

CURRICULUM VITAE

Zulkifli Yusop, *PhD, Professor*
Dean
Water Research Alliance
Universiti Teknologi Malaysia (UTM), Skudai



1.0 PERSONAL DETAIL

Name:	ZULKIFLI BIN YUSOP, PhD.
IC number:	New - 6111012-01-5529 : Old IC - 6272892
Sex	Male
Date of birth:	12 October. 1961
Place of birth:	Muar, Johor
Marital status:	Married
Home address:	29 Jln Pulai 35, Taman Pulai Utama, 81300 Skudai JOHOR, MALAYSIA
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2.0 QUALIFICATION

1984	-B.Sc. (Environmental science), Universiti Pertanian Malaysia (UPM)
1990	-Master (Environmental science), UPM
1996	-Ph.D. (Environmental Hydrology), University of Manchester, United Kingdom

3.0 PROFESSIONAL MEMBERSHIP

- Associate Fellow, Akademi Sains Malaysia 2010
- Registered EIA Consultant and Subject Specialist to the Department of Environment (Registration no CS 0325)
- Exco Member, Malaysian International Hydrological Program (MIHP) – Since 2001
- Member, International Water Association (membership no – 00886231)
- Member, Malaysian Hydrological Society (membership no – 0021)
- Member, Malaysia Nature Society (membership no – O N 21533 J)
- Member, Malaysian Geographical Society
- Member, International Association of Hydrological Science (IAHS) (membership no – 7813)
- Council Member, Malaysian Water Association (membership no OM 0911)
- Member, Asia-Pacific Hydrology and Water Resources Association (APHA)

4.0 MAIN ADMINISTRATION IN UTM

- **Dean of Research**, Research Alliance, UTM (Since March 2009)
- **Senate member**, Universiti Teknologi Malaysia
- **Director**, Institute of Environmental and Water Resource Management, UTM, Johor (Since Sept 2006- Feb 2009)
- **Chief Editor**, Malaysian Journal of Civil Engineering (Jan 2006-Dec 2008)
- **Chief Editor**, Jurnal Kejuruteraan Awam, UTM (August 2003- Dec 2005)
- **R&D Manager**, Institute of Environmental and Water Resource Management, UTM, Johor (2002 to Dec 2005)
- **Secretary**, Environmental Technology Focus Group UTM (2002 to Dec 2005)
- **Subject Coordinator**, Integrated Water Resource Management (SAM 5613)
- **Member**, Publication Committee of Faculty of Civil Engineering UTM since 2001
- Faculty of Civil Engineering 2000 Annual Report (**Chief Editor**)
- Civil Engineering Bulletin (2000), Faculty of Civil Engineering, UTM (**Chief Editor**)

5.0 INTERNATIONAL AND NATIONAL RESPONSIBILITY

a. **International Committee**

- **Secretary**, International Water Association specialist Group on Appropriate Technology for Developing Countries (membership – 00886231)
- **Associate Editor**, Water Science and Technology (IWA Publication) (Since Jan 2009)
- **Group Leader (Hydrology)** for Japanese Society for the Promotion of Science (JSPS)-Asian Core Program (2011-2016)

b. **National**

- **Board of Director**, Lembaga Urus Air Selangor (LUAS) (February 2009 -)
- **Chairman** of the Education, Training and Public Information Committee of the Malaysian International Hydrology Program (MIHP) (2001 -)
- **Exco Member**, Malaysian International Hydrology Program (MIHP) (2001 -)
- **Member**, Research Committee for Malaysian International Hydrology Program (MIHP)
- **Member, Review Panel** for FRGS and ERGS of the Ministry of Higher Education (April 2011 –)
- **Member**, Malaysian Water Association Standing Committee on Further Education and Research (2005)
- **Consultant** for various projects related to forestry and wetland hydrology, river rehabilitation, flood mitigation and EIA reports
- **Technical review panel** for various detail EIA reports

6.0 OTHER TASKS/RESPONSIBILITIES

Oct 2010	Organizing Chairman, Water Awareness Program in conjunction with Inter- varsity Boat Race, Putrajaya
May 2010	Member, UTM's Carbon Footprint Committee.
Mac 2010	Organizing Chairman, the 1 st Young Water Professionals Conference, IWA YWP 2010, 1-4 Mar 2010
Jan 2010	Organizing Chairman of Postgraduate Seminar on Water Sustainability, UTM Skudai,
Dec 2008	Organizing Chairman, International Conference on Environment Management and Technology (ICEMAT)
May 2008	Organizing Chairman, Environmental Awareness Program for School under Malaysian National Commission for UNESCO, 4-10 May 2008
2007	Organizing Chairman, Malam Puisi Alam in Conjunction with National World Water Day, 13 April 2007
2007	Organizing Committee/Advisor, Water Awareness Camp to School Children in Terengganu in Conjunction with National World Water Day, 11-13 April 2007
2007	Organizing Chairman, Innovative Approach for Sustainable Water Resources Management, Kuala Lumpur, 13&14 March 2007
2006	National Committee, World Water Day Celebration.
2006	Organizing Committee, National Conference Water for Sustainable Development towards a Developed Nation by 2020.
2005	Secretary, National Committee River Expedition Program 2005 (NARIN'05)
2005	Advisor. National River Expedition NARIN '05 (at UTM level)
Dec 2005	Chairman, Workshop on Journal Article Review, Faculty of Ciivil Engineering, 7 Dis 2005
Dec 2004	Organizing Chairman, Water Resources Management Course, UTM/MHS
March 2003	Organizing Chairman, River Quality Modelling Course using QUAL2E
Jan-Oct 2002	Project Manager, Pollution Prevention and Water Quality Improvement of Sungai Tebrau and Sungai Segget, Johore
2002-2003	Adviser, Berita FKA, UTM
2002-2005	Project Leader, quantification and management of watershed cumulative effects (Feb 2003-Jun 2005)
2002	Organizing Chairman, Intensive Course in Hydrology organized by IHP/UTM
2002	Organizing Chairman, Workshop I - The Study on Pollution Prevention and Water Quality Improvement of Sungai Tebrau and Sungai Segget, Johor. Organised by IPASA/UTM
2002	Organizing Chairman, Workshop II - The Study on Pollution Prevention and Water Quality Improvement of Sungai Tebrau and Sungai Segget, Johor. Organised by IPASSA/UTM
2002	Organizing Committee, National Seminar on Pollution Prevention and Water Quality Improvement of Sungai Tebrau and Sungai Segget, Johore. Organised by IPASA/UTM
2002- 2004	Coordinator Purchasing Committee (Fundamental Research) under Islamic Development Bank grant for Faculty of Civil Engineering

2001-2003	Adviser, Berita FKA (quarterly bulletin)
2001	Chairman and Editor in Chief , Working Committee for the preparation of Annual Report year 2000 the Faculty of Civil Engineering, UTM
2001	Organizing Committee , International Water Association Conference at PWTC, KL, Oct 2001
2000	Editor , Civil Engineering Bulletin, Faculty of Civil Engineering, UTM
2000	Member , Organising Committee on The Regional Conference on Hydrology and Environment of Small Islands, Tioman Island, Malaysia, 29 - 31 May 2000. Organised by UTM/IHP
1999	Organizing Chairman , National Seminar on Forest and Water
1998	Organizing Committee , Workshop IV on Impact of Logging in Muda/Pedu Catchment.
1998	Member , Environmental Audit Committee for New England Energy System (NEES)/Innoprise Corporation Sdn. Bhd. Reduced Impact Logging (RIL)
1997-99	Head , Research Committee on Hydrological Impact of Zero Burning for Forest Plantation Establishment
1997-2000	Member , Research Committee for Developing a Model Project for Cost Analysis to Achieve Sustainable Forest Management – project under International Tropical Timber Organization (ITTO), PD31/95 Rev.3 (F)
1997-1999	Member , FRIM's MS ISO9000 Committee
1997/98	Chairman , for FRIM' staff in the Council with the Government for FRIM
1997	Organizing Committee Workshop III Impact of Logging in Muda/Pedu Catchment.
1997	Review Panel , Detail EIA of the Lekir Coastal Development (Land Reclamation and Deep Water Terminal
1997	Review Panel Detail EIA of the Coastal Reclamation Project at Bagan Datoh, Perak
1997	Review Panel Detail EIA for Coastal Land Reclamation Project at Kedah, Darul Aman
1997	Organizing Committee, Ministry of Primary Industries' Green Award.
1995/96	Member , "Majlis Bersama Kerajaan FRIM"
1995	Secretary , Working Committee on EIA for Forest Harvesting.
1994-95	Member , FRIM's Invention and Innovation Committee
1993-97	Member , National Technical Committee International Geosphere-Biosphere Program (IGBP)
1991-99	Member , International Hydrology Programme (IHP) for Malaysia
1991	Member , FRIM's Tender Technical Committee
1989	Organizing Committee Regional Seminar on Tropical Forest Hydrology
1988-90	Secretary , Working Committee on Land-use Pattern and its Impact on Water Resources in Damansara Catchment, Selangor
1988-90	Member , FRIM's Manual Review Committee
1986-88	Secretary , FRIM's Research Officer Meeting
1986-88	Member , Working Committee on Sungai Tekam Experimental Basin headed by DID, Malaysia

