

Senarai Penerbitan Tahun 2004/ *List of 2004 Publications*

Jurnal/ *Journal*

1. Fauzy, A., A., Ibrahim, N.A., I. Daud, Abu Bakar, M.A. 2004. Confidence Bands for Survivor Function on Exponential Distribution Under Type II Censoring with Bootstrap Percentile. *Statistika dan Komputasi*. Vol. 9 No. 1.
2. Habshah Midi dan Azmi Jaafar. Perbandingan Di antara Carta Cusum Tercantas dan Carta Cusum Min. *Matematika* 2004.
3. Habshah Midi dan Azmi Jaafar. The Residual Plot for a Robust Nonlinear Model. *Jurnal Teknologi C* No. 41.
4. Ismail Abdullah dan Hasniza Mukhtar (2004). The effect of Gender, Mathematical Achievement and Learning Style in Multimedia Learning. *Jurnal Teknologi Maklumat dan Multimedia*, UKM.
5. Mohamad Rushdan dan Choo Mun Yong. A Cryptosystem Analogous to LUCELG and a Digital Signature Scheme. *Pertanika Journal of Science and Technology*.
6. Muhammad Rezal Kamel Ariffin. Some Properties of the Space $E(p,q)$ and it's Dual $E'(p,q)$ and a Generalized Condition for a Function to be a Mellin Transform of a Generalized Function. *Jurnal Teknologi* 40 (C) Jun 2004. pp 65-75.
7. Habshah Midi, A. Jaafar, L.H Ann (2004). The Comparison of the Standard and the Trimmed Mean CUSUM Chart. *Matematika* 20(1).
8. Habshah Midi dan A. Jaafar. (2004) The Residual Plot for a Robust Nonlinear Model. *Jurnal Teknologi C* No. 41 Disember 2004.
9. Ismail Bin Mohd, Destiana Hadirin, Yosza Dasril. (2004), Program Linear pada Crashing Jaringan PERT, diajukan *Jurnal Jabatan Matematik*, Universiti Andalas, Padang, Indonesia.
10. Ismail Bin Mohd. (2004). Penentuan Formula Bagi Pengiraan Harga Opsyen Menggunakan Konsep Arbitraj, Di ajukan untuk *Jurnal Matematika*, Fakultas Matematika dan Ilmu Pengetahuan Alam (FMIPA), Universitas Negeri Malang (UNM), Indonesia.
11. Mahendran Shitan, Pauline Mah Jin Wee, Lim Ying Siew and Lim Ying Chin (2004), ARIMA and Integrated ARFIMA Time Series Models for Air Pollution Index in Klang, Selangor . (Paper presented at the Regional Conference on Ecological and Environmental Modelling – ECOMOD 2004 held on 15-16 September, 2004 in Penang and will be published in the upcoming issue of "Innovations in Engineering Journal" published by the Institution of Engineers, Malaysia)
12. Azizol Abdullah, Mohamed Othman, Md Nasir Sulaiman, Hamidah Ibrahim, Abu Talib Othman (2004). A Simulation Study of Data Discovery Mechanism for Scientific Data Grid Environment *Journal ICT*, 3(1), 19-32.

13. Jihad Q. Odeh, Fatimah Ahmad, Mohamed Othman, and Rozita Johari, (2004) Image Retrieval System Based On Multiple Thresholding of Colour Histogram of Images Subareas And Colour Pair Segmentation. The International Arab Journal of Information Technology (IAJIT), 1(2), pp: 196-202.
14. Mohammed A. & M. Othman, (2004), A New Pivot Selection Scheme for Quicksort Algorithm, Suranaree Journal of Science and Technology, 11: 211-215.
15. Abdullah, Othman, M., M.N.Sulaiman, H. Ibrahim & A.T. Othman, (2004), A Simulation Study of Data Discovery Mechanism for Scientific Data Grid Environment, Journal of Info., Communication and Technology, 3(1), 19-31.
16. Sulaiman, J., Othman, M. and Hasan M. K., (2004), The Quarter-Sweep Iterative Alternating Decomposition Explicit (QSIAD E) Algorithm Applied to Diffusion Equations, Intern. J. Computer Math., 81 (12), pp: 1559-1565.
17. Ayob, F.H., Sulaiman, M.N. & Othman, M., (2004), Pengoptimuman Penyelesaian Masalah Penjadualan Waktu Kuliah Dengan Teknik Algoritma Genetik, Jurnal Teknologi, 40(D), 119-132.
18. Othman, M., & Abdullah, A.R., (2004), A Parallel New High Order Iterative Algorithm on SMP Parallel Computer, International Journal of Information Technology (in press).
19. Latif, R., & M Othman, (2004), Wormhole Routing using Dimension Order Routing Algorithm, Journal Information Technology, (corrected).
20. Abdullah M., Othman M. and Johari, R. (2006), An Efficient Approach for Message Routing in Optical Omega Network, International Journal of the Computer, Internet and Management, (accepted to be published).
21. Wee, K. K., & M. Othman, (2004), Impact of Heuristic Approach to the Static Bandwidth Allocation on ATM Network, Malaysian Journal of Computer Science (communicated).
22. Shamala, S., M. Othman, M.Y.Saman & R. Johari, (2004), Analytical Modeling for Multi-Tier Dynamic Resource Reservation Algorithm with Threshold Derivations, Journal of Interconnection Network (communicated).
23. Rafia Afroz, Mohd. Nasir Hassan, Muhamad Awang and Noor Akma Ibrahim (2004). Economic Evaluation of air Quality Improvements in Klang Valley, Malaysia: Validity and reliability of Contingent Valuation Method. International Journal of Ecological Economics and Statistics. Vol. 2:1-45.
24. Ahmed Ali Omar Hurairah, Noor Akma Ibrahim, Isa Daud and Kassim Haron (2004). An Application of a New Extreme Value Distribution to Air Pollution Data. Management of Environmental Quality (An International Journal). Vol.16 No. 1:17-24.
25. Othman, M., Abdullah, A.R., & Evans D.J., (2004), Multigrid Solution with Four Points Modified Explicit Group Grid Smoother, IEEE Trans. On Computer, (communicated).

26. Yap, S. T., Othman, M., Johari, R. and Latip, R., (2004), An Adaptive Routing Algorithm: Enhanced Confidence-based Q Routing Algorithm in Network Traffic, *Malaysian Journal of Computer Science*, 17(2), 21-29.
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Penerbitan Lain / Other Publications

1. Abdul Kudus, Noor Akma Ibrahim, Isa Daud dan Mohd Rizam Abu Bakar. Weighted Two Sample Test for Comparing Subdistribution Function of a Competing Risk. Prosiding Simposium Kebangsaan Sains Matematik Ke-12, 2004. UIA.
2. Abdul Kudus dan Noor Akma Ibrahim (2004). Tree Structured Survival Analysis Using Piecewise Multiple Linear Models. Konferensi Universiti Malaysia Sabah.
3. Abdul Kudus dan Noor Akma Ibrahim (2004). SAS Macros for Generating Dependent Competing Risks data with Exponentially Marginal Cause of Failure Time. SUM Conference.
4. Ahmad Fauzy, Noor Akma I., Isa Daud dan Mohd Rizam A.B. Confidence Bands for Survivor Function of Two Parameters Exponential Distribution Under Type II Censoring with Bootstrap Percentile. Prosiding Simposium Kebangsaan Sains Matematik Ke-12, 2004. UIA.
5. Adem Kilicman dan Zeyad Al Zhour. On the General Solution of System of Matrix and Matrix Differential Equations. Laporan Teknikal INSPEM 9/2004.
6. Bekbaev U.D. Regularity and Ergodicity Properties of Polynomial Maps Induced by the Multiplication of Group Algebra of a Finite Group. Laporan Teknikal INSPEM 10/2004.
7. Bekbaev U.D, A Note on Group Algebras of Finite Groups Over Real Numbers. Laporan Teknikal INSPEM 4/2004.
8. Fatimah Rozihan, Fauziah Maarof, Abu Hassan Mohd Noor (2004). Model Hubungkait dan Pengelasan Beberapa Pembolehubah Berkenaan Pencapaian Pelatih Lulusan Ijazah: Satu Kajian Kes.
9. Garba, S., Abu Bakar, M. R. dan Shitan, M. 2004. Optimal Development for transportation of Recycle Waste Materials. Prosiding Regional Conference on Ecological and Environmental Modeling.
10. Habsah Ismail, Sharifah Kartini Said Hussein, Wan Zah Wan Ali, Mat Rofa Ismail (2004). Peranan Kursus Falsafah Pendidikan dan Falsafah Sains ke Arah Melahirkan Bakal Guru Cemerlang. Seminar Kebangsaan Sejarah dan Falsafah Sains 2004.

11. Habshah Midi dan B.A Talib. The Performance of Reweighted Least Squares Based on Robust Distance S/M Estimator. Prosiding Simposium Kebangsaan Sains Matematik Ke-12, 2004. UIA.
12. Habshah Midi dan Norazan Ramli. Identifying Multiple Outliers Using Maximum Trimmed Likelihood Estimator in Multiple Linear Regression. Prosiding Simposium Kebangsaan Sains Matematik Ke-12, 2004. UIA.
13. Hazlina Hamdan, Sameem Abdul Kareem, Nur Aishah Mohd Taib and Yip Cheng Har (2004). Back Propagation Neural Network For The Prognosis of Breast Cancer: Comparison on different Training Algorithms, Proceeding of the Second International Conference on Artificial Intelligence in Engineering & Technology 2004, Kota Kinabalu Sabah, 3-5 August 2004.
14. Hazlina Hamdan, Sameem Abdul Kareem, Nur Aishah Mohd Taib and Yip Cheng Har (2004). The Prognosis of Breast Cancer: A Comparison of Different Neural Network Architectures, Proceedings of the Joint International Conference on Informatics and Research on Women in ICT (RWICT) 2004, Putra World Trade Centre, Kuala Lumpur, 28-30 July 2004, pp. 173-180.
15. Hazlina Hamdan, Sameem Abdul Kareem, Nur Aishah Mohd Taib and Yip Cheng Har (2004). The Prognosis Of Breast Cancer Using Backpropagation Neural Network, Proceedings of Information Technology Colloquium 2004 (INTEC 2004), UPM Malaysia, 1 June 2004.
16. H. Roslan dan Y.H Peng. Chromatically Unique Bipartite Graphs with Five or Six Edges Deleted. Laporan Teknikal INSPEM 1/2004.
17. H. Roslan dan Y.H Peng. Chromaticity of Certain Bipartite Graphs with Five Edges Deleted. Laporan Teknikal INSPEM 6/2004.
18. Kamel Ariffin Mohd Atan dan Mat Rofa Ismail (2004), Mathematics in Malay World Prior to the Arrival of Western Mathematics' Proceedings of the International Conference of Statistics and Mathematics and Its Applications in the Development of Science and Technology, Bandung, Indonesia.
19. Kamel Ariffin Mohd Atan, Rustem Sunchelev dan Mahendran Shitan. Teknologi Berbantuan Komputer Dalam Pengajaran dan Pembelajaran Matematik. Seminar Matematik dan Masyarakat. KUSTEM Terengganu.
20. Leong Wah June dan Malik Abu Hassan (2004). Predicting the Structure of an Atomic Clusters by Morse Potential.
21. Mat Rofa Ismail (2004). Matematik Merentas Tamadun. Dewan Bahasa dan Pustaka. KL.
22. Mat Rofa Ismail (2004). Sains, Metafizika dan Etika: Satu Pandangan Untuk Kurikulum Falsafah Sains di Malaysia. Seminar Kebangsaan Sejarah dan Falsafah Sains 2004, UKM Bangi.

23. Muhammad Rezal Kamel Ariffin. On the Extended Mellin Sobolev Space. Laporan Teknikal INSPEM 5/2004.
24. Norazan Ramli dan Habshah Midi (2004). Identifying Outliners Using Maximum Trimmed Likelihood Estimator.
25. Rohani Ahmad Tarmizi dan Wan Zah Wan Ali. 'Mathematics Education in Malaysia'. International Educational Cooperation Symposium: Problematic and Perspective of International Cooperation in Mathematics Education. University of Tsukuba. 29 November 2004.
26. Siti Hasana Sapar dan Kamel Ariffin Mohd Atan (2004), 'On the Cardinality of the Set of Solutions to Congruence Equation', Proceedings of the International Conference of Statistics and Mathematics and Its Applications in the Development of Science and Technology, Bandung, Indonesia.
27. Supandi, E.A., Abu Bakar, M.R., dan Ibrahim, N.A 2004. Prediksi Selang Tahan Hidup Ke-N Dari Data Tersedutor Tipe II Pareto Dengan Metode Bayesian Di bawah Kasus Parameter Skala Diketahui. Forum Statistika dan Koputasi. Vol. 9 No.1.
28. Wan Zah Wan Ali, Sharifah Kartini Syed Husain, Habsah Ismail, Mat Rofa Ismail dan Mohd Majid Konting. 'Nilai Matematik Dari Kaca Mata Guru'. Prosiding Simposium Kebangsaan Sains Matematik Ke-12, 2004. UIA.
29. Y.H. Peng dan Y.C. Yew. The crossing Number of $P(3,1) \times P$. Laporan Teknikal INSPEM 8/2004.
30. Zeyad Al Zhour dan Adem Kilicman. On the Relationship Between Matrix Products for Partitioned and Non-Partitioned Matrices. Laporan Teknikal INSPEM 3/2004.
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32. A.K. Ibrahim, R.S. Radin, Habshah Midi, K. Haron dan H. Ahmad (2004). Potential for Mode Shift from Motorcycle to Safer Modes: Research Report Submitted to Ministry of Transport Malaysia.
33. Chee Tiam Ming, Mohd Nasir Hassan, Mahendran Shitan and Theng Lee Chong, (2004), Evaluation of Specific Waste Characteristic for Refuse Derived Fuel (RDF) Production in Malaysia. (Paper presented at the National Seminar on Urban Environment 2020, held on 28-29 September, 2004 at Mines Beach Resort, Seri Kembangan, Selangor.
34. Chin Hong Yee and Mahendran Shitan, (2004), A Simulation Study to evaluate the Performance of Bootstrap Estimates for AR(4) and MA(4) Processes. Proceedings of the Symposium Kebangsaan Sains Matematik ke XII, 23-24 December, 2004 in UIA, Selangor.
35. Destiana Hadirin, Ismail Bin Mohd. (2004), Pemampatan Pengurusan Projek Menggunakan Pengaturcaraan Kuadratik, Tesis Master Sains, KUSTEM, Kuala Terengganu.

36. H.Roslan and Y.H.Peng; Chromaticity of Certain Bipartite Graphs with Six Edges Deleted, Laporan Teknikal INSPEM, Bil. 1/2004.
37. H.Roslan and Y.H.Peng; Chromaticity of Certain Bipartite Graphs with Seven Edges Deleted, Laporan Teknikal INSPEM, Bil. 2/2004.
38. Habshah Midi dan B.A Talib. (2004) The Performance of Reweighted Least Squares Based on Robust Distance S/M Estimator. Prosiding Simposium Kebangsaan Sains Matematik Ke-12, UIA.
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41. Ismail Bin Mohd. (2004). Ideas for Optimization Algorithms in which Interval Arithmetic is Used, International Conference on Statistics and Mathematics and Its Application in the Development of Science and Technology, Universitas Islam Bandung, Indonesia.
42. Ismail Bin Mohd. (2004). Kaedah Selang HISMI untuk Masalah Pengoptimuman Tak Berkekangan, Laporan Cuti Sabatikal, Kustem, Kuala Terengganu.
43. Ismail Bin Mohd. (2004). Kewangan Bermatematik: Peranan Arbitraj Dalam Penentuan Harga Menerusi Formula Black-Scholes, Seminar Sehari dan Pertemuan, Universiti Islam Indonesia, Yogyakarta, Indonesia.
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45. Ismail Bin Mohd. (2004). Penentuan Harga Opsyen Menerusi Arbitraj, Seminar di Pusat Pengajian Sains Matematik Universiti Sains Malaysia, Pulau Pinang.
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47. Ismail Bin Mohd. (2004). Constraint Exploration Method for the General Convex Programming Problems, The Second Seminar and Workshop on Numerical Modelling, Optimization and Computational, Department of Mathematics, Kolej Universiti Sains and Teknologi Malaysia, Mengabang Telipot, Kuala Terengganu, Terengganu.
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49. Ismail Bin Mohd. (2004). Interrelationship Between Fuzzy, α -Cut, and Interval Arithmetic, Seminar on Optimization and Parallel Algorithm in Industry, Institut Ibnu Sina, Universiti Teknologi Malaysia, Johor.
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52. Mahendran Shitan and Tan Yiing Fei, (2004), A Comparative Study between ARFIMA Models and Intervened Time Series Model for Tourist Arrivals to Malaysia. (Paper presented at the Asia Pacific and Business Conference 2004 held on 7-9 October, 2004 in Penang).
53. Mahendran Shitan, Chin Hong Yee and R.P.P.K. Jayasinghe, (2004), An ARIMA (0,1,1) Model and Bootstrap Estimation for Forecasting the Annual Total Marine Fish Production in Malaysia. (Paper presented at 7th Asian Fisheries Forum held on 30 Nov – 4 Dec, 2004 in Penang).
54. Mustafa Mamat, Yosza Dasril dan Ismail bin Mohd. (2004), Kaedah Quasi-Newton untuk Masalah Pengoptimuman Tak Berkekangan, Prosiding Simposium Kebangsaan Sains Matematik ke 12, UIA, KL.
55. Mohamad Rushdan Md Said, Choo Mun Yoong. (2004). Pseudorandom Number Generator: The F-LUEG Cryptosystem. Prosiding Simposium Kebangsaan Sains Matematik ke-12 . UIA, KL.
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63. Y.H.Peng and G.C.Lau; Chromatic Uniqueness of Certain Tripartite Graphs Identified with a Path, Proceedings of the National Seminar of Science Technology and Social Sciences (31 May – 01 June 2004); UiTM.
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67. Othman, M., Abdullah, A.R. & Evans D.J., (2004), A Parallel Four Point Modified Explicit Group Iterative Algorithm on Shared Memory Multiprocessors, Parallel Algorithm and Application, 19(1), pp:1-9.
68. Abdullah, M. Othman, M.N. Sulaiman, H. Ibrahim, A.T. Othman, (2004). Data Discovery Algorithms for Scientific Data Grid Environment, Parallel and Distributed Computing, (in press).
69. Akhmad Fauzy, Noor Akma Ibrahim, Isa Daud dan Mohd. Rizam Abu Bakar (2004). Confidence Bands for Survivor Function On Exponential Distribution under Type II Censoring with Bootstrap Percentile. Forum Statistika dan Komputasi (Institut Pertanian Bogor). Vol. 9 No. 1 :34-38, ISSN 0853-8115.
70. Epha Diana Supandi, Mohd. Rizam Abu Bakar, Noor Akma Ibrahim dan Mat Yusoff Abdullah (2004). Prediksi Selang Tahan Hidup ke N dari Data Tersensor Tipe II Berdistribusi Pareto dengan Metode Bayesian di Bawah Kasus Parameter Skala Diketahui. Forum Statistika dan Komputasi (Institut Pertanian Bogor). Vol. 9 No. 1 :1-6, ISSN 0853-8115.
71. Abdul Kudus, Noor Akma Ibrahim, Isa Daud dan Mohd. Rizam Abu Bakar. Weighted Two Sample Test for Comparing Subdistribution Function of Competing Risk. Prosiding Simposium Kebangsaan sains Matematik ke 12, 2004, UIA.

72. Ahmed Ali Omar Hurairah, Noor Akma Ibrahim, Isa Daud and Kassim Haron. Application of New Extreme Value Distribution to an Air Pollution Data. Proceedings of the Ecological and Environmental Modelling Conference (ECOMOD), 2004. Penang.
73. Abdul Kudus and Noor Akma Ibrahim. SAS Macros for Generating Dependent Competing Risks Data with Exponentially Distributed Marginal Cause of Failure. Proceedings of the International Conference on Statistics and Mathematics and Its Applications in the Development of Science and Technology, 2004, Bandung.
74. Akhmad Fauzy, Noor Akma Ibrahim, Isa Daud dan Mohd. Rizam Abu Bakar. Bootstrap Confidence Bands for Survivor Function of Two Parameters Exponential Distribution under Double Type-II Censoring. Proceedings of the International Conference on Statistics and Mathematics and Its Applications in the Development of Science and Technology, 2004, Bandung.