

FATHUL WAHID

PERSONAL INFORMATION

Current position: Dean
Institution: Faculty of Industrial Technology,
Islamic University of Indonesia, Yogyakarta, Indonesia.
E-mail: fathulwahid@fti.uui.ac.id, fathulwahid@yahoo.com
Office address: Jl. Kaliurang Km. 14 Yogyakarta
Phone: +62 274 895287 ext. 111 (office phone), +62 274 895007 ext. 148 (office fax.),

RESEARCH INTERESTS

IT diffusion and adoption, IT and national development, IT in public sector, e-learning, IS/IT management, computer ethics, IT-based entrepreneurship

TEACHING INTERESTS

Algorithms and programming, systems analysis and design, organizational use of IS, management of IS, research methods in IS, computer ethics

EDUCATION

2001-2003	Department of Information Systems, Agder University, Kristiansand, Norway <i>Master program in information systems (M.Sc)</i>
2000-2001	Department of Humanities and Cultural Studies, Telemark University College, Bø i Telemark, Norway <i>Norwegian language and civilization for foreign students</i>
1993-1997	Department of Informatics, Bandung Institute of Technology, Indonesia <i>Bachelor program in informatics (ST)</i>
1992-1993	Department of Management, Gadjah Mada University, Indonesia <i>Undergraduate program in management (not completed)</i>

ACADEMIC EXPERIENCES

Senior Lecturer (Lektor Kepala) 2006-present
Lecturer (Lektor) 2004-2006
Instructor (Asisten Ahli), 1998-2004

Courses taught

Algorithms and Programming (1st year, 7 semesters)
Introduction to Information Technology (1st, 3 semesters)
Evaluation of Information Technology Investment (3rd year, 3 semesters)
Entrepreneurship (3rd year, 4 semesters)
Software Engineering (3rd year, 1 semester)
Computer and Society (3rd year, 1 semester)
Computer Ethics (3rd year, 4 semesters)
Capita Selecta (4th year, 1 semester)
Analysis and Design of Information Systems (4th year, 5 semesters)
Research Methodology (4th year, 1 semester)
Capita Selecta of Information Systems (4th year, 3 semesters)
E-government (4th year, 3 semesters)

PUBLICATIONS

Refereed journal articles

1. Furuholt, B., Kristiansen, S., and **Wahid, F.**, (2008) "Gaming or gaining? Internet café use in Indonesia and Tanzania", *The International Information & Library Review* (forthcoming)
2. **Wahid, F.** (2007) "Using the Technology Adoption Model to Analyze Internet Adoption and Use among Men and Women in Indonesia", *The Electronic Journal on Information Systems in Developing Countries*, Vol. 32, pp. 1-8.
3. Kristiansen, S., **Wahid, F.**, and Furuholt, B. (2006) "Investing in knowledge? Information asymmetry and Indonesian schooling", *The International Information & Library Review*, Vol. 38, pp. 192-204.
4. **Wahid, F.**, Furuholt, B., and Kristiansen, S. (2006) "Internet for Development? Patterns of use among Internet café customers in Indonesia", *Information Development*, Vol. 22, No. 4, pp. 278-291.

5. Akhadi, Y., Indarto, W., **Wahid, F.** (2006) "Application of Distributed Computing with OpenMosix on Complex Numerical Method Problem", *Media Informatika*, Vol. 4, No. 2, pp. 93-106.
6. Budiarto, N., **Wahid, F.** (2006) "Aplikasi Electronic Library Hadits", *Media Informatika*, Vol. 4, No. 2, pp. 93-106. (Electronic Library of Hadith)
7. **Wahid, F.** (2005) "Apakah Perempuan Indonesia Terbelakang dalam Adopsi Internet?: Temuan Empiris", *TEKNOIN*, Vol. 10, No. 3, pp. 209-224. (Are Indonesian Women Lagging in Internet Adoption?: Empirical Evidences)
8. Kristiansen, S., Kimeme, J., Mbwambo, A., and **Wahid, F.** (2005) "Information flows and adaptation in Tanzanian cottage industries", *Entrepreneurship and Regional Development*, Vol. 17, 365-388
9. Furuholt, B., Kristiansen, S., and **Wahid, F.** (2005) "The spread of information in a developing society: A study of Internet café users in Indonesia", *The Electronic Journal on Information Systems in Developing Countries*, Vol. 22, pp. 1-16.
10. **Wahid, F.**, (2005) "Peran Teknologi Informasi dalam Modernisasi Pendidikan Bangsa", *Media Informatika*, Vol. 3, No. 1, pp. 61-68 (The Role of Information Technology in Modernization of National Education).
11. Hendrik, and **Wahid, F.** (2005) "Pengembangan Learning Management System", *Media Informatika*, Vol. 3, No. 1, pp. 69-82 (Developing A Learning Management System).
12. **Wahid, F.** (2004) "Penentu Kemauan Untuk 'Meniup Peluit': Hasil Simulasi Proyek Pengembangan Software Bermasalah", *TEKNOIN*, Vol. 9, No. 3, pp. 241-248. (Determinant of Willingness to Blow the Whistle: Findings from Simulation of Troubled Software Development Projects)
13. **Wahid, F.**, Furuholt, B., and Kristiansen, S. (2004) "Information Diffusion Agents: The Spread of Internet Cafés in Indonesia", *Communications of the Association for Information Systems (CAIS)*, Vol. 13, pp. 589-614.
14. **Wahid, F.**, (2004) "Lessons from E-Government Initiatives in Indonesia", *Media Informatika*, Vol. 2, No. 2, pp. 13-21
15. **Wahid, F.**, and Indarti, N. (2004) "Underlying Dimensions of Location Decision among Small-Scale Information Technology Enterprises", *Journal of Industrial Research*, Vol. 1, No. 1, pp. 43-60.
16. **Wahid, F.** (2004) "Apakah Budaya Berpengaruh Terhadap Adopsi e-Government?: Sebuah Studi Lintas-Negara", *TEKNOIN*, Vol. 8, No. 4, pp. 321-332 (Does Culture Affect Adoption of e-Government?: A Cross-Country Study)
17. **Wahid, F.**, (2004) "Technology Acceptance Model untuk Memprediksi Adopsi Internet di Indonesia", *TEKNOIN*, Special Edition, November, pp. 67-77 (Technology Acceptance Model to Predict Internet Adoption in Indonesia)
18. **Wahid, F.**, (2004) "Peluang Dan Tantangan Pemanfaatan Teknologi Informasi Di Perguruan Tinggi", *Media Informatika*, Vol. 2, No. 1, pp. 11-22 (Opportunities and Challenges of Information Technology Implementation in Higher Education Institutions)
19. **Wahid, F.**, (2004) "Metodologi Penelitian Sistem Informasi: Sebuah Gambaran Umum", *Media Informatika*, Vol. 2, No. 1, pp. 69-81 (Research Methodologies in Information Systems: An Overview)
20. Kristiansen, S., Furuholt, B., and **Wahid, F.** (2003) "Internet Café Entrepreneurs: Pioneers in Information Dissemination in Indonesia", *The International Journal of Entrepreneurship and Innovation*, Vol. 4, No. 4, pp. 251-263.
21. **Wahid, F.** (2003) "Faktor Penentu Difusi Internet di Indonesia: Sebuah Model Konseptual" *TEKNOIN*, Vol. 8, No. 2, pp. 105-116 (Factors Affecting Internet Diffusion in Indonesia: a Conceptual Model)
22. **Wahid, F.** (2003) "Motivasi Mahasiswa Kelas Pemrograman", *Logika*, Vol. 9, No. 10, pp. 47-54 (Motivation of Students of Programming Class)
23. **Wahid, F.** (2003) "Data Mining Advantages, Task, and Techniques: In Search of Research Ideas", *Media Informatika*, Vol. 1, No. 1, 40-45.
24. Indarti, N., and **Wahid, F.**, (2002) "The Role of Information Technology in Business Process Reengineering", *Kajian Bisnis*, No. 27, pp. 17-24.
25. **Wahid, F.**, Berge, G. T., Gherman, A., and Skajaa, M. (2002) "Underlying Factors of Information Technology Outsourcing Decisions", *TEKNOIN*, Vol. 7, No. 4, pp. 231-247.
26. **Wahid, F.** (2000) "Pengolahan Bahasa Alami: Studi Kasus Pemetaan Deskripsi Transaksi Sederhana ke dalam Pos-pos Perkiraan pada Aplikasi Akuntansi", *TEKNOIN*, Vol. 5, No. 1, pp. 45-55 (Natural Language Processing, Case Study: Translation of Simple Transaction Descriptions into Accounts in General Ledger in Accounting)
27. **Wahid, F.** (1999) "Bidirectional Associative Memory untuk Pengenalan Pola", *TEKNOIN*, Vol. 4, No. 10, pp. 11-18 ("Bidirectional Associative Memory for Pattern Recognition)
28. **Wahid, F.**, and Indarti, N. (1999) "Jaringan Saraf Tiruan untuk Penentuan Harga Saham pada Penawaran Perdana", *TEKNOIN*, Vol. 4, No. 9, pp. 62-76 (Artificial Neural Network Model for Initial Public Offering Pricing)

Refereed conference proceedings

1. Bjorn, F., and **Wahid, F.** (2008) "E-government Challenges and the Role of Political Leadership in Indonesia: the Case of Sragen", *Proceedings of the 41st Hawaii International Conference on System Sciences (HICSS) 2008*, Hawaii, January 7-10.
2. **Wahid, F.** (2007) "Pelajaran dari Implementasi e-Government di Sragen", *Proceedings of the National Seminar on Application of Information Technology 2007*, Yogyakarta, June 16, pp. K35-K37 (Lessons from e-Government Implementation in Sragen)
1. **Wahid, F.**, and Iswari, L. (2007) "Adopsi Teknologi Informasi oleh Usaha Kecil Menengah di Indonesia", *Proceedings of the National Seminar on Application of Information Technology 2007*, Yogyakarta, June 16, pp. J75-J80 (Adoption of Information Technology Among Indonesian SMEs)
2. **Wahid, F.** (2007) "Does Internet adoption between male and female users differ? Empirical evidences from Indonesia", *Presented at The 1st International Conference on "Living the Information Society: The Impact of Information and Communications Technologies on People, Work, and Communities in Asia"*, Makati, The Philippines, April 23-24.
3. **Wahid, F.** (2007) "Pelajaran dari Implementasi e-Learning: Perspektif Difusi Inovasi", *Proceedings of the National Conference on Information Systems*, Bandung, February 14-15, pp. 493-498 (Lessons Learned from e-Learning Implementation: Diffusion of Innovation Perspective)
4. Hendrik, and **Wahid, F.** (2007) "Penguujian Usabilitas Situs e-Learning Fakultas Teknologi Industri Universitas Islam Indonesia (Klasiber)", *Proceedings of the National Conference on Information Systems*, Bandung, February 14-15, pp. 517-520 (Usability Testing of e-Learning Website of Faculty of Industrial Technology, Islamic University of Indonesia (Klasiber))
5. **Wahid, F.** (2006) "Adopsi Metode Pengembangan Sistem Informasi di Indonesia: Studi Eskploratori Awal", *Proceedings of the National Seminar on Application of Information Technology 2006*, Yogyakarta, June 17, pp. E30-E37 (Adoption of Information Systems Development Methods in Indonesia: A Preliminary Exploratory Study)
6. **Wahid, F.** (2006) "Keahlian Teknologi Informasi yang Dibutuhkan di Indonesia: Hasil Pemindaian Media Massa dan Survei", *Proceedings of the National Conference on Information Systems*, Bandung, February 19, pp. 554-561 (Information Technology Skills Needed in Indonesia: Results from Mass-Media Scanning and A Survey)
7. Iswari, L., and **Wahid, F.** (2005) "Alat Bantu Sistem Inferensi Fuzzy Metode Sugeno Orde Satu", *Proceedings of the National Seminar on Application of Information Technology 2005*, Yogyakarta, June 18, pp. K-59-K64 (Inference Tools for First-Order Sugeno's Fuzzy Method)
8. Hakim, D. K., and **Wahid, F.** (2005) "Penerapan Arsitektur Three-Tier dengan Com+ dalam Portal Jurnal", *Proceedings of the National Seminar on Application of Information Technology 2005*, Yogyakarta, June 18, pp. H-59-H-63 (Using Three-tier Architecture and Com+ for Developing Journal Portal)
9. Gumilang, Indarto, W., and **Wahid, F.** (2004) "Computer Telephony Integration (CTI) Sistem Informasi Izin Mendirikan Bangunan (IMB)", *Proceedings of the National Seminar of Electrical Engineering Education*, Yogyakarta, December 11, pp. 145-152 (Computer Telephony Integration-based Information Systems for Building Licenses)
10. Nurhadi, A., Indarto, W., and **Wahid, F.** (2004) "Mobile SMS Sistem Informasi Izin Mendirikan Bangunan (IMB)", *Proceedings of the National Seminar of Electrical Engineering Education*, Yogyakarta, December 11, pp. 163-171 (Mobile SMS-based Information Systems for Building Licenses)
11. Syahputra, R., Indarto, W., and **Wahid, F.** (2004) "Software Keylogger Terenkripsi Menggunakan Pemrograman Windows API", *Proceedings of the National Seminar of Electrical Engineering Education*, Yogyakarta, December 11, pp. 153-161 (Encrypted Keylogger Software using Windows API Programming)
12. **Wahid, F.** (2004) "Motivasi Pembajakan Software: Perspektif Mahasiswa", *Proceedings of the National Seminar on Application of Information Technology 2004*, Yogyakarta, June 19, pp. H49-H54 (Motivations of Software Piracy: Students Perspective)
13. Gherman, A., **Wahid, F.**, Sein, M. K., and Dertz, W. (2003) "Determinants of Application Service Provider Adoption among Norwegian Companies", *Proceedings of NOKOBIT 2003*, Oslo, Norway, November 24-26, pp. 304-329.
14. **Wahid, F.**, and Indarti, N. (2003) "Simulasi Proses Bisnis dengan WebGPSS", *Proceedings of the National Seminar on Manufacturing Systems III*, Yogyakarta, Indonesia, October 11 (Process Business Simulation using WebGPSS).
15. **Wahid, F.**, and Gherman, A. (2002) "Empirical Test of Application Service Provider Adoption Model", *accepted to present at International Arab Conference on Information Technology*, Doha, Qatar, December 16-19, 2002.

16. **Wahid, F.** (2000) "Jaringan Saraf Tiruan untuk Penelitian Pemasaran" in Istiyanto, J. E., et al., eds. *Proceedings of National Seminar on Intelligent Systems in Engineering and Business*, pp. 221-232, Yogyakarta, Indonesia, July 1 (Artificial Neural Network in Marketing Research)
17. **Wahid, F.**, and Indarti, N. (2000) "Perbandingan Kinerja Jaringan Saraf Tiruan dan Model Regresi Ganda untuk Penentuan Harga Saham pada Penawaran Perdana" in Istiyanto, J. E., et al., eds., *Proceedings of National Seminar on Intelligent Systems in Engineering and Business*, pp. 69-78, Yogyakarta, Indonesia, July 1 (Comparison between Artificial Neural Networks and Multiple Regression Model for Initial Public Offering Pricing)
18. **Wahid, F.** (2000) "Jaringan Radial Basis Function dengan Algoritma Pembelajaran Orthogonal Least Squares untuk Peramalan", *Proceedings of Electric, Control, Communication, and Information Seminar 2000*, Brawijaya University, Malang, Indonesia, June 3-4 (Radial Basis Function Network with Orthogonal Least Squares Learning Algorithm for Forecasting)

Research reports

1. **Wahid, F.** (2007) "Adopsi Teknologi Informasi oleh Usaha Kecil dan Menengah di Indonesia", *Laporan Penelitian*, dibiayai oleh Direktorat Jenderal Pendidikan Tinggi Departemen Pendidikan Nasional (Adoption of Information Technology among Indonesian Small- and Medium-sized Enterprises)
2. **Wahid, F.** (2006) "Evaluasi Implementasi e-Learning", *Laporan Penelitian*, Jurusan Teknik Informatika, Fakultas Teknologi Industri Universitas Islam Indonesia (Dibiayai oleh Program Hibah Kompetisi A2)
3. **Wahid, F.** (2006) "Adopsi Metode Pengembangan Sistem Informasi di Indonesia", *Laporan Penelitian*, dibiayai oleh Direktorat Jenderal Pendidikan Tinggi Departemen Pendidikan Nasional (Adoption of Information System Development Methods (ISDM) in Indonesia)
4. **Wahid, F.** (2005) "Apakah Perempuan Terbelakang dalam Adopsi Internet?: Studi Empiris Di Indonesia", *Laporan Penelitian*, Jurusan Teknik Informatika, Fakultas Teknologi Industri Universitas Islam Indonesia (Dibiayai oleh Proyek Pengkajian dan Penelitian Ilmu Pengetahuan Terapan dengan surat perjanjian pelaksanaan penelitian nomor: 127/P2IPT/2004)
5. **Wahid, F.** (2005) "Keahlian Teknologi Informasi yang Dibutuhkan Industri di Indonesia: Hasil Pemindaian Lowongan Pekerjaan di Media Massa dan Survei", *Laporan Penelitian*, Jurusan Teknik Informatika, Fakultas Teknologi Industri Universitas Islam Indonesia (Dibiayai oleh Program Hibah Kompetisi A2)
6. Gherman, A., and **Wahid, F.** (2003) "Determinants of Application Service Provider Adoption Among Norwegian Companies", *Master's Thesis*, Department of Information Systems, Agder University College, Kristiansand, Norway.
7. **Wahid, F.** (1997) "Studi dan Aplikasi Jaringan Radial Basis Function dengan Algoritma Pembelajaran Orthogonal Least Squares dalam Peramalan", *Undergraduate Thesis*, Department of Informatics, Bandung Institute of Technology (Study and Application of Radial Basis Function Network with Orthogonal Least Squares Learning Algorithm in Forecasting)
8. Kamili, I., **Wahid, F.**, Burhan, I. F., Bhawono, I., and Fitri, A. (1996) "Software Engineering for Aircraft Control, Case Study: Rudder Trim Augmentation", *Internship Report*, Indonesian Aircraft Industry, Bandung (in Indonesian and English)

Books

1. **Wahid, F.** (2008) *Difusi Internet dan Warung Internet di Indonesia*. forthcoming. (Diffusion of Internet and Internet Cafes in Indonesia)
2. **Wahid, F.** (2007) *Teknologi Informasi dan Pendidikan*. Yogyakarta: Ardana Media dan Rumah Produksi Informatika (*Information Technology and Education*)
3. **Wahid, F.** (2004) *E-Dakwah: Dakwah Melalui Internet*, Yogyakarta: Gava Media (*E-Dawah: Dawah via Internet*)
4. **Wahid, F.** (2004) *Dasar-dasar Algoritma dan Pemrograman*, Yogyakarta: Penerbit Andi (*Principles of Algorithms and Programming*)
5. **Wahid, F.** (2003) *Kamus Istilah Teknologi Informasi*, Yogyakarta: Penerbit Andi (*Dictionary of Terms in Information Technology*)

(Invited) Talks/Presentations

1. "Meeting the Challenges of e-Government: Lessons from Sragen", presented at the *Young Scholar Workshop* held by ANU Crawford School of Economics and Governance, Jakarta, December 3, 2007.
2. "Pengalaman dari Implementasi e-Learning di Universitas Islam Indonesia", presented at *Konferensi Pembelajaran 2007*, Universitas Pembangunan Nasional "Veteran" Yogyakarta,

September 29, 2007 (Lessons Learned from e-Learning Implementation in Islamic University of Indonesia).

3. "Bagaimana Mengoptimalkan Peran Teknologi Informasi dalam Memasarkan Produk Usaha Kecil dan Menengah ke Pasar Global", presented at *Lokakarya Pemasaran UKM untuk PKBL/PUKK Perusahaan*, diselenggarakan oleh Gama Management Training, Yogyakarta, August 9-September 1, 2007. (Role of Information Technology to Support Small- and Medium-sized Enterprises to Enter Global Market)
4. "Introduction to ICT", presented at Training for Women Politicians in Yogyakarta, held by International Republican Institute (IRI) for local women politician, Yogyakarta, March 3-4, 2007.
5. "ICT in Yogyakarta", presented at seminar on "*Constituent Outreach, Public Participation, and the usage of ICT in Drafting Regional Regulations*", held by International Republican Institute (IRI) for members of local parliament, Yogyakarta, September 14 and 16, 2005.
6. "Peran Teknologi Informasi dalam Modernisasi Pendidikan Bangsa", presented at the "*Peduli Pendidikan*" *National Symposium*, organized by pendidikan@yahoogroups.com at Islamic University of Indonesia, Yogyakarta, July 9, 2005 (The Role of Information Technology in Modernization of National Education)
7. "e-Dakwah: Melengkapi Teledakwah dan Dakwah Konvensional", presented at *Roundtable Discussion "Dakwah Multimedia"* arranged by Pimpinan Pusat Muhammadiyah at Ahmad Dahlan University, Yogyakarta, November 27, 2004 (e-Da'wa: Supplementing Teledada'wa and Conventional Da'wa).
8. "Lessons from e-Government Initiatives in Indonesia", presented at the *Annual Workshop 2004 on e-Government, e-Democracy, and Development*, Agder University College, Kristiansand, Norway, October 11-12.
9. "Teknologi Informasi di Perguruan Tinggi: Peluang dan Tantangan", presented at *National Seminar on Application of Information Technology in Higher Education Institution*, Yogyakarta, September 15-16, 2004 (Information Technology in Higher Learning Institution: Opportunities and Challenges).
10. "Aplikasi Teknologi Informasi dalam Industri Manufaktur" (Application of Information Technology in Manufacturing Industry), in launching ceremony of 'Profesi' magazine, Yogyakarta, May 31, 2004.
11. "Artificial Neural Networks", in *National Workshop on Artificial Intelligence*, Yogyakarta, February 16-17, 2004.

Articles in Newspaper/Magazine

1. "Rendah, Adopsi Teknologi Informasi oleh UKM di Indonesia" in PIP Magazine, No. 281, January 2007 (with Indarti, N. of Gadjah Mada University)
2. "Inisiatif Teknologi Informasi Lokal Menuju Masyarakat Global" , in Kedaulatan Rakyat online, November 2001
3. "Bisnis Teknologi Informasi", in Kedaulatan Rakyat online, October 2001
4. "The Information Economy" in Kedaulatan Rakyat online, October 2001
5. "Menuju E-Government di DIY: Beberapa Pemikiran", in Kedaulatan Rakyat online, October 2001
6. "Internet dan E-Democracy", in Kedaulatan Rakyat online, October 2001

PAPERS IN PROGRESS

1. Evaluating focus and quality of Indonesian e-government websites (submitted to Pasific Asia Conference on Information Systems 2008 (PACIS 2008), Suzhou, China)

SERVICE

1. *Member*, Program Committee, Informing Science and Information Technology Education Conference 2008 (InSITE 2008), Varna, Bulgaria, June 22-25, 2008.
2. *Dean*, Faculty of Industrial Technology, Islamic University of Indonesia, 2006-present.
3. *Secretary*, Department of Informatics, Faculty of Industrial Technology, Islamic University of Indonesia, 2006.
4. *Editor*, Journal of Industrial Technology TEKNOIN, 2006-present.
5. *Member*, Program Committee, Informing Science and Information Technology Education Conference 2006 (InSITE 2006), Greater Manchester, England, June 25-28, 2006
6. *Member*, Organizing Committee, National Seminar on Application of Information Technology, 2005, 2006.
7. *Member*, Senate of Islamic University of Indonesia, 2005-present.
8. *Editor-in-chief*, Media Informatika, 2002-present.
9. *Chair*, Organizing Committee, National Seminar on Application of Information Technology, 2004.
10. *Head*, Laboratory of Information Systems and Software Engineering, Department of Informatics, Faculty of Industrial Technology, Islamic University of Indonesia, 2004-2005.
11. *Secretary*, Editorial Board, Journal of Industrial Technology TEKNOIN, 2003-2006.
12. *Co-editor*, Proceedings of National Seminar on Manufacturing Systems III, 2003.
13. *Reviewer*, Media Informatika, 2002-2005.
14. *Chair*, Organizing Committee, National Workshop on Intelligent/Information Fuzzy System Modeling: Theory and Application, 2000.
15. *Chair*, Organizing Committee, National Seminar on Intelligent System in Engineering and Business, 2000.
16. *Editor-in-chief*, Journal of Industrial Technology TEKNOIN, 1998-2000.
17. *Coordinator*, Task force with various responsibilities (department, faculty and university levels), 1998-present.
18. *Member*, Task force with various responsibilities (department, faculty and university levels), 1998-present.
19. *Head*, Research Center of Faculty of Industrial Technology, Islamic University of Indonesia, 1999-2000.
20. *Secretary*, Research Center of Faculty of Industrial Technology, Islamic University of Indonesia, 1998-1999.

Last updated on March 10, 2008