

CURRICULUM VITAE

A. BUTIR-BUTIR PERIBADI (<i>Personal Details</i>)			
Nama Penuh (<i>Full Name</i>)	SITI NURHIDAYU ABU BAKAR		Gelaran (<i>Title</i>): DR.
Warganegara (<i>Citizenship</i>) MALAYSIA	Bangsa (<i>Race</i>) MALAY	Jantina (<i>Gender</i>) FEMALE	
Jawatan (<i>Designation</i>)	SENIOR LECTURER	Tarikh Lahir (<i>Date of Birth</i>)	DECEMBER 16, 1981

Jabatan/Fakulti (<i>Department/Faculty</i>)	E-mel dan URL (<i>E-mail Address and URL</i>)
Department of Forest Management, Faculty of Forestry, Universiti Putra Malaysia 43400 UPM Serdang, Selangor, Malaysia Tel: +603-89471379 Fax: +603-89432514	E-mail: sitinurhidayu@upm.edu.my / sitinurhidayu@gmail.com URL: www.forr.upm.edu.my H/P: +6011-33502559

B. KELAYAKAN AKADEMIK (<i>Academic Qualification</i>)			
Ph.D	Lancaster University, UK	2012	Forest Hydrology
M.Eng.	Universiti Teknologi Malaysia Skudai, Johor	2005-2007	(Civil Engineering-Hydrology)
B.Eng. (Hons.)	Universiti Teknologi Malaysia Skudai, Johor	1999-2003	(Civil Engineering)

E. PEKERJAAN (<i>Employment</i>)				
Majikan / <i>Employer</i>	Jawatan / <i>Designation</i>	Jabatan / <i>Department</i>	Tarikh lantikan / <i>Start Date</i>	Tarikh tamat / <i>Date Ended</i>
Faculty of Forestry, UPM	Senior Lecturer	Fakulti Perhutanan	2012	-
Lancaster University, UK	Demonstrator	Lancaster Environment Centre	2009	2009
Faculty of Forestry, UPM	Tutor	Fakulti Perhutanan	2006	2012

G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)

a. Journal

No.	Name of Writers	Year Published	Title	Name of Journal	Volume Number	Page Number
1	Faizalhakim, M., Nurhidayu, S., Shamsuddin, I., Hakeem, KR., Ismail A. & Norizah, K. (Accepted).	2016	Runoff Potential Simulation based on rainfall intensity and land use change for Kelantan River Basin.	American Journal of Environmental Science.	-	-
3.	Sulai, P., Nurhidayu, S., Aziz, N., Zakaria, M., Barclay, H. & Azhar, B.	2015	Effects of historical land cover and water quality in oil palm waterways on tropical waterbirds.	Ecological Research.	30	941-949
4.	Azhar, B., Saadun, N., Puan, C. L., Kamarudin, N., Aziz, N., Nurhidayu, S., & Fischer, J.	2015	Promoting landscape heterogeneity to improve the biodiversity benefits of certified palm oil production: Evidence from Peninsular Malaysia.	Global Ecology and Conservation.	3	553-561.

b. Proceedings

No.	Name of Writers	Year Published	Title	Name of Proceeding	Page Number / ISBN
1.	Faizalhakim, A.S., Nurhidayu, S., Norizah, K., Shamsuddin, I., Hakeem, K.R. & Ismail, A.	2016	Curve number determination for Kelantan River Basin	Proceedings of the International Conference on Sustainable Forest Development in view of Climate Change (SFDCC2016) 8-11th August 2016, Hotel Bangi, Putrajaya, Malaysia	73-76
2.	Faizalhakim, M., Nurhidayu, S., Shamsuddin, I., Hakeem, KR., Ismail A. & Norizah, K.	2015	Runoff Estimation Using SCS CN Method For Kelantan River Basin.	Conference on Water Resource. 24 November – 25 November 2015. Bayview Hotel, Langkawi, Kedah, Malaysia.	141-151
3.	Nik Harun, NZ., Nurhidayu, S., Faizalhakim, M., Seca, G., Roslan, M. & Ismail A.	2015	Water Quality Characteristics In Different Mangrove Disturbance Levels, Matang Mangrove Forest Reserve, Peninsular Malaysia.	Conference on Water Resource. 24 November – 25 November 2015. Bayview Hotel, Langkawi, Kedah, Malaysia.	718-731

