Parwadi Moengin

Position	Senior Lecturer in Operations Research
School / Work Unit	Department of Industrial Engineering, Faculty of Industrial Technology, Trisakti University, Jakarta Indonesia
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Location	Building: Herry Hartanto (F/G) Level: 5 Department of Industrial Engineering, Faculty of Industrial Technology, Trisakti University, Jl. Kyai Tapa No. 1 Grogol Jakarta 11440 Indonesia

Qualifications:

Doctor of Philosophy-PhD in Operations Research/Management Sciences, Universiti Putra Malaysia

Master of Science-M.Sc, Major: Applied Mathematics, Institut Teknologi Bandung, Indonesia

Bachelor of Science-Drs., Major: Mathematics, State University of Semarang, Indonesia

Research Interests:

Operations Reserach, Optimization, Modeling system, simulation system, quantitative management/operations research/management science, decision making.

From 1995 to now, I have supervised more than 30 research students (honors and masters by research).

Teaching experience:

Operations Reserach, Optimization, Modeling system, simulation system, quantitative management/operations research/management science, decision making.

Software application:

SPSS, Excel (Data Analysis, Solver), MAPLE, ProModel (Simulation), Powersim (Simulation)

List of Publications:

2000

Parwadi Moengin, "A solution for difference equations system", *Journal of Technology and Design*, 2000, 3(1), pp. 6 – 13.

Parwadi Moengin, "Linearized and Standard pairs in monik matrix polynomial", *Journal of Technology and Design*, 2000, 3(4), pp. 105 – 115.

2001

Parwadi Moengin, "Representation of monik matrix polynomial", *Journal of Technology and Design*, 2001, 4(2), pp. 51 – 58.

2002

Parwadi Moengin, Ismail Mohd and Noor Akma Ibrahim"Global behavior and several methods of numerical method in barrier and penalties function on the programming", *Proceeding on 10th Malaysia National Seminar on Mathematics*, 2002, Johor Bahru.

2004

Parwadi Moengin, "Solving linear programming problems using constrained linear equations system approach", *Journal of Industrial Engineering*, 2004, 3(1), pp.

Parwadi Moengin, "Quadratic penalty function approach to solve linear Programming", *Proceeding on National Seminar on Manufacturing System*, 2004, Yogyakarta

Parwadi Moengin, "Computer programming lab at the Department of Industrial Engineering University of Trisakti", *Proceeding of Workshop on Labaratory in the Industrial Engineering Department,* 2004, Bandung

2005

Parwadi Moengin, "Penalty method in constrained optimization", *Proceeding of The 4th National Conference Design and Application of Technology*, 2005 Universitas Katolik Widya Mandala Surabaya.

Parwadi Moengin, "A Model of the relationship between organizational culture and behavior of managers on job satisfaction of employees", *Proceeding of The 4th National Conference Design and Application of Technology*, 2005 Universitas Katolik Widya Mandala, Surabaya.

Parwadi Moengin, "Optimization model for the problem of optimal master production schedule to make-to-stock modeling", *Procedding on the 6th National Seminar on ICT,* 2005, Universitas Kristen Satya Wacana, Salatiga.

Parwadi Moengin, "Optimization model for the problem of determining the optimal amount of production of some types of products in multiple periods", *Procedding on the 6th National Seminar on ICT,* 2005, Universitas Kristen Satya Wacana, Salatiga.

2006

Parwadi Moengin, "Application of integer linear programming model for scheduling problems in parallel multiple sources simultaneously", 2006, *Proceding of National Seminar on Industrial Management,* Universitas Tarumanagara, Jakarta.

Parwadi Moengin, "Exponential penalty methods for convex programming under linear equation constraint", 2006, *Proceding of National Seminar on Industrial Management,* Universitas Tarumanagara, Jakarta.

Parwadi Moengin," Determining an optimal value of the present value function of the Arcelus-Srinivasan using the Taylor theorem", *Proceeding of National Seminar on Operations Research/Management Sciences,* 2006, Universitas Trisakti, Jakarta.

Parwadi Moengin," An algorithm for solving primal-dual linear programming using barrierfunction methods", *Proceeding of National Seminar on Operations Research/Management Sciences,* 2006, Universitas Trisakti, Jakarta.

2007

Parwadi Moengin, "Solution for limited linear programming problems using modified exponential-logarithm function", *Journal of Mathematics and its Learning*, 2007, VIII (Special Edition), pp.1055-1061.

2008

Parwadi Moengin, "Analytical model of integrated production-inventory-distribution system for steel billets", *Journal of Business and Management*, 2008, 6 (2), pp.352-30.

Parwadi Moengin, "*Metode Numerik*", Penerbit Universitas Trisakti, 2008, Jakarta.

Parwadi Moengin, "Penalty methods in constrained optimization", *Proceeding of IAENG International Conference on Operations Research,* International MultiConference on Engineers and Computer Scientists (IMECS), 2008, Hong Kong

2009

Parwadi Moengin, "Configuring the relationship between production systems, business strategy, competitive environment and organizational culture: a case study on manufacturing firms", *Journal of Business Research and Management*, 2009, 9(2), pp.135-152.

Parwadi Moengin, "*Optimasi: Teori, Metode dan Aplikasi*", Penerbit Universitas Trisakti, 2009, Jakarta.

2010

Parwadi Moengin, "Polynomial penalty Method for Solving Linear Programming Problems: An Introduction", *Proceeding of The 2010 International Conference of Applied and Engineering Mathematics*, World Conference on Engineering (WCE), 2010, London

Parwadi Moengin, "Polynomial penalty Method for Solving Linear Programming Problems", *IAENG International Journal of Applied Mathematics*, 2010, 40(3), pp.167-171.

2011

Parwadi Moengin, "Some algorithm for solving primal-dual linear programming using barrier methods", *International Journal of Mathematical Archive*, 2011, 2(1), pp.108-114.

Parwadi Moengin, "Exponential methods for convex programming under linear equations", *International Journal of Mathematical Archive*, 2011, 2(2), pp. 118-120

Parwadi Moengin, "An Integer Linear Programming Model and Heuristics Scheduling EDD for Hardboards Cutting Problem in a Modular Production System", *International Journal of Engineering & Technology*, 2011, 11(01), pp. 1-6.

Parwadi Moengin, "Polynomial Barrier Method for Solving Linear Programming Problems", *International Journal of Engineering & Technology*, 2011, 11(02), pp. 69-74.

Parwadi Moengin, "Exponential Penalty Methods for Solving Linear Programming Problems", *Proceeding of International Conference on Systems Engineering and Engineering Management*, World Conference on Engineering and Computer Sciences (WCECS), 2011, San Francisco.

Parwadi Moengin, "*Metode Optimasi*", Penerbit Muara Indah, 2011, Bandung.

Parwadi Moengin dan Wicaksono Harya Putra, "Penggunaan simulasi tata letak lantai produksi untuk meminimasi waktu produksi dan biaya penanganan material", *Prosiding Seminar Nasional dan Kongres BKSTI VI*, 2011, Medan Indonesia.

2012

Parwadi Moengin, "Exponential Barrier Method in Solving Linear Programming Problems", *Proceeding of International Seminar on Industrial and Engineering Management*, 2012, Manado Indonesia.

Parwadi Moengin, Winnie Septiani, Ferry Jie and Selvia Herviana, "A discrete event simulation methodology to evaluate and optimize the number of beds in A Hospital", *to be submitted to International Business Research Paper Journal.*

International Association Membership

IAENG (International Association of Engineers, Member Number: 64971)

IAENG Society of Industrial Engineering

IAENG Society of Information System Engineering

IAENG Society of Operations Research

Jakarta, 19 February 2012

(**Parwadi Moengin, Ph.D**)