

L.3 Daftar Riwayat Hidup Dosen dan Copy Ijazah



Dosen Keairan

Adam Pamudji Rahardjo

- Associate Profesor di bidang Hidroinformatika, Transpor Sedimen dan Polutan
- Kepala Program Magister Pengelolaan Bencana Alam



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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Sc. : Teknik Sipil, Imperial College of Science, Tech & Med, University of London
- Ph.D : Teknik Sipil, Univ Coll. Of Swansea, University of Wales, UK

Mata kuliah yang diampu

Program Sarjana

- Algoritma dan Pemrograman; Persamaan Diferensial; Metode Numerik I; Perangkat Lunak untuk Teknik Sipil I; Metode Elemen Hingga; Transpor Sedimen

Program Pascasarjana

- Aliran Debris dan Banjir; Sistem Peringatan Dini Aliran Lahar dan Banjir; Aplikasi Model Hidrologi-Hidraulika untuk Prediksi Banjir; Aplikasi Model Hidraulika untuk Prediksi dan Kontrol Aliran Debris; Sedimentasi Waduk

Organisasi

- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)
- JWG Indonesia-Malaysia, University Qualification Confession
- IAHR (International Association of Hydro-Environment Engineering Research)

Publikasi Ilmiah

1. Warning Time Analysis of Nasiri River Flash Flood due to Several Possible Natural Dam Break Events (2018). Journal of the Civil engineering Forum.
2. Hydrology and Hydraulic Analysis of Nasiri Flash Flood Disaster Event on the 1st August 2012 (2018). Journal of the Civil engineering Forum.
3. Comparison of Methods For Simulating Tsunami Run-Up Through Coastal Forests (2017). Journal of Tsunami Society International.
4. Study on hydraulic flow in stratified pipe performed by numerical simulation (2017). Proceeding The 3rd International Conference on Science and Technology ICST 2017.

5. Evaluation of transport networks as disaster evacuation routes (case study of flood disaster in Huamual sub-district, Maluku) (2017). Proceeding The 1st International Symposium on Transportation Studies in Developing Countries (ISTSDC).
6. Analisis hujan penyebab banjir pada sungai curam di dusun Nasiri Kabupaten Seram Bagian Barat (1027). Prosiding PIT XXXIV HATHI.
7. Modelling of flash flood event on Nasiri River using a grid based distributed kinematic model of hydrology and hydraulics (2017). 5th Regional Conference on Natural Disaster (RCND 2017).
8. Determining flash flood induced rainfall occurrence plot in rainfall intensity vs working rainfall chart for flood warning in Nasiri River (2017). 5th Regional Conference on Natural Disaster (RCND 2017).
9. Analisis Return Flow antar Bendung (Studi Kasus Bendung Klampok-Plakaran dan Bendung Sekarsuli) (2016). Jurnal Teknik Sipil.
10. Numerical Method of Simulating Coastal Forest against Tsunami Run-Up (2016). Journal of Hydro-environmental Science.
11. Flash Flood disaster in Huamual District, West Seram Regency, Maluku Province, Indonesia, Its Potential and Management (2015). Journal of Geographical Research.
12. Dimension Analysis of Sabo works on Countermeasures Debris Flows in Putih River, Indonesia (2016). Proceeding Asia Pacific Division of the International Association for Hydro Environment Engineering & Research.
13. Snake Line Characteristic Triggering Lahar Flow Occurrence at Mt. Merapi Area (2016). Proceeding Asia Pacific Division of the International Association for Hydro Environment Engineering & Research.

Penelitian yang sedang berjalan

- Debris flow warning criteria
- Flood and sedimentation on Nasiri River

Lain-lain

- Anggota tim instrument akreditasi BAN-PT
- Assessor senior BAN-PT

Bambang Agus Kironoto

- Profesor di bidang Hidraulika Fluvial, Transpor Sedimen, dan Turbulensi
- Wakil Rektor bidang Sumber Daya Manusia dan Aset (2017-sekarang)



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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Dr. : Hidraulika Fluvial, Ecole Polytechnique Federale de Lausanne, Swiss

Mata Kuliah yang diampu

Program Sarjana

- Mekanika Fluida; Hidraulika Saluran Terbuka; Teknik Sungai; Transpor Sedimen

Program Pascasarjana

- Aliran Debris dan Banjir

Organisasi

- HATHI (Indonesian Association of Hydraulic Engineers)
- PII (Persatuan Insinyur Indonesia)
- INKINDO DIY (Ikatan Nasional Konsultan Indonesia)
- HAKI (Himpunan Ahli Konstruksi Indonesia)
- HPJI (Himpunan Pengembangan Jalan Indonesia)
- ICCMC Asia (International Commission for Concrete Model Code)

Publikasi Ilmiah

1. Kironoto, B.A., Luknanto, D., 2017. "Kajian Karakteristik DAS untuk Daerah Tangkapan Hujan Waduk Sermo Kabupaten Kulon Progo, Daerah Istimewa Yogyakarta", Jurnal Media Teknik Sipil.
2. Olli, M.A., Kironoto, B.A., Yulistiyanto, B., Sunjoto, 2017. "Determining Sediment Delivery Ratio of Catchment of Reservoir in Java", Prosiding Konferensi Nasional Pascasarjana Teknik Sipil (KNPTS) 2017.
3. Saraswati, S.P., Sunjoto, Kironoto, B.A., Hadsusanto, S., 2017. "Comparative Analysis of Water Quality Indices", Proceeding The 37th IAHR World Congress.

4. Yulistiyanto, B., Hironoto, B.A., Wignyosukarto, B.S., Triatmodjo, B., 2017. "Suspended Sediment Flow Characteristics in Non-Uniform Open Channel", Proceeding of the 37th IAHR World Congress.
5. Triatmadja, R., Kironoto, B.A., 2017. "Numerical Simulation of Sediment Transport along a Channel with Underwater Sill", Proceeding Engineering Physics International Conference.
6. Olli, M.R., Kironoto, B.A., Yulistiyanto, B., Sunjoto, 2017. "Integrated remote sensing and geographic information system based RUSLE model for spasioal prediction of soil loss in catchment of Selorejo reservoir, East Java", Proceeding 2nd International Conference on Science and Technology ICST 2017 in The Tropic.
7. Kironoto, B.A., Yulistiyanto, B., 2016. "Debit Sedimen Suspensi pada Belokan Saluran Tampang Trapesium", Prosiding Pertemuan Ilmiah Tahunan HATHI XXXIII- Semarang.
8. Azizah, N., Kironoto, B.A., Yuwono, N., Triatmadja, R., 2016. "Numerical Simulation of Flow and Sediment Transport along a Channel With Underwater Sill", Proceeding Asia Pacific Division of the International Association for Hydro Environment Engineering & Research.
9. Yulistiyanto, B., Kironoto, B.A., Ardian, O.H., Maini, M., 2016. "Debit Sedimen Suspensi pada Belokan Saluran Tampang Trapesium", Proceeding PIT XXXIII Hathi Semarang.
10. Kironoto, B.A., Yulistiyanto, B., 2016. "The Simplified of Suspended Sediment Measurement Method for Predicting Suspended Sediment Load as a Basic of Reservoir Capacity Design as Renewable Energy Resource", International Journal of Renewable Energy Research.
11. Kironoto, B.A., Yulistiyanto, B., 2016. "Characteristic of Suspended Sediment Flow in Trapezoid Shape of Curved Open Channel, Jordan Journal of Civil Engineering.

