

CURRICULUM VITAE

Name : Ir. Mohammad Sholichin, MT. Ph.D
 Designation : Senior Lecturer
 Department : Department of Water Resources Engineering
 Faculty : Faculty of Engineering, University of Brawijaya
 Indonesia

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 INDONESIA



Major Areas of Interest : 1. Water Quality Modeling
 2. Water Resources Management
 3. Land Reclamation
 4. Water Pollution

Academic Qualification

(Qualification), (Institution).

Ph.D . University of Malaya, Kuala Lumpur, MALAYSIA

MSc. Engineering, University of Brawijaya, INDONESIA

BSc. Engineering, University of Brawijaya, INDONESIA

Work Experiences:

1. PT Bita Enacon Engineering Ltd, Bandung (1991-1993)
2. PT Indra Karya Ltd, Jakarta (1994-1997)
3. PT Panca Duta Karya Abadi Ltd, Sorong Papua (1998-1999)

Works experiences:

1. Design of Drainage system at Arutmin North Pulau Laut Coal Terminal Project, East Kalimantan, 1991
2. Design of Drainage System at Master Plan Industrial Estate Project, West Java. 1992.
3. As Supervision of Jimbaran Intercontinental Hotel Project, Bali, 1993.
4. Design of Plumbing System for Water Supply Project, Sorong Papua, 1993
5. As Supervision of Water Treatment Plant Construction for Water Supply Project in Sorong, 1993, joint corporation with Scott & Murphy Ltd, Australia 1993-1994.
6. Supervision of Steel Tank (Shorten Cross) Construction for Water Supply project in Sorong Irian Jaya, joint corporation with Scott & Murphy Ltd, Australia, 1994
7. Construction Project of PDAM office, 3d floor at Sorong, Irian Jaya, 1995
8. Construction Project of DIKLAT Building at Sorong Irian Jaya, 1995

9. Small Dam Project and Irrigation Channel System at Klamalu Village Sorong Irian Jaya, 1996
10. Project Supervision of BPD Bank Office, 4th Floor in, Sorong, Irian Jaya, 1997.
11. Review Design and Evaluation of Irrigation System in Mrican & Irrigation Area, Kediri, East Java, 1998
12. Survey Suspended and Bad Load of Brantas River, East Java, 1999.
13. Social Assessment for Preparation Design of Genteng Dam (part-1), Malang, East Java, 2000
14. Social Assessment for Preparation Design of Genteng Dam (part-2), Malang, East Java, 2001
15. Survey Study and Inventory of Water Resources Potential in Kangean Island-Madura-East Java, 2002
16. Detail Design of Maranata Small Pond Project Sumenep, Madura Island, East Java, 2003
17. Public Consultation Meeting for Design Preparation of Beng Dam Jombang East Java, 2004
18. Detail Design of Irrigation System in Banyuwangi, East Java, 2005
19. Survey Study and Inventory of Water Resources Potential in East Java, 2006
20. Study of Water Potential on Sumenep Regency and Small Island. Madura, 2006
21. Survey Water Quality and Cross Section on Brantas River Basin, East Java, 2007.
22. Hydraulic Analysis for Pahang-Selangor Raw Water Transfer Project Hydraulic Model Testing For Kelau Dam Spillway, Malaysia2008
23. Design of Drainage System for Thermal Project in Alor Island, East Timor, 2009
24. Groundwater Vulnerability Assessment Using Remote Sensing and GIS on Melaka District Malaysia. (Research Grant no. RG 092/10USUS), 2010
25. Pahang-Selangor Raw Water Transfer Project, Hydraulic Model Testing for Kelau Dam Spillway. TEPSCO in association with SMEC and SMHB also University of Malaya, 2011.

