (Elsevier).</p> <p>Imam Solekhudin, A Numerical Method for Water Absorption by Plant Roots, 1st ISIM-MED conference proceedings, CP-111 – CP-118 (2015).</p> <p>Imam Solekhudin, Metode Elemen Batas untuk Menyelesaikan Masalah Perpindahan Panas (A Boundary Element Method for Heat Conduction), <i>Proceedings of KNM XII</i> (2014).</p> <p>Imam Solekhudin, Keng-Cheng Ang, A Dual Reciprocity Boundary Element Method for Steady Infiltration Problems, <i>Australia and New Zealand Industrial and Applied Mathematics Journal</i>, 53 (2013) 171 – 180 (Cambridge University Press).</p> <p>Imam Solekhudin, Keng-Cheng Ang, A DRBEM for time-dependent infiltration from periodic irrigation channels in a homogeneous soil, <i>Electronic Journal of Boundary Elements</i>, 11 (2013) 1 – 12.</p> <p>Imam Solekhudin, Keng-Cheng Ang, A DRBEM with a predictor-corrector scheme for steady infiltration from periodic channels with root-water uptake, <i>Engineering Analysis with Boundary Elements</i>, 36 (2012) 1199-1204 (Elsevier).</p> <p>Imam Solekhudin, Keng-Cheng Ang, Suction potential and Water Absorption from periodic channels in different types of homogeneous soils, <i>Electronic Journal of Boundary Elements</i>, 10 (2012) 42 – 55.</p>		
<p>Activities in specialist bodies over the last 5 years (Membership without a specific role need not be mentioned)</p>	<p>Organization</p>	<p>Role</p>	<p>Period</p>