7.0 TEACHING

- **Undergraduate courses:** Forest Hydrology and Catchment Management (UPM-1991), Hydrology, Integrated Water Resource Management, Research Methodology and Problem Solving in Civil Engineering
- **Post graduate courses:** Water Resources Development, Statistical Hydrology
- **Course coordinator:** Integrated Water Resource Management since year 2001

8.0 RESEARCH

8.1 International Research Collaboration

- i. Title: Innovative Decision Making for Sustainable Management of Water in Developing Countries (as co-researcher)
Filed: Water Management, Catchment Management
Role: Co-Researcher
Duration: Jan 2005- Jun 2008
Members: EU, University of Natural Resources and Applied Life Science (Vienna), Univ of Oxford, Polytecnic of Bari (Italy), Institute of Technology Surabaya,
Value: RM 1,300,000; vot 68411
- ii. Title: Evaluation of logging impacts on soil erosion and watershed ecosystem (**Study Leader**)
Filed: Soil erosion and nutrient losses modelling
Role: Co-Researcher
Duration: 2003-2005
Member: National Institute for Environmental Studies, Japan.
- iii. Title: Developing a Model Project for Cost Analysis to Achieve Sustainable Forest Management.
Field: Hydrology, Sedimentation, Water Quality
Role: Co-Researcher
Duration: 1997-1999
Sponsor: International Tropical Timber Organization
- iv. Title: Quantification of micro-meteorological and hill slope hydrological processes
Field: Forest micro-climate, energy and carbon balance, hill slope hydrology.
Role: Co-Researcher
Duration : 1993-1998
Sponsor: National Institute of Environmental Studies, Tsukuba, Japan.
- v. Title: Economic Benefits of Watershed Protection and Trade-off with Timber Production: a Case Study in Malaysia.
Field: Sedimentation rate, water quality.
Duration: 1993-1996
Sponsor: Economy and Environmental Program for Southesat Asia (EEPSEA)

8.2 National Research Grants

1. Title : Agricultural non point source pollution and impact on reservoir sedimentation and water quality
Role : Project Leader
Duration : Jul 2011-Jun 2014
Field : Lake eutrophication, non-point source pollution modelling
Value : RM 450,000; Humid Tropic Centre,KL ; Vot 4B041
2. Title : Combining Instream Routing and Satellite Imagery for Integrated Flood Early Warning System
Role : Project Leader
Duration : Oct 2011 – Sept 2014
Field : Stochastic Hydrology
Value : 842,908: GUP; vot-
3. Title : Multi-site disaggregation of daily rainfall into hourly rainfall (FRGS)
Role : *Project Leader*
Duration : 2010-2012
Field : Stochastic
Value : RM55,000 (FRGS)
4. Title: : Development of best management practices for controlling erosion and sedimentation in oil palm catchments (E-Science)
Role : Project Leader
Field : Hydrology and Soil Erosion
Duration : Sept 2008-August 2010
Value : RM 115,000
5. Title : Stochastic modeling of rainfall for multi-site
Role : Co-researcher
Field : Rainfall processes
Duration : Nov 2008-Oct 2011
Value : FRGS, RM 103,000
6. Title : Detailed quantification of erosion process and modeling of sediment yield in oil palm catchments (MOHE –FRGS)
Role : Project Leader
Field : Soil Erosion
Duration : Sept 2007-August 2009
Value: : RM 100,000 (Vot 78254)
7. Title : Development of Runoff Generation Processes in Forested and Agricultural Catchments
Role : Project Leader at UTM – A multi agencies project
Field : Rainfall-runoff Process
Duration : Jan 2004- Dec 2007

- Value : RM 204,000.00 (IRPA Vot 74287)
8. Title : Hydrological quantification of oil palm catchments for an improved streamflow modeling (As Project Leader):
- Role : Project Leader
- Field : Hydrology, water quality, rainfall-runoff modeling
- Duration : Jan 2004- Dec 2006 (IRPA vot 74237)
- Value : RM 298,000.00
9. Title : Modelling of convective rains for predicting flash flood
- Role : Co-Researcher
- Field : Hydrology, rainfall-runoff modelling
- Duration : November 2004- October 2007
- Value : RM 186,200.00, IRPA-EAR (08-020610039) Vot 74280
10. Title : Quantification and Management of Cumulative Watershed Effect
- Role : Project Leader
- Field : Watershed modeling, water quality, catchment management
- Duration : Feb 2003- Jun 2005
- Value : RM 325,000.00; IRPA Vot 74026
11. Title : Changes in stormflow parameters and water quality following clearing
- Role : Hydrology, water quality
- Field : Project Leader
- Duration : July 2000-Jun2001
- Value : 19,800.00 (vot: 71628) ; UTM – short term grant
12. Title : Natural organic matter (NOM) characterization for drinking water
- Role : Study Leader
- Field : Water quality
- Duration : July 2000 to June 2001
- Value : RM 17,000.00 (vot:71639); UTM Short term grant
13. Title : Hillslope hydrological processes in the tropics
- Role : Co-Researcher
- Field : Surface Hydrology
- Duration : 1996-1998
- Value : RM 233.000; IRPA (08-04-01-007)
14. Title : Selective logging impacts on hydrology, water quality and sedimentation
- Role : Co-Researcher
- Field : Water quality, hydrology, sedimentation
- Duration : 1985-1990
- Value : FRIM
15. Title : Effects of forest plantation establishment on hydrological attributes
- Role : As Co-Researcher
- Field : Hydrology, water quality, catchment nutrient recovery
- Duration : 1997-1999
- Value : RM 268,000.00; IRPA (10032/00700/218/210)
16. Title : Effects of plantation establishment on hydrological attributes
- Role : Co-researcher
- Field : Hydrology, water quality

- Duration : 1986-1988
 Value : RM 50,000; Department of Irrigation and Drainage
17. Title : Highland Hydrology (Cameron Highland)
 Role : Co-Researcher
 Field : Sedimentation, Water Quality
 Duration : 1990-1991
 Value : RM 50,000; TNB and DID

9.0 CONSULTANCY

9.1 Local Clienteles

1.	Title: Role: Duration: Client/value:	Water Resources study in Gugusan FELDA Sahabat , Lahad Datu, Sabah Project Leader Jan 2011-Aug 2011 FELDA; RM 1.09 million
2.	Title: Role: Duration: Client/value:	Penang Cybercity River s Rehabilitation Project Project Leader May 2010-Nov 2010 DID/Perunding Azman and Rao: RM 163,106
3.	Title: Role: Duration: Client/value:	Johor Water Resources Study – Influence of Climate Change Project Leader Nov 2010-August 2011 SMSB; RM 204,641
4.	Title: Role: Duration: Client/value :	Detailed Environmental Impact Assessment for the Proposed Tin Mining at the Coast Water off Kuala Sungai Baru, Alor Gajah, Melak. Project Leader Sept 2010-May 2011 Malacca State Government; RM 1.2 mill.
5.	Title: Role: Field: Duration: Client/value:	Study on The Potential of Rainwater Utilisation in Supplementing Water Demand in Industry – In Terms of Quantity & Quality, Project Leader Hydrology, Water Quality Jan 2010 – Nov 2010 NAHRIM; RM 236,162
6.	Title: Role: Duration: Client/value	Desk Study on River Buffer Zone in Malaysia: Policy, By Laws and Incentives Project Leader/Hydrologist Mar-June 2010 NAHRIM; RM 52,773
7.	Title: Role: Duration: Client/value	Environmental Performance Index Team member Sep 2009 – Dec 2010

