



PERSONAL DETAILS

Name : Assoc. Prof. Dr. Ani bin Shabri
Gender : Male
Date of Birth : 1st March 1969
Nationality : Malaysian
Marital Status : Married

Home Address : 2 Jln PE 2/8 Taman Pulai Emas
Sri Pulai JOHOR.

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ACADEMIC QUALIFICATION

Year : Ph.D. (2003-2007)
Universiti Kebangsaan Malaysia

Year : M.Sc. (1993-1995)
Universiti Teknologi Malaysia

Year : B. Sc. (1987 – 1992)
Universiti Teknologi Malaysia

AWARD AND HONORS RECEIVED

Date : **Awards/Achievement**

- i) Dec 2014 - Best UTM Fundamental Research Project,
Ministry of Higher Education Malaysia

- ii) Received Anugerah Cemerlang dalam Perkhidmatan (Cuti Belajar) year 2007
- iii) Hadiah Sagu Hati bagi kategori "Tesis PhD Terbaik 2007 " Anjuran PERSAMA
- iv) 2 Hadiah Saguhati Bagi kategori Jurnal Kebangsaan Terbaik 2007."Anjuran PERSAMA".
- v) Anugerah Pencapaian Cemerlang Perkhidmatan, UTM 2010.
- vi) Anugerah Penerbitan Fainilis, Anugerah Penulisan Jurnal Berindek, 2013.
- vii) Anugerah "*Pensyarah Paling Aktif Dalam Penggunaan e-Pembelajaran di Universiti Teknologi Malaysia*" oleh CENTRE FOR TEACHING AND LEARNING (CTL), Semester 1 sesi 2012-2013.
- viii) Penghargaan Anugerah PERSAMA Tahun 2010: Kategori Makalah Ilmiah "On Selection of Probability Distribution of Annual Maximum Daily Rainfalls using TL-Moments".

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Date	Positions/Employer
	i) 1 Jan 2007 – Member of Persatuan Sains Matematik Malaysia (PERSAMA)
	ii) 2017-Member of IAENG International Association of Engineers

ADMINISTRATIVE EXPERIENCE

Faculty Level

Date	Positions/Employer
	i) 1 Jan 2011-December 2013 Appointment as Head of Computer Lab, Sciece Faculty
	ii) 1 Jan 203-Dec 2013-Pengerusi Jawatankuasa Teknologi Maklumat

- iii) 29 Oct 2013-31 Dec 2014-Ahli Jawatankuasa Penilai Teknikal Fakulti Sains.
- iv) 1 Jan 2012-31 Dec 2012-AJK OSHE
- v) 25 Jan 2010-31 Dec 2011-AJK Seminar dan Bengkel
- vi) 1 Jan 2010-31 Dec 2011-AJK Forum Matematik
- vii) 1 Jan 2013-30 Jun 2013-AJK OSHE
- viii) 24 Jun 2010-31 Dec 2011 AJK Pengajian Siswazah
- ix) 1 Jan 2010- Kini Penasihat Akademik
- x) 1 Jan 2010-31 Dec 2011 AJK Projek Sarjana Muda
- xi) 26 Aug 2013-31 Dec. 2013-AJK Teknikal Komputer Pelayan (SERVER) dan Rangkaian (Networking)

OTHERS EXPERIENCE

NATIONAL APPOINTMENT/COMMITTEE

- i) Pengubal Soalan Peperiksaan Program Kerjasama Akademik – 17 October 2003-Pakar Rujuk
- ii) Penilai Jurnal Teknologi-19 Dec. 2011
- iii) Penilai Jurnal PERTANIKA-9 May 2012
- iv) Penilai Jurnal MATEMATIKA-22 Aug 2013/4 Dec 2013/22 Ogos 2013/14 Mac 2013/30 Nov 2012/21 Oct 2011/7 Jun 2010/8 Feb 2010/16 July 2009.
- v) Penilai Jurnal Malaysian Journal of Fundamental & Applied Sciences -4 Dec 2013
- vi) Penilai Jurnal Sains Malaysiana -13 Jan 2012/26 April 2012/
- vii) Panel Penilai Proposal FRGS 2/2009 Water – 19/2/2010

INTERNATIONAL APPOINTMENT/COMMITTEE

Reviews of International Journals

No	Year	Journal	Title	IF
1	2011	Theoretical and Applied Climatology	Modeling the distribution of annual maximum rainfall	2.64
2	2011	Theoretical and Applied Climatology	Application of SOM in Missing Daily Rainfall	2.64
3	2014	International Journal of Hydrology Science and Technology	Integrating synthetic flood data for selection of regional frequency distribution	0.40
4	2014	Modern Applied Science	Temporal Dynamics of Trend in Relative Humidity	0.24
5	2014	British Journal of Mathematics & Computing Sciences	Forecasting of Exchange Rate Volatility	Scopus
6	2015	Simulation and Computation	A Comparison Of L,Lq,Tlmoment and Maximum Likelihood Estimator	0.311
7		Jurnal Teknologi	Improved Performance Of Mcusum Control Chart With Autocorrelation	scopus
8		Applied Mathematical	International Journal of Hydrology Science	