4.	Nurhidayu, S., Azhar, M. and Shafuan, M. F.	2015.	Long-Term Sediment Pattern of the Selangor River Basin, Malaysia Impacted by Land-Use and Climate Changes.	36th International Association Hydro-Environment Engineering and Research World Congress. 28 June – 3 July 2015. Delft, The Hague, the Netherlands	ISBN 978-90-824846-1
5.	Nurhidayu, S., Adoh, N., Yip, H. W., Shafuan, M. F., and Ghani, A. N.	2015	Flood Occurrence in Relation to Climate Cycles in Kota Marudu District, Sabah.	36th International Association Hydro-Environment Engineering and Research World Congress. 28 June – 3 July 2015. Delft, The Hague, the Netherlands	ISBN 978-90-824846-1
6.	Nurhidayu, S., Chappell, N. A. and Tych, W.	2014.	Use of UC-DHR model to identify sediment recovery following tropical selective logging given the effect of climate dynamics and data gaps.	Proceedings of Asia-Pacific Workshop on Water and Forests-Beyond Traditional Forest Hydrology, 23-25th September 2013, Forest Research Institute, Dehradun, India.	183-187
7.	Siti Aisah, S., Yusop, Z., Noguchi, S., Marryanna, L., Nurhidayu, S. and Abd Rahman, K.	2014	Influence of Hopea odorata forest plantation establishment on the water yield of small forested catchment in Peninsular Malaysia.	Proceedings of Asia-Pacific Workshop on Water and Forests-Beyond Traditional Forest Hydrology, 23-25th September 2013, Forest Research Institute, Dehradun, India.	25-27
8.	Nor Laili Ibrahim, Mohamed Zakaria, Norman Kamarudin, Chong Leong Puan, Siti Nurhidayu Abu Bakar and Badrul Azhar.	2016	Can birds minimize crop damages caused by insect herbivores in oil palm agro-ecosystems?	Malaysia International Biological Symposium 2014 28th-29th October 2014 Putrajaya, Malaysia	34-37
9.	Lai, F. S., Halis, R., Nurhidayu, S., Ramachandran, S. and Puan, C. L.	2013		Editors. Proceedings of the International Forestry Graduate Students' Conference, 2-4 July 2013, Kuala Lumpur	188-192
10.	Afendy, M., Nurhidayu, S., Azhar, B., Sulai, P. and Shamsuddin, S.A.	2013	An investigation on water quality of water quality of water course in oil palm smallholdings converted from peat swamp and mangrove forests.	Proceedings of the International Forestry Graduate Students' Conference, 2-4 July 2013, Kuala Lumpur.	188-192
11.	Sulai, P., Azhar, B., Nurhidayu, S., Afendy, M. and Shamsuddin, S. A.	2013	An investigation on water birds and their relation with flood-control drain water quality in oil palm smallholdings.	Proceedings of the International Forestry Graduate Students' Conference, 2-4 4 July 2013, Kuala Lumpur.	36-40