Bambang Triatmodjo

- Profesor di bidang Hidraulika, Teknik Pantai

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Riwayat Akademik

- Ir. : Tenik Sipil, Universitas Gadjah Mada, Indonesia
- CES., DEA.: Fakultas Teknik/Teknik Sipil, USTM Grenoble, Perancis
- Dr. : Fakultas Teknik/Teknik Sipil, USTM Grenoble, Perancis

Mata Kuliah yang diampu

Program Sarjana

- Mekanika Fluida; Hidraulika Saluran Terbuka; Metode Numerik I; Pelabuhan; Bangunan Tenaga Air; Dasar-dasar Teknik Pantai

Program Pascasarjana

- Metode Numerik

Organisasi

- HATHI (Indonesian Association of Hydraulic Engineers)
- PII (Persatuan Insinyur Indonesia)

Publikasi Ilmiah

1. Triatmodjo, B., Joko, S., Brotowiryatmo, S.H., Sasmito, 2017. "Pengaruh Kondisi Awal Kelengasan Tanah Terhadap Debit Puncak Hidrograf Satuan", Jurnal Teknik Sipil.
2. Yulistiyanto, B., Hironoto, B.A., Wignyosukarto, B.S., Triatmodjo, B., 2017. "Suspended Sediment Flow Characteristics in Non-Uniform Open Channel", Proceeding of the 37th IAHR World Congress.
3. Permana, M.S., Triatmodjo, B., Yuwono, N., 2017. "Wave-Induced Pressure Distribution on Placed Perforated Revetment Block", Procedia Engineering.
4. Indah, L.K., Triatmodjo, B., Triatmadja, R., 2009. "Evaluasi Sistem Mitigasi Penanganan Bencana Gempabumi di Kecamatan Bantul Propinsi Daerah Istimewa Ygyakarta", Journal Civil Engineering Forum Teknik Sipil.
5. Triatmodjo, B., Brotowiryatmo, S.H., Sujono, J., Sasmito, 2015. "Pemisahan aliran dasar menggunakan model tangki", Prosiding Seminar Nasional Teknik Sipil (SeNaTS 1).

Buku-buku

1. Bangunan Tenaga Air (Water Power Engineering), 2016, UGM Press, Yogyakarta.
2. Menuju Kejayaan Umat Islam (Towards the Glory of Muslims), 2015, Beta offset Publisher, Yogyakarta.
3. Menuju Kejayaan Indonesia (Towards the Glory of Indonesia), 2013, Beta offset Publisher, Yogyakarta.

4. Mentari Bersinar Lagi (The Sun Shines Again), 2012, Beta offset Publisher, Yogyakarta.
5. Perencanaan Bangunan Pantai (Design of Coastal Structure), 2012, Beta offset Publisher, Yogyakarta.
6. Perencanaan Pelabuhan (Design of Port), 2010, Beta offset Publisher, Yogyakarta.
7. Hidrologi Terapan (Applied Hydrology), 2008, Beta offset Publisher, Yogyakarta.
8. Metode Numerik (Numerical Method) Dilengkapi Dengan Program Komputer, 2002, Beta offset Publisher, Yogyakarta.
9. Teknik Pantai (Coastal Engineering), 1999, Beta offset Publisher, Yogyakarta.
10. Soal-Penyelesaian Hidraulika II (Solved Problems in Hydraulics II), 1995, Beta offset Publisher, Yogyakarta.
11. Hidraulika II (Hydraulics II), 1994, Beta offset Publisher, Yogyakarta.
12. Soal-Penyelesaian Hidraulika I (Solved Problems in Hydraulics I), 1993, Beta offset Publisher, Yogyakarta.
13. Hidraulika I (Hydraulics I), 1992, Beta offset Publisher, Yogyakarta

Benazir

- Dosen di bidang River Hydraulics, Reservoir Engineering

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Riwayat Akademik

- ST : Teknik Sipil, Universitas Syiah Kuala, Indonesia
- M. Eng. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Ph.D : Teknik Sipil, Universitas Gadjah Mada, Indonesia

Mata kuliah yang diampu

Program sarjana

- Bahasa Indonesia, Mekanika Fluida, Pemrograman Komputer, Metode Numerik, Pelabuhan

Publikasi Ilmiah

1. Asesmen Potensi Tsunami dan Kesiapsiagaan Masyarakat Pesisir: Studi Kasus Teluk Ulee Lheue, Aceh Besar. (2022). Jurnal Teknik Hidraulik.
2. The Behavior of a Tsunami-Like Wave Produced by Dam Break and Its Run-Up on 1:20 Slope. (2021). Science of Tsunami Hazards.
3. Sediment Analysis and Modelling Reveal Short Inundation Distances and Low Onshore Flow Speed ff The 2018 Palu-Donggala Tsunami in Indonesia. (2021). The 23rd EGU General Assembly (*Proceeding*).

Budi Santoso Wignyosukarto

- Profesor di bidang Hidraulika, Mekanika Fluida, Sumberdaya Air

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Dipl. HE. : IHE, Delft, Belanda
- Ph.D. : Mekanika Fluida, INPG, Grenoble, Perancis

Mata Kuliah yang diampu

Program Sarjana

- Mekanika Fluida; Hidraulika Saluran Terbuka; Mitigasi Bencana

Program Pascasarjana

- Metodologi Penelitian; Metodologi Penelitian Transport; Aplikasi Hidraulika dan Hidrologi; Teknik Sumberdaya Air; Hidraulika Komputasi

Organisasi

- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)
- IAHR (International Association for Hydro-Environment Engineering and Research)
- ICID (Working Group on Sustainable Development of Tidal Areas)
- PII (Persatuan Insinyur Indonesia)

Publikasi Ilmiah

1. Wignyosukarto, B.S., 2006, The Hydraulic Performance of Tidal Irrigation System in the Reclamation of Acid Sulphate Soil, Proceeding of the Second International Conference on Estuaries & Coast 2006, November 2006, Guangzhou, China.
2. Wignyosukarto, B.S., 2013, Leaching and Flushing of Acidity in the Reclamation of Acid Sulphate Soil, Kalimantan, Indonesia, Journal of Irrigation and Drainage, John Wiley & Sons, Volume 62, October 2013, pages 75-81, DOI: 10.1002/ird.1777.
3. Sutopo, Y., Budi, S.W., Istiarto, 2016, Aerator performance effectiveness to prevent cavitation in steep channel, International Journal of Engineering and Technology, Volume 8, Issue 2, 2016, Pages 1360-1370.
4. Sutopo, Y., Wignyosukarto, B.S., Yulistiyanto, B., Istiarto, 2015, Self and Artificial Air Entrainment in Steep Channel, Procedia Engineering, Elsevier, Volume 125, 2015, Pages 158-165, <https://doi.org/10.1016/j.proeng.2015.11.023>.
5. Panalaran, S., Triatmadja, R., Wignyosukarto, B.S., 2016, Mathematical modeling of wave forces on cylinders group using DualSPHysics, AIP Conference Proceedings Vol. 1755, American Institute of Physics Inc, <https://doi.org/10.1063/1.4958495>
6. Mawandha, H.G., Wignyosukarto, B.S., Jayadi, R., 2017, Mini Polders as Alternative Flood Management in the Lower Bengawan Solo River, Indonesia, Journal of Irrigation and Drainage, Published online in Wiley Online Library <https://doi.org/10.1002/ird.2198>

Penelitian yang sedang berjalan

- Integrated Water Resources Management
- Drainase untuk banjir di daerah rawa

Lain-lain

- Ketua Program Studi S2 Teknik Sipil Departemen Teknik Sipil dan Lingkungan (1989-1996)
- Kepala Laboratorium Hidraulika, Departemen Teknik Sipil dan Lingkungan, Fakultas Teknik, Universitas Gadjah Mada (1987-1994)
- Kepala Laboratorium Komputasi, Departemen Teknik Sipil dan Lingkungan, Fakultas Teknik, Universitas Gadjah Mada (1995-1999)
- Anggota dari Working Group on Sustainable Development of Tidal Area (WG-SDTA), ICID (2011-sekarang)
- Ketua tim pada beberapa proyek dalam Pengembangan Daerah Dataran Rendah untuk pertanian, kolam dan tanaman, di Kalimantan dan Sumatera, Indonesia (1986-2004)
- Koordinator untuk universitas-universitas swasta di wilayah DI Yogyakarta (2005-2010)
- Wakil Rektor Universitas Gadjah Mada untuk Sumberdaya Manusia dan Aset (2012-2017)

Djoko Legono

- Profesor di bidang Hidraulika, Mekanika Fluida, Sumberdaya Air
- Ketua dari Journal Civil and Environmental Engineering

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Ph.D. : The City University, London, UK

Mata Kuliah yang diampu

Program Sarjana

- Mekanika Fluida; Teknik Irigasi; Ekonomi Teknik; Transpor Sedimen

Program Pascasarjana

- Pemantauan dan Instrumen; Penilaian Kerusakan dan Kehilangan akibat Bencana Alam; Aliran Debris dan Banjir; Sistem Peringatan Dini Banjir; Respon Cepat Bencana Alam; Hidrodinamika Sungai

Organisasi

- HATHI ((Himpunan Ahli Teknik Hidraulik Indonesia)
- IAHR (International Association for Hydro-Environment Engineering and Research)
- IRTCS