		Ministry of Natural Resources and Environment	
8.	Title	Mega Science Framework for Water	
	Role:	Deputy Project Leader	
	Duration:	Aug 2009 – June 2010	
	Client/Value	Akademi Sains Malaysia/RM 300,000	
9.	Title:	Study on the Impact of Climate Change on Design Flood and its Application for the Damansara, Johor and Kelantan River Basin.	
	Role	Project Leader	
	Field:	Duration:	Rainfall-runoff Modelling, stochastic hydrology
	Client/value:	Dec 2008- Jun 2009	
		DID; RM 198,000.00	
10.	Title:	Optimization of rainfall observation network on model calibration and application for Johor, Muar and Batu Pahat River Basin	
	Role:	As Project Leader)	
	Field:	Duration:	Rainfall-Runoff Modelling, Stochastic Hydrology
	Client/value:	Sept 2008- April 2009	
		DID; RM 331,934.68	
11.	Title:	Study on the Performance of Resam (<i>Dicranoptheris linearis</i>) and Vertiver grass (<i>Chrysopogon zizanioides</i>) for erosion control	
	Role	As Project Leader	
	Field:	Duration:	Canopy hydrology, soil erosion
	Client/value:	April 2008-Mar 2009	
		DID; RM 346,000.00	
12.	Title:	Detaile EIA study for the Proposed Extension of Pulp and Paper Mill in Sipitang	
	Role	Consultant	
	Field:	Duration:	Hydrology/Lowflow
	Client/value:	Jun 2008-Dec 2008	
		Chemsain Konsultan Sdn Bhd, 22K	
13.	Title:	Preparation of Cleaner Production Module	
	Role	Consultant	
	Field:	Duration:	Non-Point sources Pollution
	Client/value	Feb 2009-Nov 2009	
		Department of Environment; 50 k	
14.	Title:	Rekabentuk Terperinci Sistem Saliran Bandar Senai, Johor	
	Role:	As Project Leader	
	Field:	Duration:	Flood control, Pollution Load
	Client/value:	Oct 2007-Apr 2008	
		Perunding Azman& Rao; RM 210,000.00	
15.	Title:	Macro Environmental Impacts Assessment for Forest Management in Johor	
	Role	As Project Leader	
	Field:	Duration:	Hydrology, Soil Erosion
	Client/value:	Oct 2007-April 2008	
		Forestry Department, Johor; RM 398,796	

16.	Title:	Detailed EIA for the Proposed Construction of Ulu Jelai Hydro-Power Dam in Cameron Highland
	Field:	Study Leader for Hydrology
	Duration:	April – Dec 2007
	Client/value:	TNB
17.	Title:	Detailed EIA – Proposed development of Integrated Port at Rantau-Rantau, Labuan
	Field:	Deputy Project Director/Hydrology expert
	Duration:	Nov 2006 - Jun 2007
	Client/value:	Jabatan Laut Malaysia (RM 955,000)
18.	Title:	Macro Environmental Impact Assessment for Perak Forest Management Unit
	Field:	Study Leader for Forest Hydrology
	Duration:	Dec 2006 – April 2007
	Client/value:	Forestry Department, Perak (RM50,000)
19.	Title:	Detailed EIA study for Lebuhraya Pantai Timur
	Field:	Hydrology
	Duration:	Sept 2006 – Oct 2006
	Client/value:	Ecotone Management Sdn Bhd (RM 10,000)
20.	Title:	EIA study for Shah Alam Waste Transfer Station
	Field:	Hydrology
	Duration:	April 2006 – May 2006
	Client/value:	Ecotone Management Sdn Bhd (RM 3,000)
21.	Title:	Detailed EIA – Proposed development of Ulu Jelai Mixed Pumped Storage Hydroelectric Project at Cameron Highlands, Pahang.
	Field:	Climate, Flora and Fauna
	Duration:	Feb 2003 - Sept 2003
	Client/value:	TNB Research Sdn Bhd (RM 1.4 million)
22.	Title:	Lake Study in Malaysia
	Field:	Hydrology, Water Quality
	Duration:	Nov 2004-May 2005
	Client/value:	National Institute of Hydraulic Study (NAHRIM) (RM 50,000)
23.	Title:	Geological, geotechnical and hydrological assessment that lead to Landslide at Gunung Pulai, Johor
	Field:	Hydrology, Forestry
	Duration:	July- Sept 2002
	Client/value:	The State Government of Johor (RM 50,000)
24.	Title:	Study on Pollution Prevention & Water Quality Improvement Program of Sg. Segget and Sg. Tebrau, Johor
	Role:	Project Manager
	Field:	Hydrology, Pollution loading, Non Point Source Pollution
	Duration:	Oct 2001 – Oct 2002
	Client/value:	Department of Environment Malaysia (DOE) (RM 2.2 mil)
25.	Title:	EIA for the proposed construction and completion of the Research Center for Fresh Water Fish at Glemis Lemi, Jelebu, Negeri

	Field:	Sembilan.
	Duration:	Client/value: Forest Resources
		Sept 2000 – may 2001
		JKR (RM 150,000)
26.	Title:	Logging impact reduction in the Sungai Chereh Catchment, Kuantan, Pahang.
	Field:	Duration: Hydrology, forest conservation
	Client/value:	October 1997
		Amanah Saham Pahang (ASPA)
27.	Title:	EIA for establishing diary farm at Sintuk, Kedah.
	Field:	Duration: Hydrology, sedimentation, water quality.
	Client/value:	1989
		Perangin Diary Farm

9.2 International Clientele

- Title: Study on heavy metals at SouthEastPahangPeatSwampForest

Field: Hydrology, Water Quality

Duration: Dec 2004-Jun 2005

Client: UNDP/FRIM/Forestry Department Malaysia
- Title: Sustainable Management of PeatSwampForest

Field: Hydrology, Water Quality

Duration: 1997-1998

Client: Danish Cooperation for Environment and Development (DANCED)
- Title: Hydrological studies at Sipitang, Sabah

Field: Technical advisor (hydrology)

Duration: 1990-1992

Client: World Bank and SabahForest Industry
- Title : The Economic Case for NaturalForest Management.

Field: Hydrology, sedimentation

Duration: 1992-1994

Client: International Tropical Timber Organization (ITTO)

10.0 PUBLICATIONS

- **Citation = 71 (Scopus)**
- **H-Index = 6 (Scopus)**
- Associate Editor of Water Science and Technology (International Water Association, Impact factor 1.09)
- Chief Editor Malaysian Journal of Civil engineering (2004-2009)

1. Chow M.F., Z. **Yusop** and M.E. Toriman (accepted) Stormwater Runoff Quality Characterization at Tropical Urban Catchment. *International Journal of Environmental Science and Technology*. IF=3.157
2. Siti Aisah, S., Z. Yusop, Noguchi, S. and Abd. Rahman K. (accepted) Rainfall Partitioning Into Throughfall, Stemflow and Interception In a Young Hopea Odorata Plantation. *Journal of Tropical Forest Science*. IF=0.519
3. Mohsen S.G., Z. Yusop, and Norhan A.R. (2011) Simulation of flood extent mapping by Infowork RS – A case study for tropical catchment. *Journal of Software Engineering*, 5(Dec), 1-9. Doi: 10.3923/jse.2011
4. Chow M.F. , Z. **Yusop** and M. Mohamed (2011) Quality and first flush analysis of stormwater runoff from a tropical commercial catchment. *Water Science and Technology*, 63(1): 1211-1216, doi: 10.2166/wst.2011.360. IF=1.09
5. Chow, M.F., Z. **Yusop** (2009) Storm runoff quality in a medium cost residential catchment in Malaysia, *Journal of Environmental Hydrology*, 17(#33): 1-9
6. **Yusop**, Z., Chong Meng Hui, Geoffery James Garusu, Ayob Katimon (2008) Estimation of Evapotranspiration in Oil Palm Catchments by Short-Time Period Water-Budget Method. *Malaysian Journal of Civil Engineering*, 20(2): 160-174.
7. Fadhilah Y., Zalina M.D., Maizah Hura A., Nguyen V.T.V., Z. **Yusop** (2008) Assessment of Point Process model following the Newman Scott Process. *Matematika*, 23(2): 535-545
8. **Yusop**, Z., Chan C.H.. and Ayob Katimon (2007) Runoff Characteristics and Application of HEC-HMS for Modelling Stormflow Hydrograph in an Oil Palm Catchment. *Water Science Technology*, 56(8): 41-48. IF=1.09
9. Nazahiyah R, Z. **Yusop** and Abustan, I. (2007) Stormwater quality and pollution load estimation from an urban residential catchment in Skudai, Johor, Malaysia. *Water Science Technology*, 56(7): 1-9. IF=1.09
10. Fadhilah Y, Zalina M.D., Nguyen V-T-V, S. Suhaila S, Z. **Yusop** (2007) Fitting the Best-fit distribution for the Hourly Rainfall Amount in the Wilayah Persekutuan. *Jurnal Teknologi* 46(C): 49-58.
11. Fadhilah Y. Zalina MD, Nguyen V-T-V, Z. **Yusop** (2007) Performance of Mixed Exponential and Exponential Distribution Representing Rain Cell Intensity in using Neyman-Scott Rectangular Pulse (NSRP) Model. *Malaysian Journal of Civil Engineering*, 19(1): 55-72.
12. **Yusop**, Z., Abdul Rahim N. and Douglas, I. (2006) Dissolved and undissolved nutrient loading from secondary forest catchments of Malaysia. *Forest Ecology and Management*. 224: 26-44 (Elsevier). IF= 1.8
13. Mohd Ekhwan T., Z **Yusop**, Mazlin M., Hafizan J. (2006) Using GIS for Assessing Dynamic Langat River Channel. *Malaysian Journal of Civil Engineering*, 18(1): 59-70.
14. Geoffery, J.G. and Z. **Yusop** (2005) Bedload Transport from a regenerated forest catchment in Sarawak. *Jurnal Kejuruteraan Awam*. 17(2): 69-72

15. **Yusop, Z.,** L.W. Tan, Z. Ujang, M. Mohamed and K.A. Nasir (2005) Runoff quality and pollution loadings from a tropical urban catchment. *Water Science and Technology*, 52(9): 125-132. IF=1.09
16. Sammmori, T. **Z.Yusop**, Baharuddin K, Nogouchi, S. and Tani, M. (2004) Suspended solids discharge from a small forested basin in humid tropics. *Hydrological Processes*, 18(4), 721-738. IF=1.7
17. Nurul Adzura I.,Harun, S. and **Z.Yusop** (2004) Synthetic simulation of streamflow and rainfall data using disaggregation models, *Jurnal Kejuruteraan Awam* 16(2): 57-66.
18. Ayob K., Azraai K., Fadil O., Johan S., **Z.Yusop** and Normala H. (2004) Agriculture drainage affects river water quality *Journal Institution of Engineers, Malaysia*. 65 (1/2): 1-7.
19. **Yusop, Z. ,** Cham, S.Z. & Chong J.H (2003) Throughfall, stemflow and interception loss of old rubber stands, *Jurnal Kejuruteraan Awam*, 15(1): 24-33.
20. Noguchi, S., Baharuddin, K., **Z.Yusop**, Tsuboyama and Tani, M. (2003) Depth and physical properties of soil in forest and rubber plantation, Peninsular Malaysia. *Journal of Tropical Forest Science*, 15(4): 513-530.
21. Umi K. Ahmad, Zaini U., **Z. Yusop** and Ting L.F. (2002) Flourescence technique for the characterization of natural organic matter in river water. *Water Science Technology*, 46(9): 117-125
22. Noguchi, S., **Z.Yusop**, Baharuddin K., Tani, M., Tsuboyama and Sammmori, T. (2000). Seasonal soil water storage changes in a tropical forest in Peninsular Malaysia. *Journal of Japan Society of Hydrology and Water Resources*. 13 (3): 206-215.
23. Othman, M.H.S., Awang Noor, A.G., Abdul Rahim, N., **Z.Yusop** and Razani U. (1999). Trade-offs on competing uses of a Peninsular Malaysian catchment's, *Environment and Development Economics*, 4:279-311
24. **Yusop, Z., ,** Baharuddin K. and Abdul Rahim N. (1998) Estimating rates of nutrient recovery following timber harvesting in a second growth forest of Peninsular Malaysia. *Forestry Science*, vol 54. Kluwer Academic Publisher, Dordrecht. Pp. 419-429.
25. Noguchi, S. Abdul Rahim N., **Z. Yusop**, Tani, M. And Sammmori, T. (1997) Rainfall-runoff responses and roles of soil moisture variation to the response in tropical rain forest, Bukit Tarek, Peninsular Malaysia. *Journal of Forest Research*. 2: 125-132.
26. **Yusop, Z., &** Anhar S. (1994) Effects of selective logging methods on suspended solids concentrations and turbidity level in streamwater. *Journal of Tropical Forest Science*. 1(2): 201-214.
27. Nakashizuka, T., **Z.Yusop** and Abdul Rahim N. (1992) Altitudinal zonation of forest communities in Selangor, Peninsular Malaysia. *Journal of Tropical Forest Science*, 4(3): 233-244.
28. **Yusop, Z.,** Abdul Rahim N., Anhar S. and Mohd Fauzi Z. (1989) Rainfall chemistry and nutrient loading in a Peninsular Malaysia forest site. *Journal of Tropical Forest Science*, 1(3): 201 - 214.
29. **Yusop, Z.,** Anhar S. and Mohd Pauzi Z. (1987) Effects of selective logging on physical streamwater quality in hill tropical rain forest. *Malaysian Forester*, 50(3): 281-310.

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22. Amir H.S., Klaus, B. and **Zulkifli Yusop.** (1993) Conservation and silvicultural measures undertaken in opening of forest land for cattle industry in Sintok, Kedah. *In*: B. Aziz and A.R. Hamid (eds.) *Proceedings Soil Science Conference of Malaysia 1992*, Kuala Terengganu, 27-28 April, Malaysian Society of Soil Science, pp 230-253.
23. **Zulkifli Yusop.**, Abdul Rahim N. and Baharuddin K. (1991) Hydrological impacts of forestry and land-use practices in Malaysia. *In*: S. Appanah, F.S.P. Ng and Roslan I. (eds.) *Proceedings of the Conference on Forestry and Forest Products Research*, 3-4 Oct. 1990, Forest Research Institute Malaysia, Kepong, KL, pp 96-106.

Paper at International Conferences/Seminars

1. Sairan, F., Idrus, D., Md Som, H., Mohd Kamil, N.A.F., Yusop, Z., Md Din, M.F. (2009) Assessment of the residential perception on the sewerage systems in Taman Ungku Aminah. International Conference on Industry Best Practices – Water Malaysia 2009. 19-21 May, Kuala Lumpur
2. Soffee, N., Ujang, Z. and Yusop, Z. (2009) Evaluation of Kubang Pasu public water supply in the context of the new WHO water safety plans – A case study. International Conference on Industry Best Practices – Water Malaysia 2009. 19-21 May, Kuala Lumpur
3. Soffee, N. Ujang, Z. and Yusop, Z. (2009) The state of the art in management approach for assuring safe drinking water. International Conference on Industry Best Practices – Water Malaysia 2009. 19-21 May, Kuala Lumpur
4. Zulkifli Yusop (2009) Water Supply Issues and Management Reform in Malaysia. The 1st Workshop on Water Supply Management System and Social Capital. Bandung 20 March.
5. Mazlan H., T. Okuda, **Zulkifli Yusop**., S. Numata, S. Nishimura, M. Suzuki and T. Kondo (2005) Assessment of impact of landscape development on ecological services values and goods using integrated remote sensing and GIS techniques. International Workshop on The Landscape Level Rehabilitation of Degraded Tropical Forests. Tsukuba, Japan. (Abstract) Feb 2005
6. Okuda, T., Mazlan H., **Zulkifli Yusop**., S. Numata, T. Kondo and K. Parker (2005). Application of GIS for sustainable forest management – linkage between the ecosystem management and forest rehabilitation. International Workshop on The Landscape Level Rehabilitation of Degraded Tropical Forests. Tsukuba, Japan. (Abstract).
7. **Zulkifli Yusop**. and Maketab M. (2005) Roles of government agencies in environmental awareness activities: Experience of the Malaysian International Hydrology Program. Best of Both World Conference on Environmental Education for Sustainable Development, Kuala Lumpur, 6-8 Sept.
8. **Zulkifli Yusop**., T. Okuda., Mazlan H. and S. Numata (2005) Estimation of soil and nutrient losses for quantifying watershed services. International Workshop on The Landscape Level Rehabilitation of Degraded Tropical Forests. Tsukuba, Japan.
9. Ahmad, U.K., Ujang, Z., **Zulkifli Yusop**., Periaiah, N. and Selvaraju, G. (2004) Analysis of humic acid and fulvic acids from peat water samples employing solid phase extraction and fluorescence detection. Asia Water 2004 Conference, Kuala Lumpur.
10. Chan, C.H., **Zulkifli Yusop**. and K.A. Mohd Nasir (2004) Modelling of watershed cumulative effects based on major land use using XPSWMM2000. 1st ASEAN Junior Scientists Workshop.
11. Rahmat, S.N., **Zulkifli Yusop**. and M. Mohamed (2004) Non-point source pollution loadings from developed catchments in Skudai, Johor. 1st ASEAN Junior Scientists Workshop.
12. Maketab M., Siti Nazahiyah R. and **Zulkifli Yusop**(2004) Non-PointSource Pollution Loadings from Residential And Commercial Area in Johor, Malaysia. 8th International Diffuse Pollution Conference, KyotoConference, Japan, 25-29 October
13. **Zulkifli Yusop**., Maketab M. and Kamarul Azlan M. N. (2003) Water Quality and Pollution Loadings Assessment for Tebrau Catchment, Johor. East-Asia Regional Seminar on River Restoration, Kuala Lumpur 13-15 January 2003
14. **Zulkifli Yusop**., Tan L.W., Kamarul Azlan M.N. and Maketab M. (2002) Stormwater quality and pollutant loadings from an urban catchment in Johor Bahru. Water

- Environmental Planning Seminar- Technologies of Water Resources Management, Kuala Lumpur, 15&16 October
15. Maketab M, **Zulkifli Yusop** and ZainiU. (2002) Urban river rehabilitation- water quality and pollution loads of Sg. Tebrau, Johor. Water Environmental Planning Seminar- Technologies of Water Resources Management, Kuala Lumpur, 15&16 October
 16. **Zulkifli Yusop**., Abdul Rahim N. and Baharuddin K. (2001) Rainfall partitioning in an old growth tropical rain forest. International Conference on Forestry and Forest Products Research (CFFPR 2001), Kuala Lumpur, 1-3 Oct.
 17. Chappell, N.A., **Zulkifli Yusop**., Abdul Rahim N., Tych Wlodek and Baharuddin, K (2000) Modelling spatially-significant effects of selective, tropical forestry on water, nutrient and sediment flows. Paper presented at Symposium & Workshop on Forest-Water-People in the Humid Tropics: Past, Present and Future Hydrological Research for Integrated Land and Water Management, Bangi. 30 July – 4 August.
 18. **Zulkifli Yusop**., Abdul Rahim N. and Baharuddin K. (2000) Stream chemistry of rainforest catchments on metamorphic rocks. Paper presented at XXI International Union of Forestry Research Organizations (IUFRO) World Congress, Kuala Lumpur, 7-12 August.
 19. Mohd Awang, Zulkifli Yusop, Leong C.P. Baharuddin Kasran (1999) Rainfall chemistry in Peninsular Malaysia and its potential impacts on soil and vegetation: a case study. Workshop on Ecological Impact Monitoring of Acid Deposition in East Asia, Beijing, Sept 1999.
 20. **Zulkifli Yusop**, Abdul Rahim N., and Baharuddin K (1998) Evapotranspiration loss from a second growth forest of Peninsular Malaysia. Paper presented at International Conference on Hydrology and Water Resources of Humid Tropics, Ipoh, Malaysia, 24-26th Nov. 1998.
 21. **Zulkifli Yusop**. and Baharuddin K (1997) Nutrient fluxes via litterfall and canopy leaching in a secondary tropical rainforest site. Paper presented at 2nd. International Conference on Environmental Chemistry and Geochemistry in the Tropics, Kuala Lumpur, 7-11 April 1997.
 22. Mohd Shahwahid H.O., Awang Noor A.G., Abdul Rahim N., **Zulkifli Yusop**. and RazaniU. (1996) The economics of forested catchment management. Paper presented at Workshop Malaysia-UK Programme for the Conversation, Management and Development of Forest Resources. FRIM, Kepong, KL 21-24 October 1996.
 23. Mohd Shahwahid H.O., Awang Noor G., Abdul Rahim Nik, **Zulkifli Yusop**. and Shahrudin Ismail (1995) Economic benefits of watershed protection and trade-offs, Paper presented at Environmental Economics Research Seminar organised by the Environmental Economic Research Programme for South East Asia (EEPSEA) at Singapore 24-26 May 1995.
 24. **Zulkifli Yusop**., Abdul Rahim N. and Baharuddin K. (1993). Selective logging in Peninsular Malaysia: Impacts on streamwater chemistry. Paper presented at the International Symposium on Forest Hydrology. Canberra, 22-26 Nov. 1993.
 25. **Zulkifli Yusop**., Saifuddin S. and Baharuddin K. (1993) Subsoil compaction of logging road and recovered site in a logged-over forest. Paper presented at Soil Science Conference Malaysia 1993, Penang, 19-21 April 1993.
 26. Samori,T., Naguchi, S., Tani, M., **Zulkifli Yusop**. & Baharuddin K (1993) Hydrological characteristics in tropical rain forest in Malaysia- suspended sediment and water quality. Paper presented at 104th. Annual Meeting of Japanese Forestry Society. Morioka, Japan.
 27. **Zulkifli Yusop**. and Abdul Rahim N. (1991) Logging and forest conversion: can we minimize their impacts on water resources? Paper presented at ASEAN Seminar on Land-Use

- Decisions and Policies: Will Tropical Forest Survive Their Impact?? AIFM, Penang 28-30 Oct. 1991
28. **Zulkifli Yusop.**, Anhar S. and Baharuddin K. (1990) Postlogging effects on suspended solids and turbidity - five years observation. Paper presented at Workshop on Watershed Management and Development. UPM, IHP and UNESCO. Kuala Lumpur, 19 -23 Feb. 1990.
 29. **Zulkifli Yusop.** (1989) Effects of selective logging methods on dissolved nutrient exports in Berembun Watershed, Peninsular Malaysia. Paper presented at the Regional Seminar on Tropical Forest Hydrology. FRIM, IHP and UNESCO. Kuala Lumpur, 4 -8 Sept. 1989.
 30. Abdul Rahim N. and **Zulkifli Yusop.** (1988) Statistical analysis of water quality data using computer softwares. Paper presented at the Training Course on Computer Application in Watershed Management. ASEAN-US Watershed Project. Kuala Lumpur, 14 -19 Nov. 1988.

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1. Zulkifli Yusop & Abdull Rahim Mohd Yusoff (2009) Asas fiqh bagi mengukuhkan pelestarian alam sekitar. Symposium Kebangsaan Fiqh Sains dan Teknologi 2009. Johor Bahru, 10&11 Dec 2009.
2. Zati Sharip and **Zulkifli Yusop.** (2007) The status of lake eutrophication in Malaysia. Proceedings of Colloquium on Lakes and Reservoir Management: status and Issues, 2&3 August, Putrajaya.
3. Siti Aishah S. and **Zulkifli Yusop.** (2007) Rainfall interception by young *Hopea odorata*. Proceedings of Conference on Forestry and Forest Product Research (CFFPR- 2007), 27-29 November 2007, Kuala Lumpur.
4. Chong, M.H. ,**Zulkifli, Yusop.** and Geoffery, J.G. (2007) Estimating Evapotranspiration in Oil Palm Catchments Using Short-Time Period Water-Budget Method. Paper presented at World Water Day Seminar. Kuala Terengganu, 14&15 April 2007.
5. **Zulkifli Yusop.** , Ismail A. (2007) Policy Reform for Meeting Future Water Demand. World Water Day Seminar. Kuala Terengganu, 14&15 April 2007.
6. Siti Nazahiyah R., **Zulkifli Yusop.** and Ismail A. (2007) First flush load of urban storm runoff in Skudai, Johor. AWAM 2007, Penang
7. **Zulkifli Yusop.** And Zaini Ujang (2006) Managing non-point source pollution from a catchment perspective. Invited speaker at national Conference on Agro Environment 2006, MARDI. Penang.
8. Mohamed, M., **Zulkifli Yusop.** and Ujang Z. (2003) Urban river rehabilitation – Sungai Tebrau and Sg. Segget, Johor, Malaysia. ENVIRONMENT 2003, Penang, 18-19 Feb.
9. **Zulkifli Yusop.** (2002) Hydrological attributes of a disturbed peat swamp forest. Workshop on Prevention and Control of Fire in Peatlands, Kepong, 19-21 March
10. Maketab, M.&**Zulkifli Yusop** (2002) Urban river rehabilitation – pollution levels and peculiarities of Sg. Tebrau, Johor. Institute of Engineers Malaysia, Fourth Annual Water Resources Colloquium, Ampang, 22 June.
11. **Zulkifli Yusop.**, Maketab M., Kamarul Azlan M.N., Sobri H. and Areshwhina N. (2002) Point source and non-point source pollution assessment in Tebrau and Segget Catchment,

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12. Kamarul Azlan M.N, **Zulkifli Yusop.**, Sobri H. and Areshwhina N. (2002) Flow augmentation scheme for lower TebrauBasin. National Seminar on Pollution Prevention and Water Quality Improvement of Sungai Tebrau and Sungai Segget, Johore, 29-30 Oct.
 13. **Zulkifli Yusop.** and Maketab M. (2001) Translating results of catchment research into management perspective: A challenge. National Seminar Environmental Management 2001, UKM 14-15 August 2001.
 14. Maketab M. and **Zulkifli Yusop.** (2001) Design of sediment oxygen demand (SOD) “in-situ” measuring chamber and its application in several rivers. National Seminar Environmental Management 2001, UKM 14-15 August 2001.
 15. Ayob K., Ahmad Khairi A.W. and **Zulkifli Yusop.** (2001) Studies on hydrological dynamic of a drained peat basin using time series model. National Workshop on Ecological and Environmental Modelling. USM, Penang, 3-4 Sept.
 16. **Zulkifli Yusop.** (2000) Hydrological impacts of forestry activities: Malaysian experience. Paper presented at Seminar Kejuruteraan Awam (SEMKA 2000), Kuantan, Pahang, 20-21 May.
 17. **Zulkifli Yusop.**, ShamsuddinI., Baharuddin K. and Ahmad C.S. (1999) Runoff estimate from the NorthSelangorPeatSwampForest. Paper presented at FRIM’s Conference on Forestry and Forest Products Research (CFFPR) 1999 Series on Water: Forestry and Landuse Perspectives. FRIM, HTC and WWF Malaysia, 31 March and 1 April 1999.
 18. Abdul Rahim N. and **Zulkifli Yusop.** (1999) Hydrological impacts of forestry and land-use activities: Malaysian and regional experience. A keynote paper presented at FRIM’s Conference on Forestry and Forest Products Research (CFFPR) 1999 Series on Water: Forestry and Landuse Perspectives. FRIM, HTC and WWF Malaysia, 31 March and 1 April 1999.
 19. M. Shahwahid O., Chew C.G., **Zulkifli Yusop.** and Baharuddin K (1999) The external cost of conversion of highland forested watershed. Paper presented at FRIM’s Conference on Forestry and Forest Products Research (CFFPR) 1999 Series on Water: Forestry and Landuse Perspectives. FRIM, HTC and WWF Malaysia, 31 March and 1 April 1999.
 20. **Zulkifli Yusop.** and Azman H. (1999) Managing water resources: Forestry’s perspective. Paper presented at Conference on Asset Management, 29-30th June 1999, Miri, Sarawak.
 21. **Zulkifli Yusop.** and Baharuddin K. (1999) Hydrological considerations for sustainable management of peat swamp forests in Pahang and Selangor. Paper presented at Workshop on Sustainable and Integrated Management of Peat Swamp Forests in Peninsular Malaysia, Kuantan, Pahang. 16-18 November 1999
 22. **Zulkifli Yusop** (1998) Fenomena Iklim. Kertas kerja dibentang dalam Kursus Pengenalan Kebakaran Hutan. FRIM/Jabatan BOMBA. Jun 1998.
 23. **Zulkifli Yusop.** and Baharuddin K (1998) Stream-bed profile and erosion rates from undisturbed forest catchments in SungaiWengExperimentalBasin, Baling, Kedah. Paper presented at Bengkel ke 4 Kajian Kesan Pembalakan Terhadap takungan Wakil dan Waduk Muda/Pedu Kedah, UKM, Bangi, 26-27 Mei, 1998.
 24. Mohd Shahwahid H. O., Chew C.G., **Zulkifli Yusop.** and Baharuddin K. (1998) The on-site cost of soil erosion: theory and application to CameronHighland. Paper presented at Workshop on Forestry Economics and Policy: R&D Towards Achieving Sustainable Forest Management, UPM, Serdang, 10-11 Nov. 1998.

25. **Zulkifli Yusop** (1997) Preliminary results on sediment dynamic in stream channel at Muda/Pedu Experimental Basin. Paper presented at "Bengkel ke III Kajian Kesan Pembalakan Terhadap Takungan Wakil dan Waduk Muda/Pedu, Kedah, UPM, 21-22 April 1997.
26. **Zulkifli Yusop**., Abdul Rahim N. And Baharuddin K. (1997) Nutrient input-output budgets in secondary forest of Bukit Tarek Experimental Watershed. Paper presented at the Fourth Conference on Forestry and Forest Product Research. FRIM, KL. 2-4 October.
27. **Zulkifli Yusop**., Baharuddin K and Abdul Rahim N (1997) Sediment yield from selected catchments in CameronHighland. Paper presented at Workshop on Local Scale Hydrological Processes in Inslands, Highlands and Urban Areas in Malaysia: Needs for Future Direction. Humid Tropics Water Centre for South East Asia and Pacific, IHP (Malaysia) and UNESCO. Kuala Lumpur 12-14 November, 1997.
28. Baharuddin K., Abdul Rahim Nik &**Zulkifli Yusop** (1996) Hasil endapan di kawasan pertanian tanah tinggi. Paper presented at "Seminar dan Bengkel Hidrologi Dataran Tinggi". UTM, KL, 30-31 Julai 1996
29. **Zulkifli Yusop**., Abdul Rahim N. and Baharuddin K. (1995) Improved logging technique for minimising impacts on soil and water. Paper presented at the First Workshop on Logging Impacts Study in Muda/Pedu Catchment, Kedah. UTM, Skudai, Johor Bahru. 23rd January 1995.
30. **Zulkifli Yusop**. & Abdul Rahim N. (1994) Impacts of forest harvesting and conversion on water attributes. Paper presented at Sarawak's Water Resources Conference, Sarawak, 8-10 August 1994.
31. Abdul Rahim N. &**Zulkifli Yusop**. (1994) Environmental Impact Assessment (EIA) Review for forest logging. Paper presented at Workshop on Environmental Impact Assessment in Malaysia- an update. Kuching, Sarawak, 3-5 Feb. 1994.
32. **Zulkifli Yusop**. & Abdul Rahim N. (1994) Nutrient exports from secondary forest catchments of BukitTarekExperimentalForest. Paper presented at *Soil Science Conference* 1994. P.J. 18-19 April 1994.
33. **Zulkifli Yusop**. (1994) Quality of surface water. A note presented at Basic Course in Water Resources Assessment, Johor Bahru, 25-27 July 1994.
34. Abdul Rahim N., **Zulkifli Yusop**. and Baharuddin K. (1991) Watershed management: effects of selective logging. Paper presented at IRPA National Seminar for Fifth Malaysian Plan. Penang, 16-19 December 1991.

Research/Technical Report

1. **Zulkifli Yusop**. (2006) Studies on Evaluation of Logging Impacts on Soil Erosion and Watershed Ecosystem: Results on evapotranspiration and catchment water yield. Eco-frontier Fellowship Program report submitted to the Ministry of Environment, Japan.
2. **Zulkifli Yusop**. (2005) Studies on Evaluation of Logging Impacts on Soil Erosion and Watershed Ecosystem: Results on soil erosion and nutrient losses. Eco-frontier Fellowship Program report submitted to the Ministry of Environment, Japan.
3. **Zulkifli Yusop**., Maketab M., Kamarul Azlan M.N., Fadhilah Y., Zalina D., Chan C.H. and Siti Nazahiyah R. (2005) Quantification and management of watershed cumulative effects. Final Report submitted to MOSTI.

4. **Zulkifli Yusop.** (2004) Studies on Evaluation of Logging Impacts on Soil Erosion and Watershed Ecosystem – Preliminary Results. Eco-frontier Fellowship Program report submitted to the Ministry of Environment, Japan
5. **Zulkifli Yusop.,** Chan Chee Hing & Kamarul Azlan Mohd Nasir (2003) Penentuan kesan penebangan hutan ke atas parameter aliran ribut. Research report submitted to Research Management Centre, UTM. Vot 71628.
6. **Zulkifli Yusop.,** Ting L.F., Zaini U., and U. Kalthom A. (2002) Characterization of natural organic matter for drinking water production. Research report submitted to Research Management Centre, UTM. Vot 71639.
7. Bruce, A., Abdul Rahim, N., Mohd Shahwahid, H.O. Awang Noor A. G. and **Zulkifli Yusop.** (1998) Timber Production versus Watershed Protection In The Humid Tropics: An Overview of the Issues in Malaysia. Environmental Economics Programme Discussion Paper Series. International Institute for Environmental Development, UK.
8. Appanah, S., Shamsuddin I., **Zulkifli Yusop.,** Ismail H., Baharuddin K., Azman, H. and Chong P. F. (1998) “Ulasan mengenai kontrovosi kegiatan pembalakan berhampiran kawasan tadahan air Hutan Simpan Sg. Lalang, Semenyih, Selangor, Darul Ehsan”. Submitted to Ministry of Primary Industries.
9. **Zulkifli Yusop.** (1996) *Nutrient Cycling in Secondary Rain Forest Catchments of Peninsular Malaysia*. PhD. Thesis, University of Manchester.
10. **Zulkifli Yusop.** (1990) Effects of logging on streamwater quality and input-output budgets in small watersheds in Peninsular Malaysia. M.sc Thesis, UPM

Poster Paper

1. **Zulkifli Yusop.** (2006) Studies on evaluation of logging impacts on soil erosion and watershed ecosystem: Results on Evapotranspiration and Water Yield. The Eco-Frontier Fellowship Workshop 2005, Tokyo, Japan, March, 14.
2. **Zulkifli Yusop.** (2005) Studies on evaluation of logging impacts on soil erosion and watershed ecosystem: Results on Soil and Nutrient Loss. The Eco-Frontier Fellowship Workshop 2004, Tokyo, Japan, March
3. **Zulkifli Yusop.,** T. Okuda, M. Hashim, K. Yoshida and S. Numata (2004) Studies on evaluation of logging impacts on soil erosion and watershed ecosystem. The Eco-Frontier Fellowship Workshop 2003, Tokyo, Japan, 3 March.
4. Noguchi, S., Abdul Rahim N., **Zulkifli Yusop,** Baharuddin K, M. Tani, Y. Tsuboyama and T. Sammori (2000) Rainfall-runoff responses to storms at Bukit Tarek Experimental Watershed, Peninsular Malaysia. XXI IUFRO World Congress, Kuala Lumpur, 7-12 August.
5. Tani, M., Abdul Rahim N., **Zulkifli Yusop.,** Y. Ohtani, T. Watanabe and S. Noguchi (2000) Evaluating evapotranspiration and surface conductance of a tropical rainforest in Peninsular Malaysia. XXI IUFRO World Congress, Kuala Lumpur, 7-12 August.

Consultancy Report

1. Study on The Potential of Rainwater Utilisation in Supplementing Water Demand in Industry – In Terms of Quantity & Quality. Submitted to NAHRIM (Nov 2010)
2. Desk Study on River Buffer Zone in Malaysia: Policy, By Laws and Incentives. Submitted to NAHRIM (Sept 2010)
3. Optimization of Rainfall Observation Network on Model Calibration and Application for the Johor, Batu Pahat, and Muar River Basins. Submitted to Department of Irrigation and Drainage of Malaysia (2010)
4. Study on the Performance of Resam (*Dicranopteris linearis*) and Vetiver Grass (*Chrysopogon zizanioides*) for soil protection. For Department of Irrigation and Drainage of Malaysia, (Submitted Oct 2010).
5. Detailed Environmental Impact Assessment (DEIA) for the Proposed Development of Integrated Port at Rantau-Rantau, Federal Territory of Labuan. Submitted to the Department of Environment/Department of Marine Peninsular Malaysia for Marine Department Malaysia (2008)
6. Macro Environmental Impact Assessment for Forest Management Unit (FMU) in Johor. For Johor State Forestry Department, (2008)
7. Rekabentuk Terperinci Sistem Saliran Bandar Senai, Johor Bahru, Johor. For Jabatan Pengairan dan Saliran, Kuala Lumpur, (2008)
8. **Zulkifli Yusop.** (2005) Heavy metals assessment in the SouthEastPahangPeatSwampForest. For UNDP/GEF/FRIM/Forestry Department.
9. **Zulkifli Yusop.** (2005) Water Quality Sampling Design In PeatSwampForest. Technical Note Submitted to UNDP/GEF/FRIM/Forestry Department
10. UTM (2005) LakeStudy. For National Hydraulic Research Institute Malaysia (NAHRIM)
11. UTM (2005) Penilaian pantas kualiti air alam hutan paya gambut. Technical Note submitted to GEF/Forestry Department.
12. Detailed EIA Proposed Development of Ulu Jelai Mixed Pumped Storage Hydroelectric Project. Submitted to TNB Research. (2003)
13. UTM (2003) The study of pollution prevention and water quality improvement of Sungai Tebrau and Sungai Segget. Submitted to the Department of Environment Malaysia.
14. UTM (2002) Laporan penilaian geologi, geoteknik dan hidrologi di persekitaran tadahan Sg Air Hitam Besar Gunung Pulai, Johor Darul Takzim. Consultant report submitted to Johore State Government
15. UTM (2002) Preliminary EIA for the proposed construction and completion of the Research Center for Fresh Water Fish at Glem Lemi, Jelebu, Negeri Sembilan. Submitted to the Department of Environment Malaysia.
16. **Zulkifli Yusop.,** Villy K. and Baharuddin K. (1999) Hydrological characteristics of the NorthSelangorPeatSwampForest. A consultancy report for Malaysia-DANCED Project on Sustainable Management of Peat Swamp Forest.
17. **Zulkifli Yusop.** (1999) Hydrological attributes of the Southeast Pahang Peat Swamp Forest (SEPPSF). A consultancy report for Malaysia-DANCED Project on Sustainable Management of Peat Swamp Forest.
18. **Zulkifli Yusop.** (1998) Hydrological considerations for sustainable management of peat swamp forests in the Klias Peninsula, Sabah. A consultancy report for Wetland International.

19. Abdul Rahim N., **Zulkifli Yusop**. & Baharuddin K (1997) Laporan teknikal cadangan pembalakan di dalam Tadahan Sungai Chereh, Kuantan, Pahang - impak ke atas sumber air (Consultancy report submitted to ASPA).
20. ITTO & FRIM (1994) *Economic case for natural forest management*. Consultant report submitted to International Tropical Timber Organization. 113 pp.
21. FRIM (1990) *Preliminary environmental impact assessment report for Perangin Dairy Farm, Kubang Pasu District, Kedah*. 131 pp.

Module

1. **Zulkifli Yusop**. et al (2005) Module for National River Expedition 2005 for Secondary School.
2. Zulkifli Yusop (2003) Nota Kuliah Hidrologi
3. Zulkili Yusop (2002) Nota Kuliah pengurusan Sumber Air Bersepadu

Article in Newspaper& Magazines

1. Sungai Asset Kehidupan. Utusan Malaysia. 11/04/07
2. Fenomena Ribut dan Kemarau. Utusan Malaysia, 19/02/07
3. Atasi Perosak Alam Sekitar. Utusan Malaysia, 02/03/07
4. **Zulkifli Yusop**. (1991) Pencemaran: mengganggu pengurusan air. *Dewan Masyarakat*. November 1991.

11.0 AWARDS

1. UTM's 2010 excellence service award
2. INATEX 2010
3. Visiting Professor at Lund University, Sweden. January 2009
4. UTM's Publication Award 2006 for International Journal Category
5. UTM's sabbatical program - 1 December 2004 to 31 August 2006
6. Eco-Frontier Fellowship, Ministry of Environment, Japan: 12 December 2005 to 31 March 2006
7. UTM's 2004 Excellence Award for Best Research Group.
8. Eco-Frontier Fellowship, Ministry of Environment, Japan: 18 Jan to 30 March 2005
9. UTM's 2003 excellence service award
10. Eco-Frontier Fellowship, Ministry of Environment, Japan: 4 Jan to 30 March 2004
11. Technical visit grant from the Japanese Society for the Promotion of Science (JSPS) Nov 2001
12. FRIM's Best Publication Award for technical category - 1999 (2nd prize)
13. FRIM's Best Publication Award for Manual and Guidelines Category - 1998 (1st prize)
14. Research Award for Foreign Specialist by Forestry and Forest Products Research Institute, Japan (1998)
15. FRIM's Best Publication Award for technical category – 1994 (1st prize)
16. Japan Science and Technology Agency (STA) Fellowship , February and March 1987

12.0. [SUPERVISION](#)

Master (Completed)

1. Hartini Kassim (2003) Kesan pembalakan ke atas aliran ribut,
2. Adeline N. L. Y (2002) Flood frequency analysis: A comparison between Gumbel and Pearson Type III distribution for Sungai Kelantan
3. Tan Lai Wai (2002) Stormwater quality and pollutant loads of Sungai Pandan, Johor.
4. Chia Yun Lee (2002) Stormwater quality and pollutant loads of Sungai Tampoi, Johor.
5. Nurul Azura Ismail (2005) Aggregation Simulation Model of Flow and Rainfall Series
6. Chan Chee Hing (2005) Modelling watershed cumulative effects on runoff based on major land uses
7. Siti Nazahiyah Rahmat (2005) Non-point source pollution from residential and urban catchments
8. Siti Nurhidayu Abu Bakar (2007) Stormwater quality and pollution loadings from oil palm catchments.
9. Nor Armani Filzah Mohd Kamil (2007) Assessment of sewage treatment system and the resident perception in Taman Ungku Tun Aminah
10. Chong Meng Hui (2008) Comparison of Rainfall Runoff Characteristics and Evapotranspiration in oil palm catchments
11. Nordila Ahmad (2008) Characterization of convective rainfall in Kelang Valley
12. Goh Yee Chai (2011) Optimization of Rainfall Observation Network in Kelang Valley
13. Kharatunissa Mokhtar (2011) Quantification and Modelling of Sediment Loading in Oil Palm Catchment.

Master On-Going:

2 candidates

PhD Completed

1. Siti Aishah Shamsuddin (2011)
2. Chow Ming Fai (2011)

PhD On-going

7 candidates

Undergraduates:

More than 70 theses

PhD Committee/Panel

Junjiro Nageshi (2001-2004) National University of Singapore

13.0 AS EXAMINER

PhD

1. Mohd Harun Abdullah (2001) – FKA, UTM
2. Hassan Basyri Daulay (2002) – FKA, UTM
3. Supiah Shamsuddin (2003) – FKA, UTM
4. Mir Saujul Islam (2009) – Faculty of Science and Technology, UKM.
5. Nor Rohaizah Binti Jamil (2011) – UKM
6. Zaki Zainudin (2011) – Faculty of Chemical Engineering (UTM)

Master

1. Mohd Faizal Tajul Baharuddin (2002) – FKA, UTM
2. Fatmawati Adam (2002) – FKKS, UTM
3. Noraliani Alias (2003) – FKA, UTM
4. Halinawati Hirol (2003) – FKA, UTM
5. Te Shu Harn (2004) – FKKS, UTM
6. Jazrul Nizam Jahaya (2004) – Faculty of Environmental Studies, UPM
7. Salleh Bakar (2004) – USM
8. Mahyun Abdul Wahab (2006) – Faculty of Engineering, USM
9. Fauzi Baharuddin (2007) – Faculty of Engineering, USM
10. Ooi Aik Ta (2008) – Faculty of Environmental Studies UPM
11. Othman Deris (2008) Effects of Forest Harvesting on River Water Quality and Physical Soil Properties in Gunung Benom Forest Reserve, Raub Pahang. UPM
12. Parisa Parvanneh (2010) GIS based modelling of the changes in water level due to flood walls. UPM
13. Roslanzairi Bin Mostapa (2011) – Faculty of Engineering, USM
14. Sazali Osman (2011) – School of civil Engineering USM