12.	Nurhidayu, S., and Chappell, N. A.	2013	Long-term sediment recovery from a managed tropical forest catchment in Danum Valley, Sabah.	Proceedings of the Seminar on Long-term Ecological Research in East Asia Pacific Region (EAP-LTER). 4-5th July 2012. Kuala Lumpur.	13-20
13.	Chappell, N. A., Bidin, K., Thang, H. C., Douglas, I., Sinun, W., Walsh, R. P. D., Nurhidayu, S., and Hanapi J.	2008	Malaysian forestry guidelines for mitigating water quality impacts in rainforests: implications from 20 years of local hydrological science.	Proceedings of 10th BHS National Hydrology Symposium: Sustainable Hydrology for the 21st Century, Exeter, UK.	-
14.	Yusop, Z., Chong, M. H, Nurhidayu, S., Mohamed, M. and Mohd. Nasir, K. A. and Nik, A. R.	2007	Hydrological Quantification of Oil Palm Catchments for An Improved Streamflow Modelling.	Project Report. Faculty of Civil Engineering, Universiti Teknologi Malaysia, Skudai, Johor	-
15.	Nurhidayu, S. and Yusop, Z.	2007	Stormwater quality behaviours in oil palm catchment.	Proceeding of Research Colloquium, Faculty of Forestry, UPM on 26th-28th June 2007.	78-81
16.	Nurhidayu, S. and Yusop, Z.	2005	Stormwater quality and non-point source pollution loadings from oil palm catchments.	Proceedings of Seminar Kebangsaan Pengurusan Persekitaran ke 4, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia on 4-5th July 2005	99-108
17.	Nurhidayu, S. and Yusop, Z.	2005	Water quality from oil palm catchments.	Proceedings of International Scientific Congress (ISC), Putra World Trade Centre, Kuala Lumpur.	205-212

c. Books

No.	Name of Writers	Year	Title	Publisher	ISBN	Page No.
1.	Tuan Ibrahim, T.M., Shahwahid, M.O., Abdul Aziz, Y., Nurhidayu, S., Ashhari, Z.M., Kamaruddin, N., Farah, M.S.	2015	Cost-benefit analysis of ecological corridor BelumTemenggur Forest Complex (BTFC) in Gerik, Perak	Forestry Department Peninsular Malaysia	ISBN 978-967-0539-24-9	

H. PROJEK PENYELIDIKAN TERDAHULU (Past Research Project)

Project No.	Project Title	Role	Year	Source of fund	Status
6387500	Asia-Pacific Forest Adaptation to Climate Change (Malaysia) Phase II	Project Leader	2016-2019	APFNet, University of British Columbia, Canada	On-going
9503500	Hydrology and Water Quality Impacts of Human Disturbance in Matang Mangrove Forest	Project Leader	2016-2018	UPM	On-going

	Reserve				
UPM-IPB-9441202	Determination Of Water And Sediment Quality Standards For Benchmarking Mangrove Ecosystem Health In Matang Mangrove Forest Reserve, Perak.	Researcher	2015-2017	UPM	On-going
MPOB	A study on Insectivorous Bird Populations in Oil Palm Plantations – Potential Biological Control Agent of Bagworms	Researcher	2013-2016	Malaysian Palm Oil Board	On-going
FRGS- 5524694	Flood occurrence reduction measures based on runoff estimation using SCS-CN in Kelantan River Basin	Project Leader	2015-2016	UPM	Completed
UPM-IPM-9402800	Hydrological Changes in Relation to Climate and Land Use in Klang Valley	Project Leader	2013-2015	UPM	Completed
E-Science Fund-(04-01-04-SF1100)	Economic Valuation of Mangrove Forest and Its Implications to Coastal Community	Researcher	2011-2014	Ministry of Science and Technology	Completed
MOSTI-IRPA-Vot 74237-	Hydrological Quantification of Oil Palm Catchment for an Improved Streamflow Modelling	RA/Masters Student	2004-2006	Ministry of Science and Technology	Completed
MOSTI-IRPA-74026	Quantification and Management of Cumulative Watershed Effects	RA/Masters Student	2002-2004	Ministry of Science and Technology	Completed

H. CONSULTATION (Perundingan)				
<i>Organizations</i>	<i>Project Title</i>	<i>Role/ Task</i>	<i>Year</i>	<i>Status</i>
Humid Tropics Center-UNESCO	Hydrological Quantification from Forest and Oil Palm Agriculture Catchment within Langat-HELP River Basin	Main Consultant	April 2015 to April 2016	Completed
Veolia Water JV Hatimuda	Biodiversity Assessment of Sungai Terip Water Treatment Plant, Negeri Sembilan	Consultant	January-June 2014	Completed.
Jabatan Perhutanan Semenanjung Malaysia	Cost-Benefit Analysis of the Ecological Corridor in Central Forest Spine (CFS), Gerik, Perak	Consultant	August-December 2013	Completed

Supervision for Internship

Name	Topic	Supervisory committee	Session
------	-------	-----------------------	---------

Mohd Arifullah	Rainfall-runoff relationship and it's quality variability in an isolated forest and oil palm catchments	Main sv	Completed
Mohd Imran Faiz	Ground water recharge comparison between isolated forest and oil palm plantations catchments	Main sv	Completed

Supervision for B.Sc. Theses

Name	Topic	Supervisory committee	Session
Muhamad Asyraf Zainul	Ulu Muda Reservoir Water Level in relation to Logging in Ulu Muda Catchment	Main sv	On-going
Nur Farrah Marhein	Long term rainfall and temperature changes in relation to land cover	Main sv	On-going
Nik Harun Nik Rasyid	Soil moisture and soil compaction relationship on different oil palm stand ages	Main sv	Completed
Siti Nurfaezah Ahamad	Hydrological changes following land use conversion in Tanjung Karang, Selangor	Main sv	Completed
Azhar Muhammad	Long-term sediment data analysis in Tanjung Karang and Rasa catchments related to land use and climate changes	Main sv	Completed
Amanie Husna	Aquatic insects and water quality relationship in oil palm smallholdings	Main sv	Completed
Nancy Anak Adoh	Flood frequency analysis of Kota Marudu, Sabah	Main sv	Completed
Mohammad Faizalhakim Ahmad Shafuan	Soil moisture variability in relation to distance to drains in oil palm smallholdings	Main sv	Completed
Debbie Anak Injan	Sediment data analysis and comparison between Keroh Catchment and Ayer Hitam FR, Klang Valley	Main sv	Completed
Mohamad Hafizz Dzulkipli	Hydrological comparison between Keroh Catchment and Ayer Hitam FR, Klang Valley	Main sv	Completed

Supervision for MSc Theses

Name	Topic	Supervisory committee	Session
Norsyuhada Abdollah	Optimum Land Usage in Sungai Selangor Reservoir Catchment	Main-sv	On-going
Siti Fatimah Nordin	Water Consumption of National Economical Crop using CROPWAT	Main-sv	On-going
Mohd Husba bin Isa	Hydrology processes in an undulating undisturbed limestone forest, Noth Peninsular Malaysia, partly funded by Penarak Nature Institute	Main-sv	On-going
Mohammad Faizalhakim Ahmad Safuan	Runoff estimation using SCS-CN in Kelantan River Basin, partly funded by FRGS Grant	Main-sv	On-going
Nik Harun Al-Rashid Nik Zaidin	Hydrological Quality Index Development for Different Mangrove Disturbance Levels, partly funded by UPM-IBP Grant	Main-sv	On-going
Mohd. Afendy Abd. Rahman	Storm water quality characterisation in oil palm smallholdings, funded by UPM	Main-sv	On-going
Petra Sulai	Water birds and water quality in oil palm smallholdings, funded by JPA, Malaysia	Co-sv	On-going
Onwuka Martins	Feeding Behaviors of Lesser Whistling Duck	Co-sv	On-going

Chukwuemeka	<i>(Dendrocygna javanica)</i> in Paya Indah Wetland, Malaysia		
-------------	---	--	--

Supervision for Ph.D. Theses

Name	Topic	Supervisory committee	Session
Norlaili Ibrahim	Insectivorous bird populations in oil palm plantations, funded by MPOB	Co-sv	On-going
Ishak Muhammad	Aquatic insects and water quality relationship in oil palm smallholdings within Tanjung Karang, Selangor, funded by JPA	Co-sv	On-going