Publikasi Ilmiah

1. Hidayat, F., Juwono, P.T., Suharyanto, A., Pujiraharjo, A., Legono, D., Sisingsih, D. Neil,D., Fujita, M., Sumi, T., 2017. "Assesment of sedimentation in wlingi and lodoyo reservoirs: A secondary disaster following the 2014 Eruption of Mt. Kelud, Indonesia", Journal of Disaster Research.
2. Dermawan, V., Legono, D., Krisnayanti, D.S., 2017. "Prediction of dissolved oxygen on stepped spillway with different configuration", Jurnal Teknologi.
3. Legono, D., 2017. "Assesment of sedimentation in wlingi and lodoyo reservoirs: A secondary disaster following the 2014 Eruption of Mt. Kelud, Indonesia", Journal of Disaster Research.
4. Magfira, S., Satoru, O., Legono, D., 2017. "Integrating X-MP radar data to estimate rainfall induced debris flow in the Merapi volcanin area", Advances in Water Resources.
5. Fathani, T.F., Legono, D., Alfath, M.A., 2017. "Sensitivity analysis of depth-integrated numerical models for estimating landslide movement", Journal of Disaster Research.
6. Legono, D., 2017. "Multi-Disaster Risk Analysis of Klaten Regency, Central Java, Indonesia", Journal of Civil Engineering Forum.
7. Hairani, A., Legono, D., Rahardjo, A.P., 2017. "Study on hydraulic flow in stratified pipe performed by numerical simulation", The 3rd International Conference on Science and Technology ICST 2017.

8. Hidayat, F., Juwono, P.T., Suharyanto, A., Pujiraharjo, A., Legono, D., Sisingih, D., 2017. "Sedimentation in rivers and reservoirs following the eruptions of Kelud Volcano, Indonesia", River Sedimentation-Proceedings of the 13th International Symposium on River Sedimentation.
9. Hambali, R., Mawandha, H.G., Legono, D., Jayadi, R., Oishi, S., 2017. "Rain behavior at Mt. Merapi area as observed by XMPR and ARR", The 3rd International Conference on Science and Technology ICST 2017.
10. Kusumawardani, R., Kurniadhi, R., Mukhilisin, M., Legono, D., 2017. "Rainfall threshold for triggering debris flow on Merapi volcano area, Yogyakarta, Indonesia", AIP Conference Proceedings.
11. Legono, D., Karnawati, D., Fathani, T.F., 2017. "A Numerical Model for the Analysis of Rapid Landslide Motion", Geotechnical and Geological Engineering.
12. Fathani, T.F., Legono, D., 2017. "Pemberdayaan Masyarakat untuk Mendukung Pengurangan Resiko Bencana yang Berkelanjutan", Prosiding Seminar Nasional Pengurangan Risiko Bencana.
13. Legono, D., Hairani, A., Hambali, R., Rahardjo, A.P, 2017. "Rainfall Threshold for Water and Sediment Disaster", 7th International Workshop on Multimodal Sediment Disasters.
14. Cobar, L.J., Miyamoto, K., Legono, D., 2016. "Modeling of information flow for early warning in mount Merapi area, Indonesia", Journal of Disaster Research.

Endita Prima Ari Pratiwi

- Asisten Profesor di bidang Teknik Sumberdaya Air; Irigasi; Paddy Field Engineering
- Sekretaris Program Studi S2 Teknik Sipil, Departemen Teknik Sipil dan Lingkungan (2018-2020)



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Riwayat Akademik

- S. T. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Ph.D. : Program Doktor pada Manajemen Air dan Irigasi, Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University, Japan

Mata Kuliah yang diampu

Program Sarjana

- Fisika; Kalkulus I; Kalkulus II; Struktur Bangunan; Fisika untuk Teknik Sipil; Teknik Irigasi; Hidrologi

Program Pascasarjana

- Teknik Irigasi dan Drainase; Aplikasi Model Hidrologi-Hidraulika untuk Prakiraan Banjir

Organisasi

- IBI (Initial Biochar Initiative)

Publikasi Ilmiah

1. Pratiwi, E.P.A., and Shinogi Y., 2016. "Rice husk biochar application to paddy soil and its effect on soil physical properties, plant growth, and methane emission", Paddy and Water Environment. 14(4) pp 521-532.
2. Pratiwi, E.P.A., and Shinogi Y., 2016. "Rice husk biochar potential to affect soil properties and vegetative stage of rice growth under different irrigation", International Agricultural Engineering Journal 25(1) pp 110-120.
3. Pratiwi, E.P.A., Hillary, A.K., Fukuda, T., and Shinogi, Y., 2016. "The effects of rice husk char on ammonium, nitrate and phosphate retention and leaching in loamy soil", Geoderma 277 pp 61-68.

Penelitian yang sedang berjalan

- Perubahan bahan organik pada tanah sawah dan dampaknya terhadap lingkungan
- Peningkatan efisiensi penggunaan air untuk pertanian

Lain-lain

- Penerima beasiswa dari Hitachi Scholarship Foundation (2012-2016)
- Trainee, IABEE Evaluator Trainer Training, oleh Japan International Cooperation Agency (2016)
- Trainee, the 2017 Intenational Short Course on Disaster Risk Management, National Cheng Kung University, Taiwan (2017)
- Awardee, Australia Awards Fellowships Round 17: Building Leadership Skills for Rffective Water Governance in Indonesia, oleh International Water Centre (2018)
- Editor dari Journal of Civil Engineering Forum

Fatchan Nurrochmad

- Profesor di bidang Sumber Daya Air, Teknik Irigasi

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Agr. : Agriculture Engineering, Kyushu University, Jepang
- Ph.D. : Agriculture Engineering, Kyushu University, Jepang

Mata kuliah yang diampu

Program sarjana

- Manajemen Sumber Daya Air; Teknik Irigasi; Metode Penelitian; Keterampilan menulis dan Presentasi; Bahasa Asing

Program pascasarjana

- Pengurangan Resiko Bencana Alam Berbasis Masyarakat; Teknik Drainase dan Irigasi

Organisasi

- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)
- JSIDRE (Japanese Society of Irrigation, Drainage and Reclamation Engineering)

Publikasi Ilmiah

1. Maadji, R., Triatmadja, R., Nurrochmad, F., Sunjoto. "Characteristics of Concrete Filter for Drinking Water", Preceeding of The 37th IAHR World Congress.
2. Darajat, A.R., Nurrohmad, F., Jayadi, R., 2017. "Analisis Efisiensi Saluran Irigasi di Daerah Irigasi Boro Kabupaten Purworejo, Prov. Jawa Tengah", Prosiding Seminar nasional Civil Explosion Universitas negeri Yogyakarta.
3. Nurrochmad, F., Sujono, J., Refika, C.D., 2017. "Analysis of intake gate operation of the three weirs in Bedog river", 5th Engineering International Conference on Education, Concept, and Application of Green Technology.
4. Sujono, J., Nurrochmad, F., Sari, P.N., 2017. "Modified SRI for increasing paddy rice productivity and farmers' income", The Second IAHS Panta Rhei International Conference on Water System Knowledge Innovation and its Practices in Developing Countries.
5. Sujono, J., Nurrochmad, F., Sari, P.N., 2017. "Sustainable paddy rice cultivation or increasing water productivity: rural farmers point of view",
6. Maadji, R., Triatmadja, R., Nurrochmad, F., Sunjoto, 2017. "The concrete filter mix design for water treatment", The Second IAHS Panta Rhei International Conference on Water System Knowledge Innovation and its Practices in Developing Countries.