		Sciences	and Technology	
9	2016	Hydrological Sciences Journal	Medium and longterm streamflow forecasting	2.182
10	2016	Science China Technological Science	Streamflow forecasting of Astor River	1.719
11	2016	SpringerPlus	An approach using ensemble empirical mode decomposition	0.982
12	2016	SpringerPlus	A Hybrid WaveletRBFNN Model for Monthly Taoer River Streamflow	0.982
13	2016	Advances in Meteorology	Regional Frequency Analysis of Extremes Precipitation	scopus
14	2016	Theoretical and Applied Climatology	Regional Intensity-Frequency Analysis	2.64
15	2016	Theoretical and Applied Climatology	Regional frequency analysis for maximum consecutive	2.64
16	2016	Journal of Applied Statistics.	Dynamic Data Sampling Approach by Using Price Distribution of Crude Palm Oil	0.417
17	2016	Neural Computing and Applications	A novel hybrid neural network based on PSR	2.505
18	2016	Neural Computing and Applications	Multi-step monthly streamflow forecasting	2.505
19	2017	Advances in Meteorology	Regional Flood Frequency Analysis of Different Barrages	scopus
20	2017	Advances in Meteorology	Regional Frequency Analysis of Extremes Precipitation using LMoments	scopus
21	2017	Journal of Testing and Evaluation	Tourism Demand Forecasting Based on A Hybrid	0.644
22	2017	Theoretical and Applied Climatology	Application of distributionfree Nonstationary RFA	2.64
23	2017	Neurocomputing	A hybrid modeling method based on AR model and deep learning for time series f	3.317
24	2017	Journal of Testing and Evaluation	Tourism Demand Forecasting Based on A Hybrid Model of EMD and ELM	0.389
25	2017	Journal of Hydrology	Neuro-fuzzy modeling for the hydrological time series of floods of river indus of Pakistan	3.483
26	2017	Applied Soft Computing	Comparison of Wavelet-Machine Learning and Wavelet-Multiple Linear Regression Methods for Estimating Daily Soil Temperature	3.541

RESEARCH ACTIVITIES

RESEARCH PROJECT UNDERTAKEN

- Date : **Project Leader/Project Member**
- i) Project Leader, An Improved Method of Identifying Homogeneous Regions for Regional Frequency Analysis Based on the Self-Organizing Map RM 20 000.00. GUP (Vot 77219), Nov. 2009- May 2011.
 - ii) Project Member, The Development Of Clustering System For Rice Yield Prediction Precision Farming Using Machine Learning Techniques Budget approved RM180 770.00. E-Science Fund (Vot-74386), Jan 2009- Jan 2011.
 - iii) Project Leader, Regional Probability Distribution Type of Peninsular Malaysia Annual Streamflow by PL-Moments Approach. RM 40 000.00. GUP (Vot 7126). July 2011-Jun 2013.
 - iv) Project Member, Development of Pedotransfer Functions For Malaysian Soils Budget approved RM30 000. UTM GRANT (Vot-7126), Nov 2011-Dec 2012
 - v) Project Member, Crude Oil Forecasting With An Improved Model Based On Wavelet Transform And GMDH approved RM20 000.00. UTM GRANT (Vot00K45), Jun 2013-May 2014.

FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS FUND)

- Date : **Project Leader/Project Member**
- i) Project Leader, Regional Flood Frequency Analysis using TL-Moments, (Vot-78264), Budget approved RM 59,000. July 2011-Jun 2013.
 - ii) Project Member, Permodelan Neural Network dalam Peramalan Pertumbuhan Ekonomi Negara Pendapatan Tinggi. RM 29 000 (Vot 7126). Aug 2011-July 2013.
 - iii) Project Leader, Topological Kriging and canonical correlation analysis for design flood prediction in ungauged catchments. RM 70 000.00, (Vot-4F275), Dec 2013-Nov 2015.
 - v) Project Member, A New Hybridization Of Group Method Of Data Handling Method (Gmdh) Model For Time Series Forecasting RM 71000.00 (Vot. 4F399), Dec 2013-Nov. 2015.

- v) Project Leader, Non-Stationary Flood Frequency Analysis In Peninsular Malaysia Using L-Moment Method. RM117200 (Vot 4F681), Jan 2015-Julai 2017.
- vi) Project Member, A New Improved Model of Least Squares Support Vector Machine for Time Series Forecasting. RM64500 (Vot 4F875), Ogos 2016-Julai 2018.

TEACHING ACTIVITIES

Semester	Sem	Subject Code	Subject	Credit Hour	Total
2001/2002	1	BSM3103	NUMERICAL ANALYSIS	3	60
		SSE2193	ENGINEERING STATISTIK	3	60
2001/2002	2	BSM3203	NUMERICAL ANALYSIS	3	60
2002/2003	1	SSE2193	ENGINEERING STATISTIC	3	60
		SSE2193	ENGINEERING STATISTIC	3	60
		SSE2193	ENGINEERING STATISTIC	3	60
2003/2004	1	SSE2193	ENGINEERING STATISTIC	3	60
		SSE2193	ENGINEERING STATISTIC	3	60
		SSE2193	ENGINEERING STATISTIC	3	60
2007/2008	2	SSE2193	ENGINEERING STATISTIC	3	60
		SSE1793	PERSAMAAN TERBITAN	3	60
2008/2009	2	SSE2193	ENGINEERING STATISTIC	3	79
	2	MSM1463	TIME SERIES	3	30
2009/2010	1	SSE2193	ENGINEERING STATISTIC	3	49
		SSE2193	ENGINEERING STATISTIC	3	53
		SSE2193	ENGINEERING STATISTIC	3	45
2009/2010		SSH3113	TIME SERIES	3	13
2010/2011	1	SSE2193	ENGINEERING STATISTIC	3	51
		MSM1463	TIME SERIES	3	15
		SSU3904	PENYELIAAN PSM	4	4
2010/2011	2	SSH3113	TIME SERIES	3	61
		SSE2193	ENGINEERING STATISTIC	3	30
2011/2012	1	SSH1303	LITERASI KOMPUTER	3	31
		SSH1303	LITERASI KOMPUTER	3	32
		MSM1463	SIRI MASA	3	30
2011/2012	2	SSH3113	TIME SERIES	3	22
		SSU3904	PENYELIAAN PSM	4	5
		SSE2193	ENGINEERING STATISTIC	3	37
2012/2013	1	SSH1113	STATISTIC	3	46
2013/2014	1	SSH3113	TIME SERIES	3	54