Publications:

A. Journal

1. Faridah Othman and M Sholichin “Predicting Impact of Fertilizer Usage on Water Quality, Sutami Reservoir, Indonesia”. “Journal of Environmental Hydrology”, Volume 16- June, 2008 (*Scopus-Cited Publication*)
2. Faridah Othman and Mohammad Sholichin , “Assessment of Spatial Distribution Nutrient Load in the Brantas River Basin, Indonesia Using SWAT Model” (*submitted on Journal of Contaminant Hydrology-ISI Journal*)
3. Mohammad Sholichin, Faridah Othman, Lily Montarcih Limantara, Use of PI and STORET Methods to Evaluate Water Quality Status of Brantas River. “Journal of Mathematics and Technology, ISSN: 2078-0257, No.3, August, 2010 (*Non ISI-Published*).
4. M Sholichin and Shatirah Akib, 2010, Development of drop number performance for estimate hydraulic jump on vertical and sloped drop structure, International Journal of the Physical Sciences, Vol. 5(11), pp. 1678 1687 (*ISI-Cited Publication*)

5. M Sholichin and Faridah Othman, "Using the SWAT Model for Nutrient Load Assessment on the Brantas River Basin" (*Under review on International journal of physical science*)
6. Shatirah Akib and M Sholichin, "An Investigation of Groundwater Contamination from Solid Waste Landfill: Case Study in Malang City, Indonesia, (*Accepted to International journal of physical science*)
7. SM Shirazi, Mohammed Jameel, Shatirah Akib, M Sholichin and Md Mokter Azizi. (2010). Effects of Different Irrigation Regimes and Nitrogenous Fertilizer on Yield and Growth Parameters of Maize. *Journal of Environmental Protection and Ecology*, (Under review). ISI Cited Publication. (*ISI-Cited Publication*)
8. SM Shirazi, Z Ismail, Shatirah Akib, M Sholichin and Md MA Islam. (2010). Probability Analysis of Rainfall and Net Irrigation Requirement of Crops. *Disaster Advances* (Under review). ISI Cited publication. (*ISI-Cited Publication*)
9. M Sholichin, Faridah Othman, S.M.Shirazi, Shatirah Akib, Donny Harisuseno, Dian Sisinggih. Applied AVSWAT 2000 for Assessment of Pollutant Load in BrantasRiver Basin, Indonesia. *Advanced Materials Research Vols. 250-253* (2011) pp 3945-3948. (*ISI-Cited Publication*)
10. S.M. Shirazi, Imran Hosen, M Sholichin, Shatirah Akib. Investigation of Groundwater Potential in Melaka District of Malaysia. *Advanced Materials Research Vols. 243-249* (2011) pp 4553-4556. (*ISI-Cited Publication*)
11. Shatirah Akib, Faridah Othman, M Sholichin Moatasem M. Fayyadh1,d ,S.M. Shirazi, Budhi Primasari1. Influence of Flow Shallowness on Scour Depth at Semi-Integral Bridge Piers. *Advanced Materials Research Vols. 243-249* (2011) pp 4478-4481. (*ISI-Cited Publication*)
12. Moh Sholichin, Field Investigation of Groundwater Contamination from Solid Waste Landfill in Malang Indonesia. *International journal of Civil & Environmental Engineering, IJCEE-IJENS Vol: 12 No: 02, 126702-3535 IJCEE-IJENS © April 2012 IJENS*

B. International Conference/Seminar/Symposium

1. M Sholichin and Faridah Othman, "Application of Surface-water Modelling System (SMS) on River Stream: A case Study in Brantas River". 4th National Technical Postgraduate Symposium & Workshop (TECHPOST06) 16 – 17 May 2006, Crystal Crown Hotel, Petaling Jaya, Selangor, Malaysia
2. M Sholichin, Faridah Othman and Shatirah Akib, "Evaluating and Estimating the Effect of Land Used Changed On Water Quality at Selorejo Reservoir", Proceedings of the 30th Hydrology & Water Resources Symposium. 4-7 Dec 2006, Launceston, Tasmania, Australia
3. Shatirah Akib, Faridah Othman, Ismail Othman, Shu Lee Ngang, and M Sholichin, "Two Dimensional Contour Plots for Integral Bridge Scour", Proceedings the 30th Hydrology & Water Resources Symposium, 4 – 7 December 2006, Launceston Tasmania, Australia
4. M Sholichin, Faridah Othman and Shatirah Akib, "Assessment of Runoff, Sediment Yield and Nutrient Load on Watershed Using Watershed Modelling", International Seminar on River And Development, 25 – 27 April 2007, Bali, Indonesia

5. M Sholichin, Faridah Othman and Shatirah Akib, "Preliminary Study of Total Maximum Daily Load (TMDL) of Sediment and Nutrient at Lesti River Basin-Indonesia", 8th APRU Doctoral Students Conference" July 30th – August 3rd, 2007, Keio University, Tokyo
6. Shatirah Akib, Faridah Othman, Ismail Othman, and M Sholichin, "Environmentally Friendly Countermeasure for Integral Bridge Scour", 8th APRU Doctoral Students Conference" July 30th – August 3rd 2007, Keio University, Tokyo, 2007.
7. M Bisri, Faridah Othman, M Sholichin, Determination Of Runoff Value Using Kineros Model (Case Study In Sumpil Catchment, Indonesia. the International Conference on Construction and Building Technology in Kuala Lumpur, MALAYSIA on 16-20 June 2008
8. M Sholichin, Faridah Othman, Shatira Akib, " Using of SWAT model to Evaluation of Water Quality in Wonorejo Reservoir, Indonesia, The 6th International Symposium on Southeast Asian Water Environment, 29-31 October, 2008, Bandung, Indonesia.
9. M Sholichin, Faridah Othman and Shatirah Akib, "Determinate of Water Quality Status of Brantas River Using STORET and Pollutant Index Method", International Conference 2008 for Sustainable Environmental Technology And Sanitation For Tropical Region, November, 18-19th 2008, Surabaya, Indonesia.
10. Shatirah Akib, Faridah Othman, Ismail Othman and M Sholichin, "An Interesting Environmental Protection Applied to Reduce Integral Bridge Scour", International Conference 2008 Sustainable Environmental Technology and Sanitation for Tropical Region, November, 18-19th 2008, Surabaya, Indonesia.
11. Shatirah Akib, Ismail Othman, Faridah Othman, and M Sholichin, "Scour at Semi-Integral Bridge Piers and Pile Groups", International Junior Researcher and Engineer Workshop on Hydraulic Structures, Aula Magna, Faculty of Engineering, University of Pisa, Italy, 30 - 31 July, 2008.
12. M Sholichin and Faridah Othman, "Application GIS-Watershed Model on Soil Erosion, Sedimentation Assessment and Watershed Conservation Practice", EWRI & AIT Thailand 2009 Conference: An International Perspective on Environmental and Water Resources , January 5-9, 2009 in Bangkok , Thailand.
13. Shatirah Akib, Faridah Othman, Ismail Othman and Mohammad Sholichin, Semi-Integral Bridge Scour Prevention by using *Epipremnum Aureum* 32nd Hydrology & Water Resources Symposium, Newcastle, Australia, Nov 30 Dec 3, 2009
14. Shatirah Akib, Faridah Othman, Ismail Othman and M Sholichin, "Local Scour at Single Row and Double Rows Pile Integral Bridges in Two-Stage Channel", 32nd Hydrology & Water Resources Symposium, Newcastle, Australia, Nov 30 Dec 3, 2009
15. Shatirah Akib, Faridah Othman, Ismail Othman and M Sholichin, "Multiple Span Integral Bridge Scour Phenomenon", EWRI International Conference in Water Resources and Environment Jan 5-7, 2010 - Chennai, India.
16. Shatirah Akib, H. Abdul Razak, M Sholichin and M.M. Fayyadh, "Influence of Global Warming on Coastal Protection: A Review" International Symposium on a Robust and Resilient Society against Natural Hazards & Environmental Disasters and the Third AUN/Seed-Net Regional Conference on Geo-Disaster Mitigation, August 24-26, 2010, Disaster Prevention Research Institute, Kyoto University, Kyoto Japan (*Non-ISI/Non-SCOPUS Cited Publication*)

Evaluation Activities as Review a Paper of Journals.

- Reviewer for The Effectiveness of Groundwater Recharge Well to Mitigate Flood in International Journal of the Physical Sciences, Article In Journal, 2010
- Reviewer for Arsenic Contamination of Aquifers: A Detailed Investigation on Irrigation and Potability, Scientific Research and Essays, Article In Journal, 2010
- Reviewer for Reservoir Inflow Forecasting Using Artificial Neural Network, International Journal of the Physical Sciences, Article In Journal, 2010