7. Sujono, J., Nurrochmad, F., Jayadi, R., 2017. "Heavy rainfall characteristics at south-west of Mt. Merapi-Yogyakarta and Central Java Provinces, Indonesia", *International Journal of Geomate*.
8. Tutkey, M.R., Nurrochmad, F., Brotowiryatmo, S.B., 2017. "Pengaruh Pupuk Kascing Terhadap Kemampuan Mengikat Air pada Tanah Lempung dan Lempung Berpasir", *Jurnal Irigasi*.
9. Jayadi, R., Nurrochmad, F., Sujono, J., 2015. "Perbandingan beberapa model fungsi tampungan untuk prediksi hidrograf limpasan", *Prosiding Pertemuan Ilmiah Tahunan (PIT) HATHI XXXII*.
10. Maadji, R., Triatmadja, R., Nurrochmad, F., Sunjoto; 2016. "The Development of Concrete Filter for Drinking Water Filtration", *Proceedings International Seminar on "Water Resilience in a Changing World"*
11. Nurrochmad, F., 2006. "Analisis Operasi Pemberian Air Irigasi", *Media Teknik*.
12. Setiawan, E. Jayadi, R., Nurrochmad, F., Sujono, J. 2015. "Pertemuan Ilmiah Tahunan (PIT) HATHI XXXII", *Prosiding The 5th Annual Engineering Seminar, Fakultas Teknik UGM*.
13. Pujianiki, N.N., Triatmadja, R., Legono, D., Nurrochmad, F., 2016. "Bali Island Irrigation System (Subak) - A Heritage of a Sustainable Hydraulics Environment", *Proceeding Asia Pacific Division of the International Association for Hydro Environment Engineering & Research*.
14. Maadji, R., Triatmadja, R., Sunjoto, Nurrochmad, F., 2016. "Reduksi Bakteri E. Coli dalam Filtrasi Filter Beton untuk Air Minum", *Prosiding PIT XXXIII Hathi Semarang 2016*.
15. Refika, C.D., Sujono, J., Nurrochmad, F., 2016. "Pemisahan Aliran Dasar Menggunakan Metode Recursive Digital Filter", *Prosiding Seminar Nasional Teknik Sipil (JTS HMS IKATSI FT Unsyiah)*.

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- Associate Professor di bidang Hidraulika Fluvial

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Asian Institute of Technology, Bangkok, Thailand
- Dr. Ing. : Fluvial Hydraulics, EPFL, Switzerland

Mata kuliah yang diampu

Program sarjana

- Gambar Teknik; Statistika dan Probabilitas; Metode Numerik I; Hidrologi dan Hidraulika Terapan; Fisika untuk Teknik Sipil

Program pascasarjana

- Teknik Pengolahan Data; Penilaian Kerusakan dan Kerugian Bencana Alam; Pengurangan Resiko Kekeringan, Banjir, dan Aliran Debris; Statistik : Hidraulika Komputasi

Organisasi

- KNIBB (Komite Nasional Indonesia pada Bendungan Besar)
- IAHS (International Association of Hydrological Sciences)
- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)

Publikasi Ilmiah

1. Henggar Risa, D., Istiarto, Jayadi, R., 2017. "Development of X-Band Radar Data-Based Snakeline for Predicting Sediment Disaster", Prosiding Simposium II University Network for Indonesia Infrastructure Development 2017.
2. Jayadi, R., Istiarto., Pradipta, A.G., 2017. "Impact of sedimentation counter measure on the performance of flood control: a case study of Wonogiri Reservoir", Proceeding The 3rd International Conference on Science and Technology ICST 2017.
3. Kuswandi, Triatmadja, R., Istiarto, 2017. "Simulation of scouring around a vertical cylinder due to tsunami", Journal Science of Tsunami Hazards.
4. Anggraheni, D., Istiarto, Jayadi, R., 2017, "Evaluasi Kinerja Pola Operasi Waduk (POW) Wonogiri 2014", Jurnal Teknisia.
5. Kuswandi, Istiarto, Triatmajda, R., 2016. "Velocity Around a Cylinder Pile During Scouring Process Due To Tsunami", Proceeding Conference: Congress of the Asia Pacific Division of the International Association for Hydro Environment Engineering and Research at Colombo, Srilanka, August 2016.

6. Kuswandi, Istiarto, Triatmajda, R., 2016. "Velocity Around a Cylinder Pile During Scouring Process Due To Tsunami", Proceeding Conference: Congress of the Asia Pacific Division of the International Association for Hydro Environment Engineering and Research at Colombo, Srilanka, August 2016.
7. Sutopo, Y., Wignyosukarto, B.S., Istiarto, 2016. "Aerator performance effectiveness to prevent cavitation in steep channel", International Journal of Engineering and Technology.
8. Sutopo, Y., Wignyosukarto, B.S., Yulistiyanto, B., Istiarto, 2015. "Self artificial air entrainment in steep channel", Procedia Engineering.
9. Kuswandi, Triatmadja, R., Istiarto., 2013. "Numerical Simulation of Tsunami Force on Building Using Smoothed Particles Hydrodynamics", Proceedings Seminar Internasional, The 4th International Seminar on Water Related Disaster Solutions, September 2013.
10. Sutopo, Y., Wignyosukarto, B.S., Yulistiyanto, B., Istiarto, 2014. "Pemasukan Udara Alamiah (Self Air Entrainment) pada Aliran Superkritik di Saluran Curam" Jurnal Sains dan Teknologi (Sainteknologi).
11. Kuswandi, Triatmadja, R., Istiarto, 2013. "Numerical Simulation of Tsunami Force on Building Using Smoothed Particles Hydrodynamics", Proceedings Seminar Internasional, The 4th International Seminar on Water Related Disaster Solutions, September 2013.

Joko Sujono

- Profesor dibidang di bidang Sumber Daya Air dan Hidrologi

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Water Resources Division, Asian Institute of Technology, Bangkok, Thailand
- Ph.D : Hydrology, Kyushu University, Fukuoka, Jepang

Mata kuliah yang diampu

Program sarjana

- Hidrologi; Hidrologi Terapan; Drainase dan Sanitasi Lingkungan; Konsep Keteknikan untuk Peradaban; Mitigasi Bencana Alam

Program pascasarjana

- Hidrologi dan Hidraulika Terapan; Hidrologi Lanjut

Organisasi

- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)
- IAHS (International Association of Hydrological Sciences)
- PAWEES (International Society of Paddy and Water Environment Engineering)

Publikasi Ilmiah

1. Sujono J., Shikasho S., Hiramatsu K., 2001. Hydrograph recession analysis using wavelet transform, *J. Fac. Agr. Kyushu Univ.*, Vol 45(2), pp. 557-564.
2. Sujono J., Shikasho S., Hiramatsu K., 2003. Vagueness ratio of storage function model parameters and its relation to the accuracy of hydrograph prediction, *Paddy Water Environ*, Vol1, pp. 201–206
3. Sujono J., Shikasho S., Hiramatsu K., 2004. A comparison of techniques for hydrograph recession analysis, *Hydrology Processes*. 18, pp. 403–413.
4. Sujono J., Matsuo N., Hiramatsu K., Mochizuki T., 2011. Improving the water productivity of paddy rice (*Oryza sativa* L.) cultivation through water saving irrigation treatments, *Agricultural Sciences*, Vol.2, No.4, 511-517.
5. Sujono J., 2012. Hydrological analysis of the Situ Gintung Dam failure, *Journal of Disaster Research* Vol.7(5), pp. 590-594.
6. Sujono J., Sulaiman M., Jayadi, R., 2017. A Small Multipurpose Retarding Basin in UGM Camus Area, Proceeding the 37th IAHR World Congress, August 13-18, Kualalumpur, Malaysia.

7. Sujono J., Nurrochmad F., Sari P.N., 2017. Modified SRI for increasing paddy rice productivity and farmers' income, The Second IAHS Panta Rhei International Conference on Water System Knowledge Innovation and its Practices in Developing Countries, November 20-22, Gorgan, Iran.
8. Sujono J., Nurrochmad F., Jayadi R., 2018. Heavy rainfall characteristics at south-west of Mt. Merapi-Yogyakarta and Central Java Provinces, Indonesia", International Journal of Geomate, Vol 14(45), pp. 184-191.

Penelitian yang sedang berjalan

1. A Study on wildfire of degraded peatland based on water balance
2. Improving water and paddy rice plant management for increasing water productivity

Karlina

- Dosen di bidang Hidrologi, Perubahan Iklim, dan Kekeringan

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Riwayat Akademik

- ST : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Ph.D : Civil and Earth Resources Engineering, Kyoto University, Japan

Mata kuliah yang diampu

Program sarjana

- Fisika Teknik Sipil; Perencanaan Bangunan Hidraulika; Kalkulus I;

Program pascasarjana

- Mekanika Lanjut

Organisasi

- JSCE (Japan Society of Civil Engineers)

Publikasi Ilmiah

1. “Low Flow Forecasting with Recession Analysis Approaches”; Karlina, Takahiro Sayama, Kaoru Takara. Journal of Japan Society of Civil Engineers, Ser. B1 (Hydraulic Engineering), Vol.73, No. 4, 2017
2. “Meteorological Drought Assessment in Wonogiri District”; Karlina. Journal of The Civil Engineering Forum, Vol. 2., No. 2, 2016
3. “Drought Analysis Using EDI and SPI Method to Mitigate Drought Disaster in Wonogiri District”; Karlina, J. Sujono, R. Jayadi, International Seminar HATHI, 2013

Lain-lain

1. Trainee at International Training Workshop on Natural Disaster Reduction, Taipei, Taiwan, 2016
2. Trainee at The Twenty-fifth IHP Training Course: Risk Management of Water-related Disasters under Climate Change, Kyoto, Japan, 2015
3. Trainee at Training Programme on Building Resilience to Climate Change (BRCC), Tokyo, Japan, 2014
4. Trainee at Training Programme on Climate Change Downscaling Approaches and Applications (CCDAA), Bangkok, Thailand, 2012

Neil Andika

- Dosen di bidang River Hydraulics, Reservoir Engineering

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Riwayat Akademik

- ST : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Civil and Environmental Engineering, Colorado State University
- Ph.D : Civil and Environmental Engineering, Colorado State University

Mata kuliah yang diampu

Program sarjana

- Fisika Mekanika, Hidraulika Terapan, Hidrologi Terapan, Sistem Drainase dan Jaringan Air Limbah, Teknik Sungai

Program pascasarjana

- Hidrodinamika Sungai, Topik Spesial Pengelolaan Sedimentasi Waduk, Topik Spesial Teknik Pengelolaan Lahan Basah

Organisasi

- KNIBB (Komite Nasional Indonesia Untuk Bendungan Besar)
- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)

Publikasi Ilmiah

1. Sediment Propagation in the Porong River below the Sidoardjo Mud Volcano Diversion in Indonesia. (2021). Journal of Hydraulic Engineering.

Nizam

- Dosen di bidang Hidraulika
- Dekan Fakultas Teknik UGM (2017-2021)

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Sc. : River, Estuary & Coastal Eng., Imperial College of Science & Technology, University of London, UK (with distinction)
- Ph.D : Civil Engineering Hydraulics, Imperial College of Science & Technology, University of London, UK (with distinction)

Mata kuliah yang diampu

Program sarjana

- Mekanika Fluida; Teknik Pantai Dasar; Pelabuhan; Rekayasa Lepas Pantai; Metode Numerik; Program Komputer

Program pascasarjana

- Teknik Pantai; Hidrodinamika Pantai; Proses Pantai; Pengerukan & Reklamasi; Struktur Lepas Pantai; Teknik Kelautan; Model Numerik

Organisasi

- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)
- IAHR (International Association for Hydro-Environment Engineering and Research)
- Global Development Learning Network Asia Pasific
- HEPI (Indonesian Education Evaluation Association)
- PII (Persatuan Insinyur Indonesia)
- APTIKOM (Association of Computer Science Colleges)
- Joint Working Comission for Disaster Reduction on Indian Ocean Coasts
- US-Indonesia Joint Council on Higher Education Partnership
- Collaboration for Network-eNabled. Education, Culture, Technology and Sciences (CONNECT - Asia)
- API (Asosiasi Profesor Indonesia)
- IOER Consortium

Publikasi Ilmiah

1. Purwono, N.A.S., Nizam, Triatmadja, R., 2017. "Characteristics of High Growth casuarina equisetifolia and high innudation of Tsunami when propagating through pine forest vertical rod", AMM International Journal

2. Purwono, N.A.S., Nizam, Triatmadja,R., 2016. “Coastal Protection against Tsunami Wave Force with Greenbelt”, Proceeding Asia Pacific Division of the International Association for Hydro Environment Engineering & Research.
3. Purwono, N.A.S., Nizam, Triatmadja,R., 2016. “Tsunami Wave Height and Velocity Reduction by Coastal Forest Canopy”, Proceeding Internasional Seminar HATHI Bali 2016
4. Purwono, N.A.S., Nizam, Triatmadja,R., 2016, “Pengaruh Kerapatan dan panjang Batang Vertikal terhadap Peredaman Gelombang Tsunami”, Proceeding PIT HATHI, Semarang
5. Purwono, N.A.S., Nizam, Triatmadja,R., 2015, “Variasi Tata Letak dan Panjang Model Hutan Pantai Cemara Laut dengan Kanopi terhadap Reduksi Gaya Tsunami”, Proceeding PIT HATHI, Malang
6. Purwono,N.A.S., Nizam, Triatmadja,R., 2015, “Analisa Model Matematik Hutan Cemara Laut dalam Mengurangi Penjalaran Tsunami dengan Kanopi terhadap Reduksi Gaya Tsunami”, Proceeding PIT HATHI, Malang
7. Nizam & M Nurdin, 2011, “Design and management of higher education systems: The role of steering policies and governance reforms in the management of higher education: A study of Indonesia”, IIEP-UNESCO Publication

Penelitian yang sedang berjalan

- Coastal disaster mitigation
- Fishway and eco-hydraulics

Lain-lain

1. Current appointment:
 - Dean of the Faculty of Engineering, Universitas Gadjah Mada, 2017-2021
2. Former appointments:
 - Director of Center for National Education Assessment, Ministry of Education and Culture, 2013 – 2017
 - Secretary for the Board of Higher Education, Ministry of National Education, 2008 - 2013
 - Acting Director of Center for Curriculum and Book Development, Ministry of Education and Culture, 2012
 - Chairman of Indonesia - Global Development Learning Network (GDLN) and Indonesia Higher Education and Research Network (INHERENT), 2007 – 2012

Nur Yuwono

- Profesor di bidang Teknik Pantai, Teknik Pelabuhan, dan Model Fisik

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Riwayat Akademik

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- M. Sc. : Experimental & Computational Hydraulics, IHE Delft, Netherland
- Ph.D : Civil Engineering, Strathclyde University, UK

Mata kuliah yang diampu

Program sarjana

- Struktur Bangunan; Pelabuhan; Ekonomi Teknik; Dasar-dasar Teknik Pantai

Program pascasarjana

- Manajemen Infrastruktur Transportasi; Gelombang dan Tsunami; Manajemen Bencana Pantai

Organisasi

- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)
- PII (Persatuan Insinyur Indonesia)
- HATPI (Indonesia Association of Coastal Engineers)
- HAPI (Indonesian Port Expert Association)

Publikasi Ilmiah

1. Yuwono, N., Thy, D.T., 2018. "Kuwaru Coast Line Changing Under Wave Attack". The 12nd SEATUC Symposium.
2. Warniyati, Triatmadja, R., Yuwono, N., 2017. "Simulation of angular flow in a shallow basin triggered by a rotating vertical cylinder by SPH method" Proceeding The 3rd International Conference on Science and Technology ICST 2017.
3. Sugianto, D.N., Zainuri, M., Darari, A., Suripin, S.D., Yuwono, N., 2017. "Wave height forecasting using measurement wind speed distribution equation in Java Sea, Indonesia"
4. Permana, M.S., Triatmodjo, B., Yuwono, N., 2017. "Wave-Induced Pressure Distribution on Placed Perforated Revetment Block", Procedia Engineering
5. Benzir, Triatmadja, R., Rahardjo, A.P., Yuwono, N., 2017. "Comparison of Methods For Simulating Tsunami Run-Up Through Coastal Forests", Journal of Tsunami Society International.
6. Azizah, N., Kironoto, B.A., Yuwono, N., Triatmadja, R., 2016. "Numerical Simulation Of Flow And Sediment Transport Along A Channel With Underwater Sill", Asia Pacific Division of the International Association for Hydro Environment Engineering & Research.

7. Bangguna, D.S.V.L., Yuwono, N., Triatmadja, N., 2016. "Simulation of Tsunami Attack on Seawall Caisson", Proceeding Asia Pacific Division of the International Association for Hydro Environment Engineering & Research.
8. Iska, B.B., Rahardjo, A.P., Yuwono, N., Triatmadja, R., 2016. "Modeling of Tsunami Run-up onto Sloping Beach and its Interaction with Low Structure", Proceeding ICSBE
9. Iska, B.B., Rahardjo, A.P., Yuwono, N., Triatmadja, R., 2016. "Studi Interaksi Gelombang Tsunami terhadap Struktur Mitigasi dan Pengaruhnya dalam Pembentukan Run-up di Daratan Pantai", Prosiding Pertemuan Ilmiah Tahunan Himpunan Ahli Teknik Hidraulik Indonesia (PIT HATHI)
10. Iska, B.B., Rahardjo, A.P., Yuwono, N., Triatmadja, R., 2016. "Tsunami Run-up on Sloping Beach based on Dam Break System", Proceeding 5 th International Seminar of HATHI.
11. Rahardjo, A.P., Yuwono, N., Triatmadja, R., 2016. "Numerical Method of Simulating Coastal Forest Against Tsunami Run-up", Journal of Hydroenvironmental Science.
12. Suhendro, B., Yuwono, N., Darsono, S., 2015. "Transmisi Gelombang pada emecah Gelombang Ambang Rendah Ganda", Jurnal Media Komunikasi Teknik Sipil.
13. Setyandito, O., Nizam., Yuwono, N., Triatmadja, R., 2012. "Pengaruh Gelombang pada Profil Kemiringan Pantai Pasir Buatan (Uji Model Fisik dan Studi Kasus Penanggulangan Erosi serta Pendukung Konservasi Lingkungan Daerah Pantai)", Jurnal Sains & Teknologi Lingkungan.

Rachmad Jayadi

- Associate Professor di bidang Hidrologi, Teknik Sumber Daya Air
- Kepala Program Studi S1 Teknik Sipil UGM (Januari 2016-sekarang)

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Sc. : Water Resources Engineering, Asian Institute of Technology, Thailand
- Ph.D : Department of Agriculture Engineering, Kyushu University, Japan

Mata kuliah yang diampu

Program sarjana

- Hidrologi; Hidrologi dan Hidraulika Terapan; Manajemen Sumber Daya Air

Program pascasarjana

- Analisis Sistem Sumber Daya Air; Teknik Sumber Daya Air; Sistem Peringatan Dini Banjir; Aplikasi Model Hidrologi-Hidraulika untuk Perkiraan Banjir

Organisasi

- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)
- INACID (Indonesian Association of Commission on Irrigation and Drainage)
- JSDRE (Japanese Society of Irrigation, Drainage and Reclamation Engineering)
- GNKPA (Gerakan Nasional Kemitraan Penyelamatan Air)

Publikasi Ilmiah

1. Murtiningrum, Sudjarwadi, Rachmad Jayadi, Putu Sudira, 2016, Prediction of Bedog and Gajahwong River Discharges Using Arima Model as a Basis to Determine Planting Pattern, Journal AGRITECH, Vol. 36 No. 4, DOI: <https://doi.org/10.22146/agritech.10518>.
2. Jayadi, R., Mawandha, H.G., Hairani, A., Sutikno, 2016. "Radar Information at Mt. Merapi Area and Various Water & Sediment-related Disasters", Proceeding of SATREPS Workshop on Integrated Study on Mitigation of Multimodal Disasters Caused by Ejection of Volcanic Products, Kyoto, Japan
3. Jayadi, R., Legono, D., Ekaningtyas, L.R., 2016. "Characteristics of Extreme Rainfall at Southern Area of Mt. Merapi", Proceeding of Joint Workshop of 2016 International Debris Flow Workshop and 6th International Workshop on Multimodal Sediment Disasters.
4. Henggar Risa, D., Istiarto, Jayadi, R., 2017. "Development of X-Band RadarData-Based Snakeline for Predicting Sediment Disaster", Prosiding Simposium II University Network for Indonesia Infrastructure Development 2017.
5. Sujono, J., Sulaiman, M., Jayadi, R., 2017. "A Small Multipurpose Retarding Basin in UGM Camus Area", Proceeding The 37th IAHR World Congress.

6. Mawandha, H.G., Wignyosukarto, B.S., Jayadi, R., 2017. "Mini Polders as Alternative Flood Management in The Lower Bengawan Solo River, Indonesia", *Journal of Irrigation and Drainage*, Published online in Wiley Online Library <https://doi.org/10.1002/ird.2198>.
7. Sujono, J., Nurrochmad, F., Jayadi, R., 2018. "Heavy Rainfall Characteristics at South-West of Mt. Merapi-Yogyakarta and Central Java Provinces, Indonesia", *International Journal of GEOMATE*, Vol. 14, Issue, 45, pp. 184-191, DOI: <https://doi.org/10.21660/2018.45.27559>.
8. Jayadi, R., Istiarto., Pradipta, A.G., 2018. "Impact of Sedimentation Counter Measure on the Performance of Flood Control: A Case Study of Wonogiri Reservoir", *International Journal of Applied Mechanics and Materials*, Vol. 881, pp. 78-85, DOI: <https://doi.org/10.4028/www.scientific.net/AMM.881.78>.

Penelitian yang sedang berjalan

- "Karakteristik Hujan Durasi Pendek Wilayah Lereng Gunung Merapi Berbasis Data Radar Hujan", Penelitian Dasar Unggulan Perguruan Tinggi Tahun 2018.
- "Kajian Identifikasi Kebakaran Lahan Gambut Terdegradasi Berbasis Neraca Air" (Studi Kasus Desa Sei Ahas Kalimantan Tengah), Penelitian Dasar Unggulan Perguruan Tinggi Tahun 2018 (tahun ke-2).

Lain-lain

- Kepala Program Magister Manajemen Bencana Alam (2009 – 2012)
- Sekretaris Program Magister Teknik Sipil (2014 – 2015)
- Member of SATREPS: Integrated Study on Mitigation of Multimodal Disasters caused by Ejection of Volcanic Products (2015 – present)

Radiana Triatmadja

- Professor di bidang Teknik Pantai, Hidraulika Komputasi, Distribusi Air Dalam Jaringan Pipa

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Ph.D : University of Strathclyde, Glasgow , United Kingdom

Mata kuliah yang diampu

Program sarjana

- Kalkulus I; Algoritma & Program; Perangkat Lunak dalam Bidang Teknik Sipil (Hidrologi/Hidraulika, Lingkungan, Teknik Transportasi); Pelabuhan; Teknik Penyediaan Air Minum; Struktur Lepas Pantai; Hidrodinamika

Program pascasarjana

- Asesmen dan Rehabilitasi bangunan keairan dan lepas pantai; Gelombang dan Tsunami; Manajemen Bencana wilayah pesisir; Infrastruktur Penyediaan Air Minum

Organisasi

- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)
- Tsunami Society International
- IAHR (International Association for Hydro-Environment Engineering and Research)

Publikasi Ilmiah

1. Benazir, Triatmadja, R., Rahardjo, A.P., Yuwono, N., 2017. "Comparison of Methods For Simulating Tsunami Run-Up Through Coastal Forests", Journal of Tsunami Society International.
2. Triatmadja. R., (2015) Numerical Simulations of an Evacuation From a Tsunami at Parangtritis Beach In Indonesia, Science of Tsunami Hazard Vol 34 No 1, Tsunami Society
3. Triatmadja. R., and Benazir (2014), Simulation of Tsunami Force On Rows of Buildings In Aceh Region After Tsunami Disaster In 2004, Science of Tsunami Hazard, Vol. 33 Number 3 (2014), pp 156-169, Tsunami Society
4. Triatmadja. R., and A. Nurhasanah., (2012), Tsunami Force on Buildings with Opening and Protection, Journal of Earthquake and Tsunami, Vol.6, No. 4, World Scientific

5. Triatmadja. R., (2010), Numerical Modeling of Wave Propagation Into A Harbor Using Improved Characteristics Scheme, Journal of HydroEnvironment Research, 4(2010),143-151, Elsevier

Lain-lain

- “Bangunan Pemecah Gelombang Ambang Rendah Dari Karung Geotekstil Untuk Pengendali Erosi Pantai” Patent : IDP000048260; Date: 18 Oktober 2018

Dosen Lingkungan

Budi Kamulyan

- Associate Professor di bidang Sanitasi, Teknik Lingkungan, Penyediaan Air, dan Drainase.
- Kepala Laboratorium Penyehatan (2016-sekarang)

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Riwayat Akademik

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- M. Eng : Environmental Engineering, Asian Institute of Technology, Thailand
- Ph.D : University of Strathclyde, Glasgow , United Kingdom

Mata kuliah yang diampu

Program sarjana

- Kimia untuk Teknik Sipil; Drainase dan Sanitasi Lingkungan; Teknik Penyediaan Air; Pengolahan Limbah; Pencegahan dan Penanganan Polusi Air