		MSM1463	TIME SERIES	3	12
		SSU4902	PENYELIAAN PSM	2	2
2013/2014	2	SSE2193	ENGINEERING STATISTIC	3	74
		SSE2193	ENGINEERING STATISTIC	3	38
2014/2015	1	SSH3113	TIME SERIES	3	60
		MSM1463	TIME SERIES	3	3
2015/2016		MSM1463	TIME SERIES	3	3
2016/2017		SSCE2193	ENGINEERING STATISTIC	3	45
2017/2018		SSCE1693	ENGINEERING MATH	3	68
		SSCM4163	TIME SERIES	3	40

SUPERVISION

PhD Student

Year	No.	Name	Status	Title	Roles of Supervision
2013	1	Zaharatul bt Amani (Malaysia)	Graduated	Regional flood frequency analysis using PL-moment method	Main Supervisor
2013	2	Wan Nur Syahidah Bt Wan Yusoff (Malaysia)	Graduated	A New Covariance Structure Stability Test Based on Vector-Variance	Co-Supervisor
2015	3	Shuhaida bt Ismail (Malaysia)	Graduated	River Flow Forecasting Using Artificial Intelligent Models	Main Supervisor
2015	4	Rana Abdullah Ahmed (Iraq)	Graduated	A hybrid of EMD and ARIMA-GARCH model in crude oil time series forecasting	Main Supervisor
2016	5	Siraj Pandhiani (Pakistan)	Graduated	River flow time Series forecasting using LSSVM and Wavelet Model	Main Supervisor
2017	6	Basri Badyalina (Malaysia)	Graduated	Flood frequency analysis at ungauged sites using GMDH model	Main Supervisor
2014	7	Siti Sarah Bt Abadan (Malaysia)		Money Currency Forecasting	Main Supervisor
2014	8	Mohd Helmie bin Hamid (Malaysia)	Ongoing 2014-2017	Tourism forecasting	Main Supervisor
2015	9	Mohd Fahmi Bin Abdul Hamid	Ongoing 2014-2017	Palm oil forecasting	Main Supervisor
2014	10	Muhamad Aamir	Ongoing	Forecasting	Main

		Khan (Pakistan)	2014-2017		Supervisor
2015	11	Nu Amalina bt Mat Jan	2015-2018 Ongoing	Nonstationary RFA	Main Supervisor
2016	12	Muhammad Fadhil bin Marsani	Ongoing 2016-2019	Nonstationary KLSI	Main Supervisor
2016	13	Rafidah Ali	Ongoing 2016-2019	Tourism forecasting	Main Supervisor
2017	14	Mohamad Alfa (Nigeria)	Ongoing 2017-2020	Drought Forecasting	Main Supervisor

MSc. Student (RESEARCH)

Year	No.	Name	Status	Title	Type	Roles of Supervision
2011	1	Shuhaida bt Ismail (Malaysia)	Graduated	Self Organizing Map and Least Square Support Vector Machine Method for River Flow Modelling	Reseach	Main Supervisor
	2	Ummi Nadiah bt Ahmad (Malaysia)	Graduated	Flood Frequency Analysis using TL-moment approach	Reseach	Main Supervisor
	3	Nadira bt Mohammed Isa (Malaysia)	Graduated	A Hybrid Group Method of Data Handling With Discrete Wavelet Transform for River Flow Forecasting	Reseach	Main Supervisor
2013	4	Zunna Aim bin Zolkepley (Malaysia)	Graduated	Load forecasting using time series model	Reseach	Co-Supervisor
	5	Basri Badyalina (Malaysia)	Graduated	Flood frequency analysis at ungauged sites using GMDH model	Reseach	Main Supervisor
	6	Mohamad Alfa (Nigeria)	Graduated	Seasonal time series forecasting	Reseach	Main Supervisor
2014	7	Nur Amalina bt Mat Jan (Malaysia)	Graduated	Flood frequency analysis using TL-moments	Reseach	Main Supervisor
	8	Nur Shahidah bt Roselan (Malaysia)	Graduated	Regional flood frequency analysis at ungauged sites using LSSVM model	Reseach	Main Supervisor

2014	9	Mohamad Aiman Zainuddin	Graduated	A new hybrid time series using GARCH and ANN model	Reseach	Main Supervisor
	10	Norhafizah bt Yusof	Ongoing 2014-2016	SSA forecasting	Reseach	Main Supervisor
2017	11	Muhammad Akram bin Shaari	Ongoing 2017-2018	Drought Forecasting	Research	Co-Supervisor
2017	12	Nurhaziyatul Adawiyah Yahya	Ongoing 2016-2017	Tourism Forecasting	Research	Co-Supervisor
2017	13	Najah bt Mohd Nasir	Ongoing 2016-2017	Streamflow Forecasting	Research	Co-Supervisor

MSc. Student (MIX-MODE)

Year	No.	Name	Status	Title	Roles of Supervision
2011	1	Nuradden Muhamamad Babangida (Nigeria)	Graduated	Pedotransfer Functions for Various Tropical Soil Textures	Co-Supervisor
	2	Hashah bt Ismail	Graduated	Parameter Estimation of Mean Survival Time Using Parametric and Nonparametric Approches	Main Supervisor
2012	3	Muhammad Safwan bin Ibrahim	Graduated	Application of ANFIS, ARIMA and Hybrid Models in water Demand Forecasting	Main Supervisor
	4	Siti Nor Hazannah bt Mohamed	Graduated	Short-Term Forecasting of Gold Price Using GARCH models	Co-Supervisor
2014	5	Nur Xelida bt Mohamed (Malaysia)	Graduated	Tourism forecasting	Main Supervisor
	6	Abang Mohammad Hudzaifah bin Abang Shakawi	Graduated	ARIMA and ARDL for Palm Oil Forecasting	Main Supervisor
	7	Nur Hamizah bt Abdul Ghani	Graduated	The Cramer-Von Mises Test Statistic of the GEV distribution and Weibull distribtuion	Main Supervisor

PhD EXTERNAL EXAMINER

- (i) Tareq A.M. Atiany
Alternative Statistic for Testing Several Independent Samples of Correlation Matrices in High Dimension Datasets.

