

CURRICULUM VITAE

Name : Mulyadi Bur
Place/Date of Birth : Padang, 21 August 1958
Academic Position : Professor
Address : Structural Dynamics Laboratory
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EDUCATION

1. Dr.-Ing. from Institut für Leichtbau der RWTH Aachen, Germany, 1994, Structural Dynamics.
2. M.S. from Mechanical Engineering Department, ITB, Indonesia, 1988, Mechanical Vibration.
3. Ir. from Mechanical Engineering Department, ITB, Indonesia, 1985, Design and Construction of Machineries.

SELECTED KEYNOTE SPEAKER

1. Invited Speaker in Joint Meeting Inauguration of Indonesia Section of JSME International Chapter and AUN/SEED-NET Regional Workshop on Mechanical and Aerospace Engineering, Bandung, 2008.
2. Key Expert in International Dean's Course, Berlin, 2006.

RESEARCH AREA/SPECIALIZATION

1. Reconstruction of Forcing Function, Modal Analysis, Structural Identification, Health Monitoring of Structure and Preventive Maintenance.
2. Numerical Analysis, Structural Stability and Dynamical System Mechanics.
3. Design and Construction of Machineries.

SOME of SELECTED RESEARCH GRAND

1. Advanced Structural Identification, joint research with Structural Dynamics Design Laboratory, Department of Mechanical and Aerospace Engineering, Tokyo Institute of Technology, \$ 40.000 sponsor by JICA in fiscal year 2003.
2. Structural Identification, joint research with Structural Dynamics Design Laboratory, Department of Mechanical and Aerospace Engineering, Tokyo Institute of Technology, \$ 80.000 + Rp. 20 mi, sponsor by JICA in fiscal year 2001.
3. Research project in Design and Construction of Vibrating Screen, \$ 12.000 a year (average), sponsor by Padang Cement Industry in year 1995-2000.

SOME of WORK EXPERIENCE

1. Head of Sumatera Chapter, Indostaff 2010-2013
2. General Secretary of *Indonesian Consortium of Mechanical Engineering Higher Education*, 2009-2012
3. Head of Local Node of Indonesian Higher Education Networking (Inherent) since 2006-2012.

4. Director of Information Communication Technology in University of Andalas (ICT-Unand) since 2005-2012
5. Dean of Engineering Faculty, University of Andalas, August 2000-August 2004.
6. Vice Dean for Academic Affairs, Engineering Faculty, University of Andalas, 1998-2000.
7. Member of Mechanical Engineering Expert in Engineering Education Development Project, DGHE, 1997-2002.
8. Director of LPIU (Local Project Implementation Unit, ADB Loan No. 1432-INO) University of Andalas, 1996-2000.
9. Head of Structural Dynamics Laboratory, Mechanical Engineering Department, University of Andalas, since 1996.
10. Head of Mechanical Engineering Department, University of Andalas, 1988-1989.

SOME of As TRAINING FACILITATOR

1. Using Multi Media in Teaching and Learning Process, Training for Teaching Staff of Private University in West Sumatera, Jambi and Riau Provinces, since 2007.
2. E-Learning and IT Infrastructure Training for Teaching Staff in Andalas University since 2006.
3. Being a Dean at the University of Andalas, International Dean's Course, Freie Universitaet Berlin, Berlin, 29 November - 1 Desember 2006
4. Training for Enhancing of Quality of Research Proposal and Research Activity, HEDS-JICA & Engineering Faculty, University of Andalas, Padang, July 2000.
5. Teaching Improvement Workshop, Batch 6, ITB-EEDP ADB-DIKTI, Bandung, 2000.
6. Pair Research Activity in Higher Education and Industry: Training for Lecturer of Private University, KOPERTIS Wilayah X, Padang, 1999.
7. Teaching Improvement Workshop, Batch 5, University of Andalas-EEDP ADB-DIKTI, Padang, 1999.
8. Teaching Improvement Workshop, Batch 2, ITB-EEDP ADB-DIKTI, Bandung, 1998.
9. Teaching Improvement Workshop, Batch 1, ITB-EEDP ADB-DIKTI, Bandung, 1998.
10. Joint Research between Higher Education and Industrial Sector: Training and Workshop, P5D-DIKTI, Padang, 1998.

SOME of As TRAINING PARTICIPANT

1. The 5th IIEP-SEAMEO RIHED Workshop on Institutional Restructuring in Higher Education 28 July – 1 August 2009 University Malaysia Sabah, Kota Kinabalu Sabah, Malaysia
2. University Staff Development Programme, University of Kassel, April 20th to July 1st, 2008
3. Workshop Fakultatmanagement-Jahrestagung, DAAD-CHE-DIES, Berlin 27-28 November 2006
4. Engineering Education Management, University of Melbourne, Melbourne, 2002.
5. Administration Management for Higher Education and Information Technology at Saga University, Organized by JICA, Saga, 3-26 October 2001.
6. Individual Training Course in Mechanical Engineering at Tokyo Institute of Technology, Organized by JICA, Tokyo, 18 Sept.-6 Oct. 2000.
7. Workshop on Teaching Staff Management in Higher Learning Institution, HEDS-JICA, Jakarta, 2000.
8. Workshop of Total Quality Management in Higher Education, HEDS-JICA, Jakarta, 1999.
9. Seminar of Quality Assurance in Higher Education, University of Andalas, Padang, 1998.
10. Workshop of Total Quality Management, University of Andalas, Padang, 1998.
11. Workshop on Status, Function and Roles of Academic Dean, HEDS-JICA, Jakarta, 1998.

SOME of SELECTED PUBLICATIONS

1. Lovely Son, **Mulyadi Bur**, Eka Satria dan Ega Asyura Rizfa
Kaji Teoritik Efektifitas Peredam Getaran Hibrid Pada Struktur Bangunan
Seminar Nasional Tahunan Teknik Mesin (SNTTM) IX, Unsri, Palembang, 13-14 Oktober 2010.
2. Meifal Rusli, **Mulyadi Bur**, Harri Hidayat
Analisis Getaran Dan Suara Pada Rem Cakram Saat Beroperasi
Seminar Nasional Tahunan Teknik Mesin (SNTTM) IX, Unsri, Palembang, 13-14 Oktober 2010.
3. Syamsul Huda, **Mulyadi Bur** and Hadi Rahman
Sintesa Dimensi 2-Dof Mekanisme Paralel (Parallel Mechanism) Dengan Konstrain Disain Singularity Dan Workingspace
Seminar Nasional Tahunan Teknik Mesin (SNTTM) IX, Unsri, Palembang, 13-14 Oktober 2010.
4. **Mulyadi Bur**, Meifal Rusli, Eka Zedrosky, Minto Saksono, Tarlo Sembiring dan Mardian
Pengembangan Metode Penghitungan Praktis Berbasis Metode Superposisi untuk Analisis Statik Kiln (Studi Kasus Kiln Indarung IV PT. Semen Padang)
Seminar Nasional Tahunan Teknik Mesin (SNTTM) VIII, Undip, Semarang, 11-14 Agustus 2009
5. **Mulyadi Bur**, Syamsul Huda, Andrivoka, Minto Saksono, Tarlo Sembiring dan Mardian
Penentuan Tegangan dan Perkiraan Bentuk Ovality Pada Live Ring
(Studi Kasus Live ring Kiln Indarung IV PT Semen Padang)
Seminar Nasional Tahunan Teknik Mesin (SNTTM) VIII, Undip, Semarang, 11-14 Agustus 2009
6. Syamsul Huda, Yukio Takeda, **Mulyadi Bur**
Disain dan Analisis Kinematik Tiga Derajat Kebebasan Mekanisme Paralel Untuk Pengontrolan Orientasi
Seminar Nasional Tahunan Teknik Mesin (SNTTM) VIII, Undip, Semarang, 11-14 Agustus 2009
7. Lovely Son, Adriyan, **Mulyadi Bur**
Kaji Analitik dan Numerik Penerapan Momentum Exchange Impact Damper Pada Breaker Plate Impact Crusher
Seminar Nasional Tahunan Teknik Mesin (SNTTM) VIII, Undip, Semarang, 11-14 Agustus 2009
8. **Mulyadi Bur**, Herry Febrianto, Adriyan, Minto Saksono, Tarlo Sembiring, Mardian
Pemanfaatan Paket Program Excel Dalam Analisis Statik Kiln (Studi Kasus Indarung V PT. Semen Padang)
Seminar Nasional Tahunan Teknik Mesin (SNTTM) VII, Unsrat, Manado, 4-6 Nopember 2008
9. **Mulyadi Bur**, Masaaki Okuma, Meifal Rusli, Lovely Son
Comparison Study of Dynamical Structural Identification in Time and Frequency Domain (Part. II Experimental Aspect),
(To be published, 2004)
10. **Mulyadi Bur**, Jhon Malta, Feblil Huda, Masaaki Okuma
Experimental Study of Vibration on Rotor System Due To Unbalance Mass and Misalignment,
Jurnal Teknologi, (To be Published), 2004.
11. **Mulyadi Bur**, Meifal Rusli, Andi Rahmat Yani
Diagnosis Kerusakan Bantalan Gelinding Melalui Sinyal Getaran (*Diagnosis of Bearing Defect by Means The Response Signal*),
Jurnal Teknik Brawijaya, Malang, Desember 2003.
12. **Mulyadi Bur**, Eka Satria
Numerical Analysis for Developing Dynamics of Parameters of Rigid Body System, The 3rd International Conference on Numerical Analysis in Engineering 2003 (NAE 2003), Batam, March 2003.
13. **Mulyadi Bur**, Masaaki Okuma, Meifal Rusli, Lovely Son
Comparison Study of Dynamical Structural Identification in Time and Frequency Domain (Part. I Theoretical Aspect),
Seminar on Science and Technology 2002, Jakarta, 2002.

14. **Mulyadi Bur**

Numerical Study of Reconstruction of Support Motion on non-linear Structure by means Inverse-Williams Procedure,
International Seminar Experimental & Theoretical Mechanics -2002, Denpasar, 18-19 March 2002.

15. **Mulyadi Bur**, Abdul Rahman

Numerical Analysis for Combined Structure by means Finite Element Method,
Jurnal Penelitian Andalas, No. 37/Januari/Tahun XIV/2002, Padang, 2002.

16. **Mulyadi Bur**, Huba Öry, Hans-Günter Reimerdes

Rekonstruksi Gangguan Dalam Selang Waktu Pada Tumpuan Pada Struktur Linear
(*Reconstruction of Time Domain Support Motion on Linear Structure*),
Experimental and Theoretical Mechanics (ETM-2001), Bandung, 27-28 Juni 2001.

17. **Mulyadi Bur**, Efrizal, Zeki Midi, Johan Samudra

Analisis Kekuatan Material dan Sambungan Las Pada Struktur Shiploader (*Stress Analysis in Welded Joint of Shiploader Structure*),
Jurnal Penelitian Andalas, No. 34/Januari/Tahun XIII/2001, Padang, 2001.

SOME of VISITING ACTIVITY

- 1 University Malaysia Sabah, Sponsored, SEAMEO-UNESCO-RIHED, Juli 2009.
- 2 Großrechner-Zentrum (ICT-Center) University of Kassel, Germany, Sponsored DAAD, Juni 2008
- 3 Fachbereich Strukturtechnik TH Darmstadt, Germany, Sponsor DAAD, Desember 2006.
- 4 Freie Universitaet Berlin dan Humbolt Universitaet, Germany, Sponsor CHE-DIES, November 2006.
- 5 RWTH Aachen, Sponsored by DAAD, Okt. 2005 - Januari 2006.
- 6 University of Melbourne, Monash University, Ballarat University and Kangen BATMAN Tafe, Australia, Sponsor by EEDP-ADB-Loan 1432-INO, Juli-Agustus 2002.
- 7 Saga University and Yokohama University, Japan, Sponsored by JICA, September-Oktober 2001.
- 8 Tokyo Institute of Technology and Toyohashi University of Technology, Japan, 2000
- 9 Wisconsin University and Minnesota University, USA, Sponsored by EEDP-ADB-Loan 1432-INO, Desember 1997.
- 10 Chuo University, Japan, Sponsored by JSPS, September 1995.

PROFESIONAL ORGANIZATION

1. General Secretary of Indonesian Consortium Mechanical Engineering higher education, 2009-2012
2. Member of Japan Society of Mechanical Engineering (JSME) since 2008
3. Member of Organizing Comitee in Mechanical Engineering Group, The Institution of Engineer - Indonesia (IEI), 2002-2005.
4. Member of Society of Automotive Engineers for Indonesia (IATO), since 1985.

Padang, Oktober 2010



Prof. Dr.-Ing. Mulyadi Bur