14.0 IMPORTANT COURSES ATTENDED

- Water Diplomacy, 13-17 June 2011, Tufts University, **Massachusetts, USA**
- EIA Induction Course, Putrajaya. 13-14 Oct 2010. Organized by the Department of Environment Malaysia
- Workshop on Engineering and Business. 11-12 Oct 2010. Organised by ICC, UTM
- The five disciplines of Innovation, July 2010. Stanford Research Institute and MOHE, Kuala Lumpur
- Training for Trainers (TOT) on Legislation and Institution Arrangements in IWRM, 9-14 July 2007

- Kursus Kaedah Penyeliaan dan Penilaian Pengajian Siswazah, 4&5 April 2005
- PTK6 – 12-28 April 2004
- Proof Reading - 3-5 June 2003
- Critical Thinking – 20 May 2003
- Recent Advances in the Modelling of Extreme Rainfalls and Floods, April 2002
- Seven Habits of Most Successful People, Malacca, 18-20th June 2002
- Academic Management and Advisory – 21-22 June 2001
- Effective Communicative in Learning – 25 September 2000
- Scientific Writing, UTM 28-29 March 2000
- Course in MS ISO9000, FRIM, 17-22/11/1997.
- Course on Partnering to Commercialize Research. FRIM/ATRO Associates. April 1997
- Training Workshop on the Valuation of Non-Timber Forest Goods and Services. Malaysia-UK Forest Biodiversity Management Program. JPSM/UPE/MOSTE, Kepong, KL. 27/11-3/12/1994
- Forestry Research and Management Course, FRIM/FAO/GTZ, 15-27 February 1993.
- Pembangunan Insan dalam Kecemerlangan Penyelidikan. FRIM. Tanjung Bidara, Melaka, 1-4 March 1992
- Training Course on Effective Writing Skills, GTZ/FRIM, Genting Highland, 28-30 November 1988.
- Short Course on Water Resource Engineering. UKM. 12/6-1/7/1988.
- Training Course on Hydrology and Plant Physiology. Forestry and Forestry and Forest Product Research Institute, Tsukuba Japan. Feb. 1986
- Water Resources Assessment. IHP/UTM. July 1985

15 INVITED SPEAKER/KEYNOTE/TV

- 14 Dec 2011 Science and Technology Needs for Sustainable Water Resources Management in Malaysia. Training Course for Researchers in Islamic Countries. Akademi Sains Malaysia.
- 28 Apr 2011 River Rehabilitation: A Case Study for Sungai Senai, Johor. International Erosion Control Association (IECA), Kuala Lumpur.
- 6 Apr 2011 Climate Change: Threats to Operators, Water Malaysia Conference and Exhibition, Kuala Lumpur. Malaysia Water Association
- 16 Feb 2011 Challenges and opportunities in water sector in Malaysia. Water@UTM, Kuala Lumpur
- 2 Dec 2010 Catchment wide approach for effective control of river pollution. Labuan, Sabah. Organised by LESTARI UKM, UNESCO-IHP
- 2 Dec 2010 Safe water, Healthy life and future challenges. 2 Dec 2010, National Institute of Occupational Safety and Health (NIOSH)
- 1-2 Nov 2010 Workshop on Developing capacity of Government Officers for the Practical Implementation of Integrated Water resources Management. UKM, Bangi.
- 23 Jun 2010 World Championship for Clean River. Persidangan Kebangsaan Hidrologi Alam Sekitar. 23&24 Jun 2010, UTHM
- 18 May 2010 Workshop on River Buffer Zone Management in Malaysia.

- NAHRIM, Serdang
- 1 Mac 2010 Pre Conference Workshop on water Management Issues and Application of River Quality Modelling in Integrated Catchment Management. 1 march 200. IWA/MWA/UTM
 - 4 Feb 2010 Pengurusan Air Secara Mampan Dalam Konteks Penerokaan Sumber Air Alternatif dan Keseimbangan Alam Sekitar. Simposium Pengurusan air Mampan – Mendepani Krisis Bekalan Air. Majlis Professional Air dan Teknologi Hijau.
 - Dec 2009 Asas Fiqh untuk mengukuhkan pelestarian alam sekitar, Johor Bahru
 - 2 Nov 2009 Non-Point Source Pollution: Time for Stronger Actions. Simposium Pengurusan & Pengauditan Industri Air, Shah Alam 2-3 Nov . Jabatan Aidit Negara
 - 12 Nov 2009 National Utilities Summit 2009. Title: Catchment Wide Approach for Sustaining Water Resources organised by ASLI
 - 12 Oct 2009 Malaysia Hari ini, TV3
 - May 2009 River rehabilitation. Malaysia Water Conference, KL
 - Feb 2008 International Seminar on Climate Variability, Change and Extreme Weather Events – Towards Enhancing Scientific Understanding of Climate Variability and Climate Change in Maritime Continent, 26-27 February 2008, Bangi
 - 18 Dec 2007 Panel Hujah Program TV9
 - 13 Nov 2007 Integrated Water Resources Management. Water Management Courses Organised by Badan Kawal Selia Air, Johor
 - 10 Sept 2007 Penipisan Ozon: Risiko kepada manusia dan bumi. Kuching, Sarawak. Invited by the Department of Environment.
 - 17 August 2007 Pengurusan Sumber Air Mapan. Invited by the Department of Irrigation and Drainage in Conjunction with Water Awareness Camp.
 - 27 June 2007 River rehabilitation –case study for Sg. Segget and Tebrau. Short course for staff of the Department of Environment
 - 28 June 2007 Integrated River Basin Management. Short course for staff of the Department of Environment
 - 12 April 2007 Pengurusan Air Secara Mapan; Realiti dan Cabaran. Kem Kesedaran Pengurusan Air. Kuala Terengganu
 - 5 April 2007 River Rehabilitation in Wilayah Pembangunan Iskandar – the Way Forward. Presented to Management of United Engineering Malaysia. Kuala Lumpur.
 - 22 March 2007 Panel, Forum Perdana Pesta Konvo UTM ke 38
 - 13-14 March 2007 Workshop on Innovative Approaches for Sustainable Water Resources Management, Kuala Lumpur
 - 25 Sept 2006 Presentation at Drainage and Irrigation Department on Man-made wetlands
 - 7 Feb 2006 Upscaling Hydrological Impacts from point to regional scale. National Institute for Environmental Studies, Tsukuba, Japan
 - 7 Dec 2005 Reviewing Journal Article: Editor's Experience. Workshop on Reviewing Journal Article, Pulau Spring, Johor

- Oct 2005 Preparation of Macro-EIA for Forestry. Presentation at Pahang Forestry Department
- 9&10 August 2005 Lake Classification & Non-Point Source Control at Training Course on Lake Management, UTM KL.
- May 2005 Non-Point Sources Control. At River Rehabilitation Course at ITS, Surabaya, Indonesia
- 19-20 April 2005 Hydrology and Non-point sources pollution at Specialized Workshop on River Rehabilitation. BATC, KL
- 11&12 May 2004 Hydrological consideration for Best Management Practices (BMP) in forestry and plantation. At FELDA Research, Sg Tekam Pahang
- 6-7 Dec 2004 Integrated Water Resources Management Courses. International Hydrology Program (Malaysia) at UTM, KL
- 14 Oct 2004 Pengurusan Sumber Air Secara Mampan. Seminar Pengurusan Air peringkat Sekolah at Sekolah Menengah Aminudin Baki, KL
- May 2004 Statistical Tool for Master and PhD Research. Facilitator SLAB, FKA, UTM
- 24 March 2003 Introduction to water quality modeling – UTM, KL
- March 2002 Application of Evapotranspiration Models. At Intensive Course in Hydrology, UTM, JB
- 25-30 March 2002 Intensive Course in Hydrology, International Hydrology Program (Malaysia)
- 18 Oct 2001 Nutrient Cycle in Forested Catchment. At Kyoto University, Department of Environmental Engineering
- Nov 1999 Hydrological impacts of upstream activities on catchment management. IPASSA Colloquium.
- Dec 1999 Hutan dan Sumber Air. Ceramah kesedaran kepada kelab rekreasi Johor
- 1999 One Day Seminar on Environment, University of Malaya
- 22-27 Jun 1998 Kursus Pencegahan Kebakaran Hutan
- Sept 1998 Recent Trend in Forest Hydrological Research in the Tropics. Forestry and Forest Product Research Institute, Tsukuba, Japan.
- April 1997 Tetamu TV3, Selamat Pagi Malaysia.