

**DATA KINERJA PENELITIAN DAN PENGABDIAN KEPADA MASYARAKAT
JURUSAN TEKNIK PENGAIRAN
FAKULTAS TEKNIK**

PENELITIAN

No	Sumber Biaya	2010	2011	2012	Total Judul	Total Dana Penelitian
1	Pembiayaan sendiri oleh peneliti					
2	Pembiayaan oleh UB (DIPA/DPP SPP)	5 judul 40.000.000	5 judul 40.000.000	6 judul 97.000.000	16	177.000.000
3	Pembiayaan oleh Kemdikbud					
4	Pembiayaan oleh institusi di luar kemendikbud					
5	Pembiayaan oleh institusi luar negeri					

Jurnal Internasional

No.	Jurnal Internasional	2010	2011	2012	Total
1	Calibration of Synthetic Unit Hydrograph: Case Study in Brantas Hulu Sub-Watershed, Province East Java, Indonesia	IJAR Volume 2, Issue 5 Sep, 30			28
2	Optimization of Water Needs at Kepanjen Dam and Sengguruh Dam, East Java, Indonesia	IJAR Volume 2. Issue 5 Sep. 30			
3	Application of GIS-Based Spatial Analysis on Developing Infiltration Zone Mapping in Glundeng Watershed, Brantas River Basin, East Java, Indonesia	IJAR Volume 2, Issue 5 Sep, 30			
4	Optimization of Multiplication Sinus Model for Water Irrigation Area of Metro Upstream River, East Java, Indonesia	JMT August 30, 2010			
5	Possible Climate Change Effect on Water Irrigation at Golek Malang Indonesia	JEE August 30, 2010			
6	Analysis of Turbidity Distribution in River Using One Dimensional Sediment Transport Model	JMT August 30, 2010			

7	Changes of Soil Erodibility Due to Wetting and Drying Cycle Repetitions on the Residual Soil	IJAR Volume 2, Issue 5 Sep, 30			
8	Prediction of Eutrophication Risk Caused by N and P Containing Agriculture Waste	IJAR Volume 2, Issue 5 Sep, 30			
9	Sediment Transport in Estuary	IJAR Volume 2, Issue 5 Sep, 30			
10	Appropriate Data for Verification of Sine-Product Model	IJAR Volume 2, Issue 5 Sep, 30			
11	Hydraulic Model of Stepped Spillway IV:1H to Enhance Energy Dissipation	IJAR Volume 2, Issue 5 Sep, 30			
12	Water Conservation Mapping at Kali Sumpil Watershed, East Java, Indonesia	IJAR Volume 2, Issue 5 Sep, 30			
13	Depth and Distribution Analyses of Surface Run off Spatially	IJAR Volume 2, Issue 5 Sep, 30			
14	Pollutant Flow Model on Middle Brantas River	JEE August 30, 2010			
15	Used to PI and STORET Methods to Evaluate of Water Quality Status of Brantas River	JMT August 30, 2010			
16	Discharge Model Based on Water Balance in Upstream Brantas River, Indonesia	JEE August 30, 2010			
17	Planning on Optimization of Hydro Electrical Energy for Yearly Reservoir	IJAR, Volume 2 Issue 5 Sep 30			

18	Discharge Measurer for Irrigation Channel by Modifying Pharshall Flume and Drempel	IJAR, Volume 2 Issue 5 Sep 30			
19	Prediction of Dissolved Iron (Fe) Concentration Using Integrated Hydrodynamic and Water Quality Numerical Model on Barambai Tidal Swamp Reclamation Channel	JMT August 30, 2010			
20	Model of Water Allocation and Water Price at Multi Reservoir River System	IJAR Nov 30 2010			
21	Optimization on Penstock Dimension of Ampel Gading Hydro Electrical Power, Indonesia	IJAR Nov 30, 2010			
22	Optimization of Linear Programming Model For Water Irrigation Area of Jatimlerek, East Java, Indonesia	IJAR Nov 30, 2010			
23	Possible Land Use Change Effect on Drainage System at Opak Watershed, Yogyakarta, Indonesia	IJAR Nov 30 2010			
24	Verification of Discharge Model Based on Water Balance at Cobanrondo Watershed, Indonesia	IJAR Nov 30 2010			
25	The 'Interception-Infiltration Abstraction Method to Develop Spatial Distributed (SIMODAS)	IJAR Nov 30 2010 (proses)			
26	The Using of Zero and Oversize Data for Sine-Product Model	JMT Oct 30 2010			
27	Utilization of sweet-potato distillery wastewater as Growth Stimulating of Lactobacillus saket CY1	IJAR March 30, 2010			
28	Nitrogen Leaching and Hydraulic Conductivity Reduction by Enchanced Growth and Biomass Accumulation of Lactobacillus saket CY1	IJAR March 30, 2010			
29	Upstream Sediment Effect Due to Discharge Measurer		JMT Feb 28, 2011		30

30	Water Supply System at Tibunangka Irrigation Area, Lombok-Indonesia		JMT Feb 28, 2011		
31	Climate Change Effect on Water Balance at Pekalen Watershed, Jawa Timur Province-Indonesia		IJAR March 30, 2011		
32	Design Analysis of Span Well at Tibunangka Irrigation Area, Lombok-Indonesia		JMT Feb 27, 2011		
33	Analysis of Average Rainfall Using Kagan-Rodda		JASR March 18, 2011		
34	Evaluation of Water Price at Wonorejo Dam, Indonesia		JASR March 16, 2011		
35	Estimation of Remaining Usage Age at Sutami Reservoir Using Sediment Analysis		IJAR May 30, 2011		
36	Optimization of Improvement and Management on Sumber Brantas Watershed, East Java, Indonesia		JBASR, Feb 2011		
37	Study of Water Value at Sengguruh Dam, East Java, Indonesia		JBASR, March 2011		
38	Analysis of Surface Water Balance at Marmoyo Sub-Watershed, East Java, Indonesia		JBASR, March 2011		
39	Characteristic of the Hydraulic Jump on Serial Drop		IJAR Jan 2011		
40	Physical Hydraulic Model Investigation of Flow and Energy Dissipation on Smooth and Step Spillway with Steep Slope		IJAR Jan 2011		
41	Influence of Local Site Effects to Landslide Based on Microtremor Measurement (Case Study: Kemuning Lor, Jember Regency)		JBASR Apr 2011		

42	Evaluation of Wastewater Treatment Plant in Mataram General Hospital		JASR Mei 2011		
43	Estimation of Water Value at Selorejo Dam, Indonesia		JASR Mei 2011		
44	The Direction and Pattern of Sediment Distribution to the estuary of Sendang Biru Cost, Malang Regency, Indonesia		JASR Mei 2011		
45	Effect of Land Use Change on Surface Run off at Petung Watershed Pasuruan		JASR Jun 2011		
46	Conservation Based on Erosion Sedimentation Spatially		JASR Jun 2011		
47	Flood Control at Karau Watershed, Center Kalimantan, Indonesia		JASR Jun 2011		
48	Number of Stairs Effect at Stepped Spillway Due to Energy Dissipater		JASR Jun 2011		
49	Analysis of Design Flood Due to Rainfall Station Distribution		JASR Jun 2011		
50	Predicting Annual Rainfall Using Multiple Series Record		JASR Jun 2011		
51	Evaluation of Water Price Due to Sediment Dredging		JASR Jun 2011		
52	Design of Water Distribution Network Using Water Cad Version 4.5.		JBASR Jul 2011		
53	Design of Microhydro Electrical Power at Brang Rea River, Indonesia		J.ATES Aug 2011		
54	Optimization of Electrical Energy at Batutegi Dam, Lampung Province of Indonesia		AR Int Sep 2011		

55	Application of Kagan-Rodda Method and for Rain Station Density in Barito Basin Area of South Kalimantan, Indonesia		JATES Nov 2011		
56	Climate Change Effect to Optimization of Irrigation at Jabung District, Malang, Indonesia		JATES Oct 2011		
57	Residual Energy and Relative Energy Loss on Stepped Spillway		J.ATES Nov 2011		
58	Estimating the Real Crop Water Requirement Using the Sine-Product Model		JASR Dec 2011		
59	Runoff Modelling for Simulating Inundation in Urban Area as a Result of Spatial Development Change			JAEBS Jan 2012	21
60	Cipolletti Was Not Recommended as Discharge Measurer for Research in Laboratory			JAEBS Jan 2012	
61	Reliability Performance of Tambak Pocok Small Dam, Bangkalan of Indonesia			AJSC June 2012	
62	Suitable Synthetic Unit Hydrograph at Upstream Rungun Sub-Watershed, Center Kalimantan of Indonesia			JBASR July 2012	
63	Hydrodynamic Modeling in the Secondary Channel of Irrigation Tidal Unit in South Kalimantan			JAEBS June 2012	
64	Effective Distance on Placing Discharge Measurer Structure of Wide Treshold Type at the Downstream of Sluice Gate (Physical Model Test at Hydraulic Laboratory of Opened Channel)			JBASR Sep 2012	
65	Sedimentation Evaluation at Water Intake Gate of Grati PLTGU Jetty Blockade			IJETAE Dec 2012	

66	Optimum Fresh Water Price at TITAB Reservoir, Bali Province of Indonesia			JBASR July 2012	
67	Experimentation for Verification of Sine-Product Model			JBASR Dec 2012	
68	Empirical Model of River Meandering Geometry Changes due to Discharge Fluctuation			JBASR 2(2): 1027-1033 Feb 2012	
69	Mathematical Modelling of Flow Velocity and Bed Load Transport Along the Estuary of Ranoyopo Amurang River			JBASR 2(5): 4770-4779 May 2012	
70	Optimization of Hydro Electrical Power at Jatigede Dam, West Java of Indonesia			JBASR Sep 2012	
71	Evaluation of Flow Capacity and the Pattern of Water Requirement at Irrigation Area of Lereh, Jayapura Regency of Indonesia			JBASR Aug 2012	
72	Flood Behaviour Analysis Due to Dam Break (<i>Case study in Cengklik Dam, Center Java of Indonesia</i>)			JBASR Aug 2012	
73	Injection Well: One of the Technologies for Decreasing Surface Run-off and Saving Water as the Anticipation of Global Climate Change (Case Study in Penanggungan Village, Malang City, East Java of Indonesia)			JBASR Aug 2012	

74	Management of Flood Control in Sampean Lama-Muara Weir			JBASR Aug 2012	
75	Density of Rainfall Stations in Kahayan Watershed Centre Kalimantan Province of Indonesia			JBASR Aug 2012	
76	Effectiveness of yeast fermentation wastewater as liquid fertilizer and its application method to paddy field			Journal of Water and Waste, Vol.52 No.2 pp 143-150	
77	Exopolysaccharide production from sweet potato shochu distillery wastewater by <i>Lactobacillus Sakei</i>			Biotechnology and biotechnology equipment 2011, 25(2) 2329-2333	
78	Extracellular polysaccharides produced by <i>Lactobacillus Sakei</i> CY1 for binding soil particle.			Journal of Water and Environmental Technology Vol. 9 No.3, 2012	
79	Characterization of polyhydroxyalkanoates (PHAs) biosynthesis by isolated <i>Novosphingobium</i> sp.THA_AIK 7 using crude glycerol			J.Ind.Microbiol Biotechnol (2012) 39:749-758	

BUKU NASIONAL

No.	Buku Tingkat Nasional	2010	2011	2012	Total
1	Metodologi Penelitian	V			16
2	Statistika Hidrologi Dasar	V			
3	Manajemen Air Lanjut	V			
4	Hidrologi TSA 1	V			
5	Hidrologi TSA 2	V			
6	Pengelolaan DAS	V			
7	Hidrologi Teknik Terapan	V			
8	Hidrologi Teknik Dasar	V			
9	Hidrologi Praktis	V			
10	Penelusuran Banjir Melalui Pelimpah dan Terowongan	V			
11	Penelusuran Banjir Lewat Sungai	V			
12	Optimasi Distribusi Air Irigasi dengan Progran Dinamik	V			
13	Konstruksi Bendungan Urugan Volume I	V			
14	Manajemen Air	V			
15	Reklamasi		V		
16	Struktur			V	

PENGABDIAN MASYARAKAT

No	Sumber Biaya	2010	2011	2012	Total Judul	Total Dana Penelitian
1	Pembiayaan sendiri oleh dosen					
2	Pembiayaan oleh UB (DIPA/DPP SPP)	3 judul 32.000.000	3 judul 15.600.000	3 judul 48.000.000	9	95.000.000
3	Pembiayaan oleh Kemdikbud					
4	Pembiayaan oleh institusi di luar kemendikbud					
5	Pembiayaan oleh institusi luar negeri					