Program pascasarjana

- Manajemen Infrastruktur; Topik Spesial; Infrastruktur Penyediaan Air Minum

Organisasi

- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)
- PII (Persatuan Insinyur Indonesia)

Publikasi Ilmiah

1. Fahrianto, A.S., Supraba, I., Triatmadja, R., Kamulyan, B., 2017. "Universitas Gadjah Mada Drinking Water Supply System (UGM-DWSS) potential on supporting green campus program in Universitas Gadjah Mada", Proceeding The 3rd International Conference on Science and Technology ICST 2017.
2. Setiawan, T., Triatmadja, R., Supraba, I., Kamulyan, B., 2017. "The Performance of Universitas Gajah Mada's Campus Drinking Water Supply System", Proceeding The 3rd International Conference on Science and Technology ICST 2017.
3. Kamulyan, B., Nurrochmad, F., Triatmadja, R., Sunjoto, 2014. "Kajian Teoritis Cucibalik Filter Beton", Proceeding Annual Engineering Seminar, Faculty of Engineering Gadjah Mada University.
4. Kamulyan, B., Nurrochmad, F., Triatmadja, R., Sunjoto, 2013. "Kajian Kemampuan Filter Beton Pasir dalam menurunkan Mineral Lempung dalam Air Sungai" Proceeding Annual Engineering Seminar, Faculty of Engineering Gadjah Mada University.

5. Kamulyan, B., Nurrochmad, F., Triatmadja, R., Sunjoto, 2012. "The Rate of Particle Removal During Filter Backwashing", Proceeding of the International Conference on Environmental Pollution and Public Health, Shanghai, China.

Penelitian yang sedang berjalan

- The Effectivity of Water Treatment Procces Operated by PDAM in Indonesia

Intan Supraba

- Asisten Professor di bidang Teknik Lingkungan.
- Ketua Divisi Penelitian, Layanan Masyarakat, Kerjasama, Publikasi, Alumni, Sistem Informasi, dan Keselamatan, Kesehatan dan Lingkungan (2016-sekarang)
- Sekretaris University Network for Indonesia Infrastructure Development (<http://uniid.or.id/>) (2016-sekarang)
- Anggota dari Komite Eksekutif International Association for Hydro-Environment Engineering and Research-Asia Pacific Division (IAHR-APD) (2017-2018)



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- https://www.researchgate.net/profile/Intan_Supraba
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Riwayat Akademik

- S.T. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Sc. : Environmental Science and Engineering, Nanyang Technological University, Singapore in a partnership with Stanford University, United States of America
- Ph.D : Field Engineering for the Environment, Hokkaido University, Japan

Mata kuliah yang diampu

Program sarjana

- Fisika; Kalkulus I; Fisika untuk Teknik Sipil; Dasar Teknik Lingkungan; Perangkat Lunak untuk Teknik Sipil I (Hidrologi/Hidraulika, Lingkungan, Teknik Transportasi); Teknik Penyediaan Air Minum; Pencegahan dan Penanganan Polusi Air; Aliran Airtanah

Program pascasarjana

- Teknologi Konservasi Air; Topik Spesial; Infrastruktur Penyediaan Air Minum; Manajemen Limbah Padat; Pengembangan Masyarakat

Organisasi

- IAHR (International Association for Hydro-Environment Engineering and Research)
- PII (Persatuan Insinyur Indonesia)
- JSCE (Japan Society of Civil Engineering)

Publikasi Ilmiah

1. Pratiwi, D.M., Budiman, A., Supraba, I., 2018. "Identification of Algae Types Causing Algae Blooms in Waste Water Treatment Plant (WWTP) ITDC Bali", Proceedings of The 12th South East Asian Technical University Consortium (SEATUC) Symposium "Engineering Education and Research for Sustainable Development", ISSN: 1882-5796, OS09-01.
2. Setiawan, T., Triatmadja, R., Supraba, I., Kamulyan, B., 2018. "Campus Drinking Water Supply System Performance Analysis Universitas Gadjah Mada of Yogyakarta", Applied Mechanics and Materials, Vol. 881, pp. 64-69.
3. Rono, H.J., Sujono, J., Jayadi, R., Supraba, I., 2017. "A Case Study of Water System to Support Land Reclamation using Bioengineering Method on Coastal Area in Bantul Regency, DIY", Proceedings of the 37th IAHR World Congress, ISSN: 1562-6865, pp. 2907-2916.
4. Supraba, I., 2017. "Comparison of Rainfall Data Management Between Indonesia and Japan", Prosiding Simposium II-UNIID 2017, e-ISBN: 978-979587-734-9, pp. 2-6.
5. Supraba, I., Yamada, T.J., 2015. "Uncertainty of Peak Runoff Height Associated With Uncertainties of Water Holding Capacity and Rainfall Pattern", Journal of Global Environment Engineering, Japan Society of Civil Engineers, Vol. 71, No. 5, I_17-I_22. Link: https://www.jstage.jst.go.jp/article/jscejer/71/5/71_I_17/_article/-char/ja/
6. Supraba, I., Yamada, T.J., 2015. "Potential Water Storage Capacity of Mountainous Catchments Based on Catchment Characteristics", Journal of Japan Society of Civil Engineers, Ser.B1 (Hydraulic Engineering), Vol. 71, No.4, I_151 – I_156. Link: https://www.jstage.jst.go.jp/article/jscejhe/71/4/71_26/_article/-char/ja/
7. Supraba, I., Yamada, T.J., 2014. "Catchment Storage Estimation Based on Total Rainfall-Total Loss Rainfall Relationship for 47 Catchments in Japan", Journal of Japan Society of Civil Engineers, Ser.B1 (Hydraulic Engineering), Vol. 70, No. 4, I_169-I_174. Link: https://www.jstage.jst.go.jp/article/jscejhe/70/4/70_29/_article/-char/ja/

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- Dosen di bidang Sanitasi dan Teknik Lingkungan

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Riwayat Akademik

- S.T. : Teknik Kimia, Universitas Gadjah Mada, Indonesia
- M. Sc. : Teknik Kimia, Universitas Gadjah Mada, Indonesia
- Ph.D : Life & Environmental Sciences, University of Tsukuba, Japan

Mata kuliah yang diampu

Program sarjana

- Kimia untuk Teknik Sipil; Pencegahan dan Penanganan Polusi Air; Pengolahan Air Limbah; Teknik Pengolahan Air

Program pascasarjana

- Manajemen Infrastruktur Air Limbah Domestik; Manajemen Infrastruktur Air Limbah Padat

Publikasi Ilmiah

1. **J.S.M. Ahmad**, W. Cai, Z. Zhao, Z. Zhang, K. Shimizu, Z. Lei, D.-J. Lee, Stability of algal-bacterial granules in continuous-flow reactors to treat varying strength domestic wastewater, *Bioresour. Technol.* 244 (2017) 225–233.
2. **J.S.M. Ahmad**, W. Cai, M. Jin, M.T. Nguyen, Z. Lei, Z. Zhang, Study on Stability of Aerobic Algal-bacterial Granular Sludge in A Continuous Flow Reactor, *Japanese Journal of Water Treatment Biology.* 36 (2016), ISSN 09106766.
3. **J.S.M. Ahmad**, Comprehensive roof garden as an approach for integrated urban activities-rural atmosphere and sustainable on-site sanitation system: pilot project in Yogyakarta, Indonesia, *SUSTEP International Symposium (2016)*, at Jiangnan University, Wuxi, China.
4. Kamulyan, **J.S.M. Ahmad**, R. Jayadi, Adapting climate change by using roof garden with closed cycle water utilization for creating micro climate improvement, *The 5th AUN/SEED-net Regional Conference on Global Environment Proceeding (2012)*, ISBN 978-60217165-02

Penelitian yang sedang berjalan

- Algal-bacterial granular sludge for effective and low-cost wastewater treatment, aeration-free aerobic treatment.
- Leachate treatment
- Eutrophication water treatment process

Ni Nyoman Nepi Marleni

- Dosen di bidang Environmental Engineering
- Ketua Program Sarjana Prodi TIL (2021 – sekarang)

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Google Scholar: <https://scholar.google.com/citations?user=WqeFx4wAAAAJ&hl=id&oi=ao>



Riwayat Akademik

- S.T. : Environmental Engineering, Institut Teknologi Sepuluh Nopember Surabaya
- M. Sc. : Water Resources Engineering, Vrije Universiteit Brussels, Belgium
- Ph.D : Engineering & Science, Victoria University

Mata kuliah yang diampu

Program Sarjana

- Kalkulus Dasar, Kimia, Manajemen dan Pengolahan Air Limbah, Ekonomi Teknik, Kalkulus Dan Geometri Analitik, Kalkulus I, Kalkulus II

Program Pascasarjana

- Metodologi Penelitian, Sistem Sanitasi Kesehatan Masyarakat Dan Lingkungan, Infrastruktur Pengelolaan Limbah Domestik, Topik Spesial, Pengelolaan Darurat Bencana Alam, Pemodelan Kualitas Air Dan Lingkungan

Organisasi

- PII – BKTL (Persatuan Insinyur Indonesia – Badan Kejuruan Teknik Lingkungan)
- IATPI (Ikatan Ahli Teknik Penyehatan/Teknik Lingkungan Indonesia)

Publikasi Ilmiah

1. Study of community-based waste management strategy determination in Magelang City. (2022). Community Empowerment (CE) Journal..
2. The Application of Combined Phytoremediation Greywater Treatment in A Single House. (2021). Journal of the Civil Engineering Forum (JCEF).
3. Aplikasi Penggunaan Biji Asam Jawa (Tamarindus Indica L.) sebagai Alternatif Pengganti Bahan Koagulan di IPA Bolon, PDAM Tirta Lawu, Kabupaten Karanganyar. (2021). Simposium Nasional Teknologi Infrastruktur (SNTI) Abad 21.
4. A Critical Review of Wastewater Resource Recovery Implementation in Indonesia. (2020). Journal of The Civil Engineering Forum.
5. Pembangunan Ruang Terbuka Hijau (RTH) di Kampung Tulung RW. 02 Kota Magelang. (2020). Community Empowerment.

Penelitian

1. Identifikasi Tingkat Kerawanan Daerah dalam Pengelolaan Sampah (Sustainable Urbanization) – Penelitian Terapan Kompetitif Nasional 2022.
2. Identifikasi Hambatan, Tantangan dan Pendukung Implementasi Nutrient Recovery di Indonesia – Hibah Penelitian DTSL 2022.
3. Pengolahan air limbah beton: penurunan kadar pH dan suspended solid – Hibah Penelitian DTSL 2022.
4. Pengembangan Seismic Vulnerability Index for Water Distribution Network (VIWDN) Area Studi: Wilayah Pelayanan PDAM Kota Yogyakarta) – RTA (2022).
5. Penilaian Tingkat Kerentanan Sistem Pengelolaan Air Limbah dan Sistem Penyediaan Air Minum – Hibah Penelitian Dana DTSL 2020.

Sri Puji Saraswati

- Associate Professor di bidang Teknik Lingkungan, Sanitasi, Pengolahan Limbah, Teknik Lingkungan Sungai, Penanganan Polusi Air, Penilaian Kualitas Air Sungai, Pengolahan Limbah Domestik

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Sc. : Environmental Technology, Imperial Collge, University of London, England, UK
- Dr. : Teknik Sipil, Universitas Gadjah Mada, Indonesia

Mata kuliah yang diampu

Program sarjana

- Kimia untuk Teknik Sipil; Dasar Teknik Lingkungan; Perangkat Lunak untuk Teknik Sipil I (Teknik Lingkungan); Pengolahan Limbah Domestik; KOnترول dan Pencegahan; Teknologi Konservasi Air; Pengolahan dan Manajemen Air Limbah

Program pascasarjana

- Teknik Pengolahan Limbah Domestik; Teknologi Konservasi Kualitas Air

Organisasi

- HATHI (Himpunan Ahli Teknik Hidraulik Indonesia)
- PII (Persatuan Insinyur Indonesia)
- IATPI (Indonesian Association of Sanitary and Environmental Engineers)

Publikasi Ilmiah

1. Saraswati, S.P., 2017. “Kajian Kualitas Air Sungai Winongo dengan Metode Uji Toksisitas AODs”, Prosiding Konferensi Internasional Inovasi Lingkungan Terbangun ke-4 Tema Mewujudkan Infrastruktur yang Berkeadilan: FTSP UII Yogyakarta 12 Oktober 2017. (https://drive.google.com/file/d/1QA8HpRIBhR7u8KJnQdxUDB4Xj3KGR0_i/view)
2. Saraswati, S.P., 2017. “Hubungan Aliran Air Sungai dan Indeks Kualitas Air untuk Pengendalian Pencemaran Air (Studi Penelitian Sungai Winongo)”, Prosiding Konferensi Internasional Inovasi Lingkungan Terbangun ke-4 Tema Mewujudkan Infrastruktur yang Berkeadilan: FTSP UII Yogyakarta 12 Oktober 2017. (https://drive.google.com/file/d/1QA8HpRIBhR7u8KJnQdxUDB4Xj3KGR0_i/view)
3. Saraswati, S.P., Kironoto, B.A., Sunjoto., Hadisusanto,S., 2017.” Comparative Analysis of Water Quality Indices”, Proceeding Proceedings of the 37th IAHR World Congress, Malaysia.

(<https://www.iahr.org/site/cms/contentDocumentLibrary/View.asp?chapter+42&category=409>)

4. Saraswati, S.P., 2016. "Freezing Concentration at AODs Toxicity Test", AIP Conference Proceeding, International Conference of ICST 2015.(<http://scitation.aip.org/content/aip/proceeding/aipcp/1755>)
5. Saraswati, S.P., Dibyosaputro,S., Josef,H.K., Hadisusanto,S., 2016. "Community Engagement With Urban River Improvement: The Case Of Yogyakarta City", Journal of People and Environment, Vol 23, No. 3, September Edition 2016. page 390-393. (www.aifisdigilib.org/uploads/1/3/4/6/13465004/2016-september.doc)
6. Saraswati, S.P., 2016. "Identification of Water Quality Significant Parameter With Two Transformation/Standardization Methods on Principal Component Analysis and Scilab Software", Journal of the Civil Engineering Forum, Vol 2 No. 3 September 2016 (<http://jurnal.ugm.ac.id/jcef>, ISSN 2549-5925 (online))

Penelitian yang sedang berjalan

- Development of Water Quality Indexes of Indonesian Tropical Rivers for Ecohydraulics.
- Water Quality Conservation in Water Resources.
- Modification of Tripicon System.

Dosen Geoteknik

Agus Darmawan Adi

- Associate Profesor di bidang Geoteknik
- Kepala Laboratorium Geoteknik (2016-2020)

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Riwayat Akademik

- Ir. : Civil Engineering, Universitas Gadjah Mada, Indonesia
- M. Sc. : Civil Engineering, University of Newcastle upon Tyne, UK
- Ph.D : Civil Engineering, Strathclyde University, UK

Mata kuliah yang diampu

Program Sarjana

- Mekanika Tanah; Teknik Fondasi Dangkal; Mekanika Tanah II; Teknik Fondasi Dalam; Penyelidikan Tanah

Program Pascasarjana

- Aspek Geoteknik untuk Manajemen Infrastruktur; Geoteknik; Teknik Fondasi Lanjut; Stabilitas Lereng;

Organisasi

- HATTI (Indonesian Society for Geotechnical Engineering)

Publikasi Ilmiah

1. Pujiastuti,H., Rifa'i,A., Adi,A.D, Fathani,T.F., 2018. "The effect of matric suction on the shear strength of unsaturated sandy clay", International Journal of GEOMATE.
2. Bamboo Mat as a Temporary Reinforced Soil Retaining Wall in a Railway Bed (2017). Proceedings of the International Conference on Technology and Vocational Teachers (ICTVT 2017)
3. Pengujian Pembebanan pada Tanah dengan Lapisan Geomembran di Laboratorium (2017). 21st Annual National Conference on Geotechnical Engineering
4. Geotechnical characteristics of pumice for reduce liquefaction potential (2017). The 1st Warmadewa International Conference on Architecture and Civil Engineering "Sustainability Design and Culture"
5. Uji Pembebanan pada Model Perkerasan Kaku (Rigid Pavement) Sistem Cakar Ayam Modifikasi (CAM) Skala Penuh di Lapangan pada Tanah Lunak (2016). Seminar Nasional Geoteknik 2016 HATTI Yogyakarta.
6. Analisis Potensi Likuifaksi pada Lapisan Tanah Mengandung Pumice (2016). Seminar Nasional Geoteknik 2016 HATTI Yogyakarta.
7. