

CURRICULUM VITAE

A- PERSONAL DETAILS

Surname or Family Name (s): Irsyam

Forename (s): Masyhur

Title Prof., Dr., MSE.

Country of Residence: Indonesia

Nationality: Indonesia

Place or Birth: Salatiga, Indonesia

Date of Birth: September 29, 1959

Marital Status: Married

Present Position:



- | | |
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| President | - Indonesian Society for Geotechnical Engineering (HATTI) |
| Head | - Research Centre for Disaster Mitigation (PPMB) ITB |
| Head | - Geotechnical Engineering Research Group of ITB |
| Chair | - Team for Revision of Seismic Hazard Maps of Indonesia |
| Coordinator | - Implementation Team for Development of Seismic Risk Maps in Micro Scale for Big Cities in Indonesia |
| Coordinator | - Working Group on Earthquake Disaster, Indonesian Association of Disaster Experts (Ikatan Ahli Kebencanaan Indonesia IABI) |
| Coordinator | - Indonesian Codes related to Geotechnical Engineering, SNI Geoteknik |
| Member | - Indonesian Academy of Sciences (APII) |
| Member | - Advisory Boards of Building Construction for DKI Jakarta and Bandung |
| Member | - Team for Revision of Indonesian Earthquake Resistance Code: (1) for building, Revision of SNI 1726-2002, (2)for bridge, Revision of SNI 2833 2008, (3) and dams. |
| Member | - Editorial Board of Journal of Engineering and Technological Sciences |
| Member | - Science Advisory Pane for the National Seismic Hazard Assessment 2018 of Australia |

Languages: Indonesia, English

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Bandung 40135, Indonesia

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B- ACADEMIC BACKGROUND

	<u>Degree</u>	<u>University/ Institute</u>	<u>Field</u>	<u>Year</u>
1.	Ir (BSc)	Civil Engineering Department, Institut Teknologi Bandung (ITB), Bandung, Indonesia	Civil Engineering	1983
2.	MSE	Civil & Environmental Engineering Department, University of Michigan, Ann Arbor, USA	Geotechnical Engineering	1988
3.	PhD	Civil & Environmental Engineering Department, University of Michigan, Ann Arbor, USA	Geotechnical Engineering	1991
4.	Post Doctoral	Civil & Environmental Engineering Department, University of Michigan, Ann Arbor, USA	Geotechnical Engineering	1992

C- PROFESSIONAL EXPERIENCE (positions held and nature of work)

	<u>Position held and nature of work</u>	<u>Year</u>
1.	Lecturer at Civil Engineering Department, ITB	1984-now
2.	Researcher at Geotechnical Engineering Laboratory, Engineering Sciences of Inter University Centre, ITB	1992-2004
3.	Head - Soil Mechanics Laboratory, Civil Engineering Department, ITB	2001-2004
4.	Foundation and Earthquake Geotechnical Specialist - actively involves as a foundation and geotechnical earthquake expert in major projects of infrastructures in Indonesia (inter island long span bridges, high rise buildings, toll roads, railway tracks, power plants) and in the developments of Indonesian Codes and Standards related to the field of geotechnical and earthquake engineering.	1992-now
5.	Head - Geotechnical Engineering Research Group of ITB	1998-2007 2003-now
6.	Member - Post-earthquake rapid assessment team of ITB and HATTI after earthquake including Flores (1992), Liwa (1996), Bengkulu (2000), Aceh (2004), Padang Earthquake (2009) etc.	1992-now
7.	Head - Research Centre for Disaster Mitigation (PPMB), ITB	2011-now
8.	Certified –Professional Fellow/Senior Geotechnical Engineer (G2 HATTI)	2003-now
9.	Member - TC39 Technical Committee for Geotechnical Engineering for Coastal Disaster Mitigation and Rehabilitation of the International Society for Soil Mechanics and Geotechnical Engineering	2005-2009
10.	President - Indonesian Society for Geotechnical Engineering (HATTI)	2011-now
11.	Chair - National Team for Revision of Seismic hazard Maps of Indonesia 2010 (established by the Ministry of Public Works of Indonesia)	2009-2012
12.	Coordinator -Technical Committee of Team for Development of Seismic Hazard Maps of Indonesia 2015 (established by National Disaster Management Agency BNPB)	2015-now
13.	Member - Editorial Board of Journal of Engineering and Technological Sciences	2010-now

14.	Coordinator - National Implementation Team for Development of Seismic Risk Maps in Micro Scale for Big Cities in Indonesia (established by the Coordinator Ministry of Public Welfare of Indonesia)	2011-now
15.	Member - Advisory Boards for Building Construction of Jakarta Metropolitan City (established by the Governor of Jakarta) and City of Bandung	2010-now 2014-now
16.	Coordinator-Indonesian Codes related to Geotechnical Engineering, SNI Geoteknik (established by the Ministry of Public Works, collaboration between the Ministry of Public Works with Indonesian Society for Geotechnical Engineering HATTI)	2015-now
17.	Coordinator - Working Group on Earthquake Disaster, Indonesian Association of Disaster Experts (Ikatan Ahli Kebencanaan Indonesia IABI)	2014-now
18.	Coordinator - Academic Text National Master Plan for Earthquake (established by National Disaster Management Agency BNPB)	2015-now
19.	Certified – Asean Chapter Professional Engineer ACPE	2014-now
20.	Member ACT1 of ISSMGE (International Society for Soil Mechanics and Geotechnical Engineering) “Geotechnical Mitigation and Adaptation to Climate Change-Induced Geo-Disaster in Asia-Pacific Regions”	2014-now
21.	Coordinator - Academic Paper of Indonesian Earthquake Master Plan, Report prepared to the National Disaster Management Agency BNPB	2014
22.	Indonesian Academy of Sciences (AIPI)	2015

- a. As a PhD in geotechnical engineering from the University of Michigan and as a Certified Professional Senior Geotechnical Engineer (G2 HATTI), since 1992 Masyhur Irsyam actively involves as a foundation, geotechnical, and geotechnical earthquake expert in major projects of infrastructures in Indonesia such as: inter island long span bridges (Jembatan Suramadu, Jembatan Cipada, Jembatan Cijung, Jembatan Cikubang, Flyover Cirebon, dll); high rise buildings (Bank Bukopin Surabaya, SSRS Gedung Gudang Garam, dll); toll roads (Cipularang toll road, Semarang-Bawen toll road, etc); railway tracks (railway beridges along double track Ciganea-Sukatani, railway beridges along double track Cirebon-Kroya, soil improvement along railway double track North Semarang, etc); power plants (PLTU Cilacap, PLTU Teluk Naga, PLTU Sibolga, PLTU Timika, PLTU Bima, PLTU Pacitan, etc); port and harbours (Tanjung Emas Port, Tanjung Perak Port, Tanjung Priok Container Yard, etc); runways (Kuala Namu, Tanah Toraja, Banda, etc).
- b. As the Chair of the National Team for Revision of Seismic hazard Maps of Indonesia (established by the Ministry of Public Works of Indonesia in 2009)

he actively involves in the developments of Indonesian Codes and Standards (such as SNI 1726-2012, Manuals, and Guidelines related to the field of earthquake engineering and in the development of seismic microzonation for mega cities in Indonesia.

- c. As the President of the Indonesian Society for Geotechnical Engineering he actively participates in national and international seminars and workshop related to the field of geotechnical engineering and in the development of Indonesia Codes/Standard, Manuals, and Guidelines related to the field of geotechnical engineering.
- d. As the Head of the Research Centre for Disaster Mitigation (PPMB) ITB, he actively involves in the national and international activities related to Disaster Risk Reduction in Indonesia, especially related to earthquake hazard.
- e. As the Head of the Geotechnical Engineering Research Group of ITB, he actively involves in research collaborations between ITB and other universities and institutions.

D- MEMBERSHIP OF INSTITUTIONS & PROFESSIONAL BODIES

	Institutions and Professional Bodies	Year
1.	Member of Indonesian Society for Geotechnical Engineering (HATTI)	1992-now
2.	Member of International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE)	2001-now
3.	Member of TC39 Technical Committee for Geotechnical Engineering for Coastal Disaster Mitigation and Rehabilitation of the International Society for Soil Mechanics and Geotechnical Engineering	2005-2009
4.	Member of Indonesian Earthquake Engineering Association (IEEA)	1999 - now
5.	Member of Advisory Boards for Building Construction of Jakarta Metropolitan City and City of Bandung	2010-now
6.	Member of ACT1 of ISSMGE (International Society for Soil Mechanics and Geotechnical Engineering) “Geotechnical Mitigation and Adaptation to Climate Change-Induced Geo-Disaster in Asia-Pacific Regions”	2014-now
7.	Indonesian Association of Disaster Experts (Ikatan Ahli Kebencanaan Indonesia IABI)	2014-now

E- HONOURS, PRIZES, MEDALS & AWARDS

- a. Contribution as a Geotechnical Expert in the Construction of the Inter Island Jawa-Madura (Suramadu) Long Span Bridge, the Ministry of Public Works of Indonesia, 2009.
- b. 10th years Good Performance Indonesian Government Employees, 2003.
- c. 20th years Good Performance Indonesian Government Employees, 2007.
- d. Achievement in Innovation Works, Insritut Teknologi Bandung, 2016

F- PATENTS

- a. Bamboo Piles and Mattresses for Improvement of Embankments on Soft Soil, Directorate General of Intellectual Property Right, Department of Justice and Human Right of Republic of Indonesia, Agenda No. P00200600506, August 30, 2006.

G- CONFERENCES ATTENDED² (speaker, author and/or participant)

As the author and the speaker:

1. **Irsyam, M.**, Dermawan, H., (2016) "*Soi Improvement Using Vacuum Consolidation for Palembang-Indralaya Tol Road Project*," Keynote speaker, Nationa Seminar on Geotechnical Engineering, University of Andalas, March 30, Padang.
2. **Irsyam, M.**, Sengara, I.W., Aldiamar, F., Widiyantoro, S., Triyoso, W., Natawidjaja, D.H., Kertapai, E., Meilano, I., Suhardjono, Asrurifak, M. Ridwan, M., Hutabarat, D., Sidi, I.D., Merati, M. (2016) "*Development of Seismic Hazard and Risk Maps for New Seismic Building and Infrastructure Codes in Indonesia*," Keynote speaker, Seminar on Geotechnical Earthquake Engineering in Malaysia, 1-2 March, Kuala Lumpur.
3. Alatas, I., **Irsyam, M.**, Himawan, A., Nawir, H., Wiriodinoto, I., (2015) "Instability of a High Cut Slope of Volcanic Breccia Laid on Clay Shale at KM 31+875 in Central Java, Indonesia (repeat paper)", Keynote speaker, International Conference on Landsides and Sope Stability, Parahyangan Catholic University and Indonesian Research Institute, September 27-30, Bali.
4. **Irsyam, M.**, Boesono, A., Soebagyo, and Destiawan, (2015) "Geotechnical Experience During Design and Construction of the Suramadu Bridge Foundation", Tung Feng Seminar on Foundations of Mega Projects, Tung Feng-CECI-Sino Geotechnology, September 17, Jakarta.

5. Alatas, I., **Irsyam, M.**, Himawan, A., Nawir, H., Wiriodinoto, I., (2015) "Instability of a High Cut Slope of Volcanic Breccia Laid on Clay Shale at KM 31+875 in Central Java, Indonesia", Invited speaker, the 16th Conference on Current Researches in Geotechnical Engineering in Taiwan, Taiwan Geotechnical Society, September 2-4, Kaohsiung, Taiwan.
6. **Irsyam, M.** and A. Kartawiria (2015) "Land Subsidence of Jakarta from the Perspective of Geotechnical Engineering", Invited speaker, International Roundtable Discussion on Land Subsidence, Government of Jakarta and Ministry of Public Works, May 25-26, Jakarta.
7. **Irsyam, M.** and A. Kartawiria (2015) "Land Subsidence of Jakarta", Invited speaker, Water and Sanitation toward Sustainable Development, Indonesia International Water Week, Ministry of Public Works, May 27-29, Jakarta.
8. **Irsyam, M.**, (2015), "Sustainable Recovery from Geotechnical Engineering Perspective", UN World Conference on Disaster Risk Reduction, March 14-18, Sendai, Japan.
9. **Irsyam, M.**, Sengara, I.W., Aldiamar, F., Widiyantoro, S., Triyoso, W., Natawidjaja, D.H., Kertapai, E., Meilano, I., Suhardjono, Asrurifak, M. and Ridwan, M. (2015), "Seismic Condition, New Seismic Hazard Maps, and Earthquake Resistance Design for Building and Infrastructures in Indonesia", Invited Speaker, Kuliah Umum PusAir, Ministry of Public Works, February 28, Bandung.
10. **Irsyam, M.**, Sengara, I.W., Aldiamar, F., Widiyantoro, S., Triyoso, W., Natawidjaja, D.H., Kertapai, E., Meilano, I., Suhardjono, Asrurifak, M. and Ridwan, M. (2014), "New Seismic Hazard Maps for Design of Earthquake Resistance Buildings and Infrastructures in Indonesia", Keynote Speaker, The Hong Kong University of Science and Technology, 7 December, Kowloon, Hongkong.
11. **Irsyam, M.**, et al., (2014) "Progress: Study on the Development of Seismic Microzonation Maps of Jakarta", Keynote speaker, 18th Annual National Conference on Geotechnical Engineering, Indonesian Society for Geotechnical Engineering HATTI, November 11-12, Jakarta.
12. **Irsyam, M.** and A. Kartawiria (2014) "Land Subsidence along North Seaside of Java and Its Effects on Jakarta Flood Strategy", Keynote speaker, Southeast Asia Geotechnical Conference on Soft Soils Engineering and Ground Improvement, University Parahyangan and Tun Hussein Onn University, October 21-22, Bandung.
13. **Irsyam, M.**, et al., (2014) "Development of Seismic Risk Microzonation Maps of Jakarta City", Keynote speaker, 4th International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation (4th GEDMAR), September 16-18, 2014, Kyoto University, Japan.
14. **Irsyam, M.**, Sengara, I.W., Aldiamar, F., Widiyantoro, S., Triyoso, W., Natawidjaja, D.H., Kertapai, E., Meilano, I., Suhardjono, Asrurifak, M. and Ridwan, M. (2012), "New Seismic Hazard Maps for Design of Earthquake Resistance Buildings and Infrastructures in Indonesia", Keynote Speaker, The Hong Kong University of Science and Technology, 7 December, Kowloon, Hongkong.

15. **Irsyam, M.**, Jayaputra, A.A., Himawan, A., and Kartawiria, A. (2012), “Counter Measures for Embankment Failure on Clay Shale of Cipularang Toll Road in Indonesia”, Keynote speaker, Seminar on Ground Improvement and Slope Engineering, The Hongkong Institution of Engineers – Hongkong Geotechnical Society, December 8, Hongkong.
16. **Irsyam, M.** (2012), “*Utilization of Bamboo Piled-Matress for Improvement of Soft Soil*”, Keynote speaker, National Seminar on Soft Soil, Indonesian Society for Geotechnical Engineering, November 7, Pontianak, West Kalimantan, Indonesia.
17. **Irsyam, M.**, Asrurifak, M., Widiyantoro, S., Meilano, I., and Himawan, A. (2012) “*Seismicity Around the Sunda Strait Bridge and Experience in Design and Construction of the Inter Island Surabaya-Madura Bridge Foundation*”, 2nd International Workshop: On Long Span Bridge Toward Development of Sunda Strait Bridge, Ministry of Public Works of Indonesia, March 27, Jakarta, Indonesia.
18. **Irsyam, M.**, Jayaputra, A., Himawan, A., and Kartawiria, A. (2011) “*Landslides Cases in Clay shale and Their Solutions*”, Keynote speaker, The 9th Indonesian Geotechnical Engineering Conference, Indonesian Society for Geotechnical Engineering, December 7-8, Jakarta, Indonesia.
19. **Irsyam, M.**, Sengara, I.W., Aldiamar, F., Widiyantoro, S., Triyoso, W., Natawidjaja, D.H., Kertapai, E., Meilano, I., Suhardjono, Asrurifak, M. and Ridwan, M. (2011), “New Seismic Hazard Maps of Indonesia for Design of Earthquake Resistance Infrastructures”, International Insurance Gathering on “Catastrophe: Challenges for life & Non-Life Insurance Industry – Learning and Sharing Experiences from 11 March 2011 Earthquake & Tsunami in Japan”, Keynote speaker, October 13, Bali, Indonesia.
20. **Irsyam, M.**, Sengara, I.W., Aldiamar, F., Widiyantoro, S., Triyoso, W., Natawidjaja, D.H., Kertapai, E., Meilano, I., Suhardjono, Asrurifak, M. and Ridwan, M. (2011) “*Development of Maximum Considered Earthquake for Earthquake Resistance Building Design in Indonesia*”, The 14th Annual Scientific Meeting, Indonesian Society for Geotechnical Engineering, February 10, Yogyakarta, Indonesia.
21. **Irsyam, M.**, Sengara, I.W., Aldiamar, F., Widiyantoro, S., Triyoso, W., Natawidjaja, D.H., Kertapai, E., Meilano, I., Suhardjono, Asrurifak, M. and Ridwan, M. (2010) “*Development of Probabilistic, Deterministic, and Maximum Considered Earthquake Maps for Design of Earthquake Resistance Infrastructures in Indonesia*”, The 3rd International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation 2011 (GEDMAR 2011), International Society for Soil Mechanics and Geotechnical Engineering, May 18-20, Semarang, Indonesia.
22. **Irsyam, M.**, Himawan, A., Susila, E., and Hendriyawan (2010) “*Bored Pile Solution for Embankment Failure on Clay Shale: Design, Analyses of Static and Earthquake Conditions and Field Slope Monitoring of the KM 97+500 Cipularang Toll Road in Indonesia*”, Proceedings The Seventeenth Southeast Asian Geotechnical Conference, May 10-13, Taipei, Taiwan.
23. **Irsyam, M.**, Sengara, I.W., Aldiamar, F., Widiyantoro, S., Triyoso, W., Natawidjaja, D.H., Kertapai, E., Meilano, I., Suhardjono, Asrurifak, M. and Ridwan, M. (2010) “*Progress of Earthquake Hazard Mapping in Indonesia*”,

UNESCO-IPRED Workshop on Surveys and Activities of Post Earthquake Disaster, UNESCO-IPREP, July 6-8, Padang, Indonesia.

24. **Irsyam, M.**, Asrurifak, M., Hendriyawan, Latif, H., Razali, N. and Firmanti, A. (2010) "*Seismic Hazard Map of Indonesia and Geotechnical and Tsunami Hazard Assessment for Banda Aceh*", Keynote speaker, International Conference on Geotechnics/ Earthquake Geotechnics towards Global Sustainability, January 12-14, Kyoto Sustainability Initiative, Kyoto University, Kyoto, Japan.
25. **Irsyam, M.**, Asrurifak, M., Budiono' B., Triyoso, W., Merati, W., Sengara, I., and Firmanti, A (2009) "*Development of Spectral Hazard Map for Indonesia Using Probabilistic Method by Considering Difference Values of M_{max} for Shallow Background Sources*", Proceedings The 1st International Conference on Sustainable Infrastructure and Built Environment in Developing Countries, November 2-3, Institut Teknologi Bandung, Bandung, Indonesia.
26. **Irsyam, M.**, Hassan, L., and Hussein, A. (2009) "*Experimental Study of the Load Transfer Mechanisms between Ribbed Anchors and Sands*", Proceedings 17th International Conference on Soil Mechanics and Geotechnical Engineering, October 5-9, Alexandria, Egypt.
27. **Irsyam, M.** (2008) "*Development of Spectral Hazard Maps for Proposed Revision of Indonesia Seismic Building Code*", 3rd International Seminar on Earthquake Disaster Mitigation, Bridging Knowhow on Earthquake Disaster Mitigation and Practical Application for People Living at High Risk Earthquake Region, November 27, Bandung, Indonesia.
28. **Irsyam, M.**, Krisnanto, S., and Wardhani, S.P.R, (2008) "*Instrumented Full Scale Test and Numerical Analysis To Investigate Performance of Bamboo Pile – Mattress System as Soil Reinforcement for Coastal Embankment on Soft Clay*", Proceedings of The 2nd International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation (GEDMAR08), May 30 – June 2, Nanjing, China.
29. **Irsyam, M.**, M. Asrurifak, Hendriyawan, Budiono, B., Triyoso, B., and Hutapea, B. (2008) "*Proposed Revision of Seismic Hazard Maps of Indonesia Using 3-D Source Model*", Keynote speaker, Proceedings Contributions of Geotechnical Engineering to Sustainable Civil Constructions, The 12th Annual Scientific Meeting, Indonesian Society for Geotechnical Engineering, November 18-19, Bandung, Indonesia.
30. **Irsyam, M.**, Sahadewa, A. (2008) "*Geotechnical Challenge in the Design and Construction of Foundations for Long Span Bridges: Cikubang, Cipada and Suramadu*", National Seminar on Challenge, Opportunity, and Infrastructure Technology for Future Railway in Indonesia, February 16, Jember, Indonesia.
31. **Irsyam, M.**, Sahadewa, A., Boesono, A., Soebagjo, and Destiawan (2007) "*Bearing Capacity Of Grouted Bored Piles in Clay-Shale's of The Suramadu Bridge*", Proceeding of the 13th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, December 10 – 14, Kolkata, India.
32. **Irsyam, M.**, Susila, E., Himawan, A. (2007) "*Slope Failure of An Embankment on Clay Shale at KM 97+500 of The Cipularang Toll Road and The Selected Solution*", Proceeding of the International Symposium Geotechnical Engineering, Ground Improvement and Geosynthetics for Human Security and Environmental Preservation, December 6-7, Bangkok, Thailand.

33. **Irsyam, M.,** Dangkoa, D.T. (2007) "*Seismic Hazard Analysis for Semarang*", Proceedings The 4th International Conference on Disaster Prevention and Rehabilitation "Improving Human Communities Through International Cooperation, September 10-11, University of Diponegoro, Semarang, Indonesia.
34. **Irsyam, M.,** Himawan, A., (2006) "*Concept of Safety Factor and Applications of Finite Element Method in the Slope Stability Analysis*", Proceedings Geotechnical Engineering Seminar: Problems and Technology for Landslide Measures in Indonesia, University of Brawijaya, May 3-4, Malang, Indonesia.
35. **Irsyam, M.,** Dangkoa, D. T., (2006) "*Seismic Hazard Analysis, Current and Required Improvements for Development of Seismic Hazard Map Indonesia*", Proceedings National Seminar on Development of Codes and Construction Methodology for Earthquake Resistance Buildings, Indonesia Society of Civil and Structural Engineers, June 8-9, Medan, Indonesia.
36. **Irsyam, M.,** Cahyadi, B., Rustiani, S., and Surono, A., (2006) "*Case Study: Tension Failure of Ground Anchors During Basement Excavation in Jakarta*", Proceeding The Role of Geotechnics in Civil Engineering Construction, Proceedings The 10th Annual Scientific Meeting, Indonesian Society for Geotechnical Engineering, December 6-7, Jakarta, Indonesia.
37. **Irsyam, M.,** Kartawiria, A.K.S., and Rustiani, S. (2006) "*Determination of Bearing Capacity of Driven Piles and Analysis of Setup Time for Foundations of Offshore Platform*", The Role of Geotechnics in The Role of Geotechnics in Civil Engineering Construction, Proceedings The 10th Annual Scientific Meeting, Indonesian Society for Geotechnical Engineering, December 6-7, Jakarta, Indonesia.
38. **Irsyam, M.,** Dangkoa, D.T., and Kusumastuti, D., (2006) "*Seismic Design Criteria for Suramadu Cable Stayed Bridge*", Proceedings National Seminar on Construction in Indonesia in the 3rd Millennium, Indonesia Society of Civil and Structural Engineers, Jakarta, Indonesia.
39. **Irsyam M.,** Kartawiria, A.K.S., Valianti, M., and Rustiani S. (2005) "*Geotechnical Problem During Foundation Design and Construction at Cipada Bridge, Cikubang Bridge, Ciujung Bridge : A Case Study at Phase II of Cipularang Toll Road Development Project*", Proceedings 3rd International Conference on Geotechnical Engineering Combined with 9th Yearly Meeting of The Indonesian Society for Geotechnical Engineering, Semarang, Indonesia.
40. **Irsyam, M.,** Dangkoa, D. T., Kertapati, E., Subki, B., and Rustiani, S., (2005) "*Development of Existing Seismic Hazard Map of Indonesia and Required Future Improvement*", National Workshop on Tsunami and Earthquake Hazard Mitigation-Considerations for Malaysian Planning, Design, & Construction Practice, Housing Research Centre Faculty of Engineering University of Putra Malaysia-Academy of Science Malaysia, Malaysia.
41. **Irsyam, M.** (2005) "*Stability Analysis for Coastal Embankment A Case Study at Discharge Casual Embankment of The Tambak Lorok Combine Cycle Power Plant*", Proceedings Geotechnical Engineering Seminar: Seminar Slope Failures and Stabilization Methods, Indonesian Society for Geotechnical Engineering, Surabaya, Indonesia.
42. **Irsyam M.,** Kartawiria, A.K.S., (2005) "*Geotechnical Problems Encountered During Design and Construction of Cipularang Toll Road Phase II*", Proceedings

Seminar on Tradition and Innovation: Special Topics on the Cipularang Toll Road and Bridges, Indonesia Society of Civil and Structural Engineers, Jakarta, Indonesia.

43. **Irsyam, M.**, Kertapati, E., and Dangkoa, D.T., (2004) “*Development of Input Ground Motions and Site-Specific Response Analysis for High Rise Buildings and Long Span Bridges (Case Study of Jawa-Sumatera Bridge)*”, National Seminar on Structural Engineering 2004, Parahyangan Catholic University, Bandung, Indonesia.
44. **Irsyam, M.**, Dangkoa, and D.T., and Pujito, P.A. (2003) “*Development of Seismic Microzonation and Site-Specific Response Analysis for Design of Earthquake Resistance Buildings, Case Study of Jakarta City*”, Proceedings Seminar on the Recent Developments in Geotechnical Engineering, University of Pelita Harapan - Indonesian Society for Geotechnical Engineering – American Society of Civil Engineers, Jakarta, Indonesia.
45. **Irsyam, M.**, Purwana, O.A., Hendriyawan, and Wahyudi, P.A. (2002) “*Overview of Seismotectonic Setting and Earthquake Microzonation for Semarang*”, Proceeding of The Fifth International Seminar on Geotechnical Engineering, Geotechnical Engineering Application for Mitigation of Natural Disaster, Semarang, Indonesia.
46. **Irsyam, M.**, Merati, W., Hendriyawan, and Purwana, O.A. (2002) “*Seismic Risk Analysis and Microzonation Study for Jakarta*” Proceedings Asia-Pacific Economic Cooperation (APEC) Conference on Construction, Nusa Dua, Bali, Indonesia.
47. **Irsyam, M.**, Nugroho, A., Purwana, O.A., and Firmansyah, J. (2002) “*Settlement Analysis of a 5-Story Building on Soft Clay and Utilization of Jacked Piles for Counter Measure*”, Proceedings Recent Developments in Solving Geotechnical Problems in Indonesia, The 6th Annual Scientific Meeting, Indonesian Society for Geotechnical Engineering, October 30-31, Surabaya.
48. **Irsyam, M.**, Hoedadjanto, D., Hendriyawan, Kiuchi, K., Wibianto, B., and Susetyo, H. (2001) “*Landslide Analysis and Selection of Counter Measure; Case Study Railway Track Ciganea-Sukatani km 111+02*”, Proceedings The 5th Annual Scientific Meeting, Indonesian Society for Geotechnical Engineering, November 7-8, Bandung, Indonesia.
49. **Irsyam, M.**, Purwana, O.A., Hendriyawan, Wahyudi, P.A., and Sulaksono, A. (2001) “*Seismicity Study, Earthquake Microzonation, and Development of Response Spectra for Semarang City*”, Proceedings the 5th Annual Scientific Meeting, Indonesian Society for Geotechnical Engineering, November 7-8, Bandung, Indonesia.
50. **Irsyam, M.**, Djajaputra, A., and Hussein A. (2000) “*Stability Problems near Tunnel Excavation: A Case Study During The Construction CW Intake Tunnel of The Tambak Lorok Combine Cycle Power Plant*”, Proceedings of The Third Asia Young Geotechnical Engineering Conference Singapore, Singapore.
51. **Irsyam, M.**, Hadi, A., Shouman, M., Herdiyanto, I., Hendriyawan, and Munawir, A. (2000) “*Behavior and Estimation of Settlement of Peat Soil Using Rowe Cell Test*”, Seminar on Site Characterization for Road Project, Department of Public Works of Indonesia, Bandung, Indonesia.

52. **Irsyam, M.**, Karyasuparta, S.R., Hadi, A., and Tatang, A.H., (1999) “*Solving Landslide Problem in Shale Cut Slope in The Construction of the Valve Chamber of The Tulis Hydro Electric Power*”, Proceeding on The '99 Japan-Korea Joint Symposium on Rock Engineering, page 1-8, The 20th Anniversary Celebration of The West Japan Rock Engineering Society, Japan.
53. **Irsyam, M.**, Subki, B., Himawan A., and Suntoko, A. (1999) “*Seismic Hazard Analysis for Muria Peninsula*”, Proceedings National Conference on Earthquake Engineering: The Use of Earthquake Engineering Development for Enhancement of Building Codes and Public Awareness in Indonesia, Center for Disaster Mitigation - Civil Engineering Department ITB, Bandung, Indonesia.
54. **Irsyam, M.**, Hendriyawan, Himawan, A., and Handoyo, A, (1998) “*Development of Synthetic Ground Motions for Bedrock of Jakarta*”, Proceedings Geotechnical Engineering Seminar: Geotechnique in Indonesia Entering the 3rd Millennium, Indonesian Society for Geotechnical Engineering – Civil Engineering Department ITB, January 14-15, Bandung, Indonesia.
55. **Irsyam, M.**, Tami, D., Karyasuparta, S.R., Budiyo, J., and Ariyanto, B. (1998) “*Settlement Analysis of Gas Pipe Badak – Bontang KM 25 + 700 Using Finite Element Method*”, Proceedings Seminar on Finite Element Method, Mechanical Engineering Department ITB, December 17, Bandung, Indonesia.
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H- SPECIFIC FIELDS OF SCIENTIFIC INTEREST

- a. Geotechnical Earthquake Engineering
- b. Foundation Engineering
- c. Soil Improvements for Soft Soil Conditions

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Prof. Masyhur Irsyam

A handwritten signature in dark ink, appearing to read "m7014", followed by a long horizontal flourish.

Date: April 24, 2016