PhD INTERNAL EXAMINER

- i) Ho Ming Kang
Estimation Of Missing Daily Rainfall Data In Peninsular Malaysia, 2013.

- ii) Ibrahim Lawal Kane
A New Approach For Forecasting Rainfall Data, 2014.

MSc EXTERNAL EXAMINER

- i) Hadiza Yakubu Bako,
The Study of Pelagic Fish in Malaysia Using Time Series Analysis, UTHM, 2014.

MSc INTERNAL EXAMINER

- i. Pung Yean Ping,
A New and Improved Bivariate GARCH Model for Modelling Heteroscedastic Time Series, 2013.

- ii. Mohd Zulariffin MD Maarof ,
Modified Model Identification in Box-Jenkins Methodology by Using Genetic Algorithm, 2013.

PUBLICATIONS

JOURNAL

ISI Journal :

1. Ani Shabri, Daud Z and Atiqah Z. Regional Analysis of Annual Rainfall using TL-Moments method. *Theor Appl Climatol.* 104:561-570. (2011) IF (1.776).
2. Ismail S, Ani Shabri, Samsudian S. A hybrid model of self-organizing maps (SOM) and least square support vector machine (LSSVM) for time-series forecasting. *Expert Systems with Applications.* 38(8):10574-10578. (2011) IF(1.96).
3. Samsudian R, Ani Shabri and Puteh S. River flow time series using least squares support vector machines. *Hydrol. Earth Syst. Sci.*, 15, 1835-1852, (2011) IF(2.46)
4. Samsudin R, Ani Shabri and Puteh S. A Hybrid GMDH and Least Squares Support Vector Machines in Time Series Forecasting. *Neural Network World.* 3(11), 251-268 (2011). IF(0.511).
5. Ahmad U.A., Ani Shabri and Zakaria Z. Trimmed L-moments (1,0) for the generalized Pareto distribution. *Hydrological Sciences Journal* (2011). 56(6):1053-1060. IF(1.446).
6. Ani Shabri and Suhartono. Streamflow forecasting using least squares support vector machines. *Hydrological Sciences Journal* (2012). 57(7):1275-1293 IF(1.446)

7. Zakaria Z.A. and Ani Shabri. Estimation of the generalized logistic distribution of extreme events using partial L-moments. *Hydrological Sciences Journal* (2012)57(3):423-432.(IF1.446)
8. Ismail S, Ani Shabri and Samsudian R. A hybrid model of self organizing maps and least square support vector machine for river flow forecasting. *Hydrol. Earth Syst. Sci.*, (2012).16:4417-4433.(IF. 3.148).
9. Zakaria Z.A. and Ani Shabri. Regional Frequency Analysis of Extreme Rainfalls in the West Coast of Peninsular Malaysia using Partial L-Moments. *Water Resources Management* (2012):4417-4433. (IF 2.054).
10. Ahmad U.A., Ani Shabri and Zakaria Z. An Analysis of Annual Maximum Stream flows in Terengganu, Malaysia using TL-moments Approach. *Theor Appl Climatol.* (2013) page 649-663 IF(1.942).
11. Zakaria Z.A. and Ani Shabri. Regional frequency analysis of extreme rainfalls using partial L moments method. *Theoretical and Applied Climatology* (2013). Pages 83-94.(IF1.942)
12. Ayob Katimon, Shamsuddin Shahid, Ahmad Kahiri and Ani Shabri. Hydrological behaviour of a drained agricultural peat catchment in the tropics. 2: Time series transfer function modeling approach. *Hydrological Science Journal*. 1310-1325. (IF: 1.446).
13. Ani Shabri and Jemain A.A..Regional Flood Frequency Analysis for Southwest Peninsular Malaysia by LQ-Moments. *Journal of Flood Risk Management* (2014). (IF 1.5).
14. Ani Shabri and Samusidin R. Daily Crude Oil Price Forecasting Using Hybridizing Wavelet and Artificial Neural Network Model, *Mathematical Problems in Engineering*, page 1:10, 2014. (IF: 1.082).
15. Ani Shabri and Samsudin R. Crude Oil Price Forecasting Based on Hybridizing Wavelet Multiple Linear Regression Model, Particle Swarm Optimization Techniques, and Principal Component Analysis. *The Scientific World Journal*. page 1-8, 2014. (IF:1.73)
16. Ani Shabri and Samsudin R. Fishery Landing Forecasting Using Wavelet-Based Autoregressive Integrated Moving Average Models, *Mathematical Problems in Engineering*, Accepted (2014). (IF: 1.082).
17. Mat Jan, N. A. & Ani Shabri, Estimating distribution parameters of annual maximum streamflows in Johor, Malaysia using TL-moments approach. *Theoretical and Applied Climatology* (2017). 127(1-2), 213–227. IF (2.64) Q2

SCOPUS Journal :

1. Ani, S. & Jemain, A.A. 2006. LQ-Moment: Application to the Extreme Value Type I Distribution. *Journal of Applied Sciences* 6(5):993-997.

2. Ani, S. & Jemain, A.A. 2006. LQ-Moment: Application to the Log-Normal Distribution. *Journal of Mathematics and Statistics* 2(3):414-421.
3. Ani, S. & Jemain, A.A. 2006. Application of Multi Criteria Method to Identify the Best-fit Statistical Distribution. *Journal of Applied Sciences* 6(4):926-932.
4. Ani, S. & Jemain, A.A. 2007. LQ-Moments For Statistical Analysis Of Extreme Events. *Journal of Modern Applied Statistical Methods*, 6(1): 228-238.
5. Ani, S. & Jemain, A.A. 2007. LQ-Moment: Application to the Generalized Extreme Value. *Journal of Applied Sciences* 7(1):115-120.
6. Z. Ismail, A. Yahya and A. Shabri. Forecasting Gold Prices Using Multiple Linear Regression Method. *American Journal of Applied Sciences* 6(8): 1509-1514, 2009.
7. Ani, S. & Jemain, A.A. 2009. Estimation of the Extreme Value Type I by the Method of LQ-Moment . *Journal of Mathematics and Statistics* 5(4):298-304.
8. A. Shabri, R. Samsudin & Z. Ismail. 2009. Forecasting of the Rice Yields Time Series Forecasting using Artificial Neural Network and Statistical Model. *Journal of Applied Sciences* 9(1):1-6.
9. R. Samsudin, P. Saad, and A. Shabri. A hybrid least squares support vector machines and GMDH approach for river flow forecasting. *Hydrol. Earth Syst. Sci. Discuss.*, 7, 3691–3731, 2010.
10. S. Ismail, R. Samsudin and A. Shabri. River Flow Forecasting: a Hybrid Model of Self Organizing Maps and Least Square Support Vector Machine. *Hydrol. Earth Syst. Sci. Discuss.*, 7, 8179–8212, 2010.
11. R. Samsudin, Ani Shabri and P. Saad. A Comparison of Time Series Forecasting using Support Vector Machine and Artificial Neural Network Model. *Journal of Applied Sciences* (2010). 10(11): 950-958.
12. Ummi Nadiyah Ahmad, Ani Shabri, Zahrahtul Amani Zakaria. Flood Frequency Analysis of Annual Maximum Stream Flows using L-Moments and TL-Moments Approach. *Applied Mathematical Sciences*, Vol. 5, 2011, no. 5, 243 – 253
13. Ani Shabri, Noratiqah (2009). Frequency Analysis of maximum Daily Rainfalls via L-Moment Approach. *Sains Malaysiana* 38(2): 149-158.
14. Ani. S. & Jemain. A.A. (2010). LQ-moments: Parameter Estimation for Kappa Distribution. *Sains Malaysiana* 39(5): 845–850.
15. Ani. S. & Jemain. A.A. (2010). Penggunaan Gambar Rajah Nisbah LQ-Momen dalam Pemilihan Taburan Terbaik. *Sains Malaysiana* 39(4): 647-653.
16. Zakaria Z.A. & Ani Shabri. Streamow Forecasting at Ungaged Sites Using Support Vector Machines. *Applied Mathematical Sciences*, Vol. 6, 2012, no. 60, 3003 – 3014

17. Ani Shabri and Jemain AA. Fitting the Generalized Logistic Distribution by LQ-Moment. *Applied Mathematical Sciences*, Vol. 5(54) 2663-2676 (2011).
18. Nadira M.I. and Ani Shabri. A hybrid group method of data handling with discrete wavelet transform for GDP forecasting. *AIP Conference Proceedings*. International Conference On Mathematical Sciences And Statistics 2013 (ICMSS2013): Kuala Lumpur.
19. Rana A. & Ani Shabri. Daily Crude Oil Price Forecasting Model Using Arima, Generalized Autoregressive Conditional Heteroscedastic And Support Vector Machines. *American Journal of Applied Sciences* 11 (3): 425-432, 2014.
20. Basri B., Ani Shabri & Samsudian R. Streamflow Estimation at Ungauged Site Using Wavelet Group Method of Data Handling in Peninsular Malaysia. *Int. Journal of Math. Analysis*, Vol. 8, 2014, no. 11, 513 – 524.
21. Sarah A. & Ani Shabri. Hybrid Empirical Mode Decomposition-ARIMA for Forecasting Price of Rice. *Applied Mathematical Sciences*, Vol. 8, 2014, no. 63, 3133 – 3143.
22. Ani Shabri & Samsudidn R. A Hybrid GMDH and Box-Jenkins Models in Time Series Forecasting. *Applied Mathematical Sciences*, Vol. 8, 2014, no. 62, 3051-3062.
23. Ani Shabri. A Hybrid Wavelet Analysis and Adaptive Neuro-Fuzzy Inference System for Drought Forecasting. *Applied Mathematical Sciences*, Vol. 8, 2014, no. 139, 6909 – 6918.
24. Ani Shabri & Samsudin R. A New Approach for Water Demand Forecasting Based on Empirical Mode Decomposition. In *8th Malaysian Software Engineering Conference (MySEC 2014)*, IEEE, 284-288.
25. Pandhiani, S. M. & Shabri, A. A comparative analysis and time series forecasting of monthly stream flow data using hybrid model. *Jurnal Teknologi*. (2015) 76(8), 13, 67-74.
26. Pandhiani, S. M. & Ani Shabri A hybrid model for monthly time series forecasting *Applied Mathematics and Information Sciences*. 9(6)(2015), 2943-2953.
27. Shabri A. A hybrid model for stream flow forecasting using wavelet and least squares support vector machines. *Jurnal Teknologi*. (2015), 73(1) (2015), 89-96.
28. Ani Shabri. & Samsudin. Empirical mode decomposition-least squares support vector machine based for water demand forecasting. *International Journal of Advances in Soft Computing and its Applications*. (2015), 7(2), p. 38-53.
29. Ani Shabri. Fishery landing forecasting using EMD-based least square support vector machine models. *International Conference on Mathematics, Engineering and Industrial Applications, ICoMEIA 2014*. American Institute of Physics Inc., (2015) Vol. 1660, 070122.

30. Badyalina, B. & Ani Shabri Flood estimation at ungauged sites using group method of data handling in Peninsular Malaysia. *Jurnal Teknologi*. (2015) 76(1), 373-380.
31. Badyalina, B. & Ani Shabri Flood frequency analysis at ungauged site using group method of data handling and canonical correlation analysis. *Modern Applied Science*.(2015) 9(6), 48-55.
32. Ani Shabri. Least square support vector machines as an alternative method in seasonal time series forecasting. *Applied Mathematical Sciences*. (2015) 9(124), 6207-6216.
33. Zakaria, Z. A., Ani Shabri & Mamat, M. Parameter estimation based on partial l-Moments method for censored samples. *Far East Journal of Mathematical Sciences*. (2015),96(6), 671-684.
34. Muhammed Pandhiani, Ani Shabri. Time series forecasting by using hybrid models for monthly streamflow data. *Applied Mathematical Sciences*. (2015),9(57-60), 2809-2829.
35. Ani Shabri. A modified EMD-ARIMA based on clustering analysis for fishery landing forecasting. *Applied Mathematical Sciences*. (2016),10(33-36), 1719-1729.
36. Rashid, N. I. A., Samsudin, R. & Ani Shabri, Exchange rate forecasting using modified empirical mode decomposition and least squares support vector machine. *International Journal of Advances in Soft Computing and its Applications*. (2016), 8(3), 31-47.
37. Aamir, M. Ani Shabri. Modelling and forecasting monthly crude oil price of Pakistan: A comparative study of ARIMA, GARCH and ARIMA Kalman model 21 Jun 2016 *Advances in Industrial and Applied Mathematics: Proceedings of 23rd Malaysian National Symposium of Mathematical Sciences, SKSM 2015*. American Institute of Physics Inc., Vol. 1750, 060015.
38. Badyalina, B., Ani Shabri. & Jan, N. A. M. Prediction at ungauged site with topological kriging and modified group method of data handling. *Journal of Environmental Hydrology*. (2016), 24, 6.
39. Jan, N. A. M., Ani Shabri & Badyalina. Selecting probability distribution for regions of Peninsular Malaysia streamflow. (2016) *Advances in Industrial and Applied Mathematics: Proceedings of 23rd Malaysian National Symposium of Mathematical Sciences, SKSM 2015*. American Institute of Physics Inc., Vol. 1750, 060014.
40. Jan, N. A. M., Ani Shabri, Ismail, S., Badyalina, B., Abadan, S. S. & Yusof, N. Three-parameter lognormal distribution: Parametric estimation using l-moment and tl-moment approach. *Jurnal Teknologi*. (2016)78, 6-11, p. 85-96 12
41. Rashid, N. I. A., Ani Shabri & Samsudin. Comparison between MEMD-LSSVM AND MEMD-ARIMA in forecasting exchange rate. *Journal of Theoretical and Applied Information Technology*.(2017) 95(2), 328-339.

42. Zakaria, Z. A., Ani Shabri & Awang, M. K. Regional frequency analysis of streamflow based on partial L-moments approach. *Far East Journal of Mathematical Sciences*. (2017), 101(4), 689-702.
43. Yahya, N. A., Samsudin, R. & Ani Shabri. Tourism forecasting using hybrid modified empirical mode decomposition and neural network. *International Journal of Advances in Soft Computing and its Applications*. 9 (2017), 1, 14-31.
44. Mohd Fahmi Abdul Hamid and Ani Shabri. Palm oil price forecasting model: An autoregressive distributed lag (ARDL) approach. *AIP Conference Proceedings* 1842, 030026 (2017); doi: 10.1063/1.4982864.
45. Mohd Helmie Hamid and Ani Shabri. Wavelet regression model in forecasting crude oil price. *AIP Conference Proceedings* 1842, 030019 (2017); doi: 10.1063/1.4982857.
46. Shuhaida Ismail and Ani Shabri. Combination model of empirical mode decomposition and SVM for river flow forecasting. *AIP Conference Proceedings* 1830, 080005 (2017); doi: 10.1063/1.4980989.
47. Ismail S, Ani Shabri. DocumentTime series forecasting using least square support vector machine for canadian lynx data. *Jurnal Teknologi*. (2014), 70(5), 11-15.

NON INDEXED Journal :

1. Ruhaidah Samsudin, Puteh Saad & Ani Shabri, 2008. A Comparison of Neural Network, Arima Model and Multiple Regression. *International Journal Of Soft Computing Applications*. 113-127.
2. R. Samsudin, Puteh S. and Ani.S. Comparison of Forecasting Using Modified GMDH and Genetic Algorithm. *International Journal of Computer Information Systems and Industrial Management Applications*. Vo. 1(2009)-170-176.
3. Ruhaidah Samsudin, Puteh Saad & Ani Shabri. Hybridizing Gmdh And Least Squares Svm Support Vector Machine For Forecasting Tourism Demand. *Ijrras* 3 (3) (2010):274-279.
4. Umami Nadiyah Ahmad, Ani Shabri, Zahrahtul Amani Zakaria. TL-moments and L-moments Estimation of the Generalized Logistic Distribution. *Journal of Mathematics Research*. Vol 3, No 1 (2011): 97-106.
5. Zahrahtul Amani Zakaria, Ani Shabri, Umami Nadiyah Ahmad. Estimation of Generalized Pareto Distribution from Censored Flood Samples using Partial L-moments. *Journal of Mathematics Research*. Vol 3, No 1 (2011). 112-120.
6. Siraj M.P and Ani Shabri, Time Series Forecasting Using Wavelet-Least Squares Support Vector Machines and Wavelet Regression Models for Monthly Stream Flow Data. *Physics and Mathematics*, 2013, 183-194.

7. Ani, S. 2000. Penggunaan Analisis Frekuensi Banjir. *Matematika*.16(1): 47-60.
8. Aziz, A.A.G and Ani, S. 2000. Statistical Flood Frequency Analysis Using Short Term Data. *Matematika*, 16(1): 11-30.
9. Ani, S. 2001. The Best Plotting Formula for the Pearson Type III Distribution. *Journal Teknologi*.
10. Ani, S. 2001. Comparison of Time Series Forecasting Methods Using Neural Networks and Box-Jenkins Model. *Matematika*. 17(1): 25-32.
11. Ani, S. 2002. Nonparametric Kernel Estimation of Annual Maximum Stream Flow Quantiles. *Matematika*. 18(2): 99-107.
12. Ani, S. 2002. Comparisons of the LH-Moments and the L-Moments. *Matematika*. 18(1): 33-43.
13. Ani, S. 2002. Comparative Study of Flood Estimation Using Nonparametric and Parametric Models. "Proceedings of National Symposium on Mathematics,UTM".
14. Ani, S. 2003. Penggunaan Taburan Pareto Umum Dalam Menganalisis Nilai Ekstrim Banjir Menggunakan Siri Aliran Puncak Melebihi Paras. *Jurnal Teknologi*. 39: 43-52.
15. Azme, K., Zuhaimy, I. and Ani, S. 2003. Permodelan Harga Minyak Sayuran Menggunakan Analisis Regresi Linear Berganda. *Matematika*, 19(1): 59-70.
16. Azme Khamis & Ani Shabri. Analisis Siri Masa Untuk Peramalan Pengeluaran Minyak Kelapa Sawit Mentah Malaysia. Technical Report. PPS, KUiTTHO. LT/M Bil. 1/2006 .
17. Ani, S. & Jemain, A.A. Pengujian Kesesuaian Taburan Normal Berdasarkan Statistik Cramer-von Mises. *Sains Malaysiana* 36(2)(2007): 201-206.
18. Ani, S. & Jemain (2007): Analisis Frekuensi banjir Serantau di Semenanjung Malaysia Berdasarkan Pendekatan LQ-Momen. *Jurnal Teknologi*.47:45-58.
19. Ani, S. & Jemain (2007): Kaedah Penganggar Parameter Alternatif bagi Taburan Nilai Ekstrim Teritlak. *Matematika*.23(2): 157-166.
20. Ani, S. & Jemain (2008): Pengujian Statistik Anderson Darling bagi Taburan Nilai Ekstrim Teritlak. *Matematika*.24(1): 85-97.
21. Ani, (2008): Penjelmaan Box-Cox dan Penggunaannya dalam Analisis Frekuensi Banjir. *Matematika*.24(2):259-268.
22. Samsudin, Ruhaidah and Saad, Puteh and Shabri, Ani (2008). The GMDH model and its application to forecasting of rice yields. *Jurnal Teknologi Maklumat*, 20 (4). pp. 113-123. ISSN 0128-3790.

23. Ani, S. & Jemain (2009): L-Momen Peringkat Tinggi: Penggunaan Bagi Memodelkan Taburan Logistik Teritlak. *Jurnal Kejuruteraan*. 21: 43-52.
24. Ani. S. & Jemain. A.A. (2009). Pengujian Kesahihan Pemandan untuk Taburan Nilai Ekstrim I. *Matematika*. 25(1):53-66.
25. Ani Shabri and Noratiqah Mohd Ariff (2011). On Selection of Probability Distributions of Annual Maximum Daily Rainfalls Using TL-Moments. *Matematika*. 26(2):137-151.
26. Basri B. and Ani S. (2013). Streamflow Forecasting At Ungauged Sites Using Multiple Linear Regression. *Matematika . Specail Issue*: 1-10.
27. Ismail S. and Ani Shabri (2014). Empirical Mode Decomposition for River Flow Forecasting. *Australian Journal of Basic and Applied Sciences*. 8(11), 8-15.
28. Siraj M.P. & Ani Shabri (2013). Time Series Forecasting Using Wavelet-Least Squares Support Vector Machines and Wavelet Regression Models for Monthly Stream Flow Data. *Open Journal of Statistics*, 2013, 3, 183-194.
29. Ani Shabri. A Hybrid of EEMD and LSSVM-PSO model for Tourist Demand Forecasting. *Indian Journal of Science & Technology*. (2016) 9(36), 1-6.

H INDEX : 4.0

PROCEEDINGS/CONFERENCE

1. Ani S. Perbandingan Ramalan Siri Masa Menggunakan Rangkaian Neural dan Box-Jenkins". Seminar Jabatan Matematik, UTM. 30 Ogos, 2000.
2. Ani S. Pemilihan Model Statistik Bagi Aliran Sungai Terbaik di Johor". Seminar Jabatan Matematik, UTM. 9 Januari 2002.
3. Ani, S. 2002. Comparative Study of Flood Estimation Using Nonparametric and Paramateric Models. Simposium Kebangsaan Sains Matematik ke-10,UTM. 23-24 Dis. 2002
4. Ruhaidah, S., Puteh. S. & Ani, S. Hybridizing ARIMA and Neural Network for Rice Yields Time Series Predication. One Day Seminar on Hybrid Soft Computing Techiques and Algorithms. 3 Dis. 2007.
5. Shuhaida Ismail, Ruhaidah Samsudin, Ani Shabri. A Comparison of Time Series Forecasting For Chemical Process Concentration using Neural Network and Support Vector Machine (SVM) Model. International Conference on Software Engineering and Computer Systems (ICSECS '09). 20 Oct 2009.
6. Nadira Mohamed Isa, Ani Shabri, Ruhaida Samsudin. A Comparison of Time Series Forecasting using Neural Network and Group Method of Data Handling. International Conference on Software Engineering and Computer Systems (ICSECS '09). 20 Oct 2009.

7. Zahratul and Ani S. Partial L-moments for statistical Analysis of Extreme Events. Postgraduate Conference, Faculty of Science. 5-7 October 2010.
8. Shuhaida Ismail, Ani S. and Ruhaidah S. A Hybrid SOM-LSSVM for rice yield forecasting. Postgraduate Conference, Faculty of Science. 5-7 October 2010.
9. Nadira, Ani S. and Ruhaidah S. Comparison of Group Method of Data Handling (GMDH) and Artificial Neural Network (ANN) in mean monthly river flow. Postgraduate Conference, Faculty of Science. 5-7 October 2010.
10. Umami Nadiyah A. and Ani. S. TL-moments of the Generalized Extreme Value Distribution. Postgraduate Conference, Faculty of Science. 5-7 October 2010.
11. Zakaria Z.A. and Shabri A. (2010) Partial L-moments for statistical analysis of censored samples. The 2nd International on Mathematical Sciences 2010, Putra World Trade Centre (PWTC) Kuala Lumpur.
12. Basri and Ani S. GMDH forecasting for ungauged in Peninsular Malaysia. The 1st ISM International Statistical Conference(ISM-1)(2012). 4-6 Sept 2012.
13. Zahratul and Ani S. Statistical Analysis of Annual Maximum using Partial L-moments. Australia Statistical Conference 2012.
14. Nur Shahidah R. and Ani S. Flood Frequency Analysis At Ungauged Sites in the Peninsular Malaysia using Least Square Support Vector Machines. International Conference on Science, Technology and Social Sciences Conference(ICSTSS 2012).
15. Nur Amalina M.J. and Ani S. TL-Moments: Application to the Generalized Logistic Distribution. International Conference on Science, Technology and Social Sciences Conference (ICSTSS 2012).
16. Sukma Dewi Azuardi and Ani S. Statistical analysis of Generalized Logistic Distribution using LH Moments. International Conference on Science, Technology and Social Sciences Conference(ICSTSS 2012).
17. Ani Shabri, "*Streamflow forecasting using wavelet-least squares support vector machines*", International Conference on Applied Analysis and Mathematical Modeling (ICAAMM2013). 2-5 June 2013, Istanbul, Turkey.
18. Ani Shabri "*Hybridizing Wavelet and Linear Regression Model For Crude Oil Price Forecasting*", International Conference on Soft Computing & Computational Mathematics (ICSCCM2013), 2-4 July Kuala Lumpur, Malaysia.
19. Ani Shabri "*Crude Oil Forecasting With An Improved Model Based on Wavelet Transform and Linear Regression Model*". 3rd International Conference on Applied Mathematics and Pharmaceutical Sciences (ICAMPS 2013) 29-30 April, Singapore.

20. Ani Shabri "*Adaptive Neuro-Fuzzy Inference system and Wavelet Transform for crude oil prices forecasting*", International Conference on Computer Science and Information Technology. 16-18 June 2013 Yogyakarta, Indonesia.
21. Ani Shabri "*Development of a coupled wavelet transform and ANFIS method for Seasonal Time Series Forecasting*", International Conference on Intelligent Computational Systems (ICICS 2013), 30 April Singapore.
22. Ani Shabri "*Improving Least Square Support Vector machines Performance in Seasonal Time Series Forecasting*", International Conference on Computing, Mathematics and Statistics. 28-29 August 2013, Bayview Beach Resort Penang, Malaysia.
23. Ani Shabri "*Fishery Landing Forecasting Using EMD-Based Least Square Support Vector Machine Models* ", International Conference on Mathematics, Engineering & Industrial Applications (ICoMEIA 2014). 28-30 May 2014. Gurney Resort Hotel Penang.
24. Ani Shabri, A Novel Hybrid Ensemble Learning Paradigm for Tourism Forecasting, in The 2nd ISM International Statistical Conference 2014 with Applications in Science and Engineering. MS Garden Kuantan Pahang Malaysia. 2014.

SEMINARS/WORKSHOPS

1. Short Course on Var-Vecm-ARDL Modeling Approach. 19-20 August 2014. USM
2. Short Course on Time Series Data Analysis. 20-21 May 2014, USM .
3. CASIS-UTM Saturday Night Lecture Series 2013. 23 Feb 2013-9 Mac 2013.
4. Bengkel Permurnian Prosedur dan Penilaian Program Pasca Ijazah. 21-22 Jun 2011.
5. Bengkel Sehari Penulisan Buku/Artikel Jurnal. 25 Dec 2010.
6. Bengkel Etiket Jamuan Makan Malam. 16 Dec 2010.
7. Statistical/Mathematical Computing Workshop. 14 Dec. 2010.

THESIS

Ani Shabri. Flood Frequency Analysis Using LQ-Moments Method, Ph.D. Thesis, Universiti Kebangsaan Malaysia, Malaysia (2007).

BOOK CHAPTER

1. Advances In Artificial Intelligence Applications. "The GMDH Model And Its Application To Forecasting Of Rice Yields" pg 113-213. Penerbit UTM (2008).
2. Advances in Time Series Forecasting "Application of ARIMA and ANFIS Models in Drought Forecasting". Pg 23-42.
3. Advances in Time Series Forecasting "Application of ARIMA and ANFIS Models in Drought Forecasting". Pg 23-42.
4. Advances in Time Series Forecasting. "Drought Forecasting Using Hybrid Wavelet Analysis And Adaptive Neuro-Fuzzy Inference System", Pg. 44-64.
5. Editor of book chapter "Advances in Time Series Forecasting" 2016.
- 6.

ENCYCLOPEDIA OF MEMBRANE

1. Ensiklopedia Sains dan Teknologi, Jilid Matematik, DBP (2000)

12 Kata Masukan.

INVITED/GUEST SPEAKER

Ani Shabri, A Novel Hybrid Ensemble Learning Paradigm for Toursim Forecasting, in The 2nd ISM International Statistical Conference 2014 with Applications in Science and Engineering. MS Garden Kuantan Pahang Maysia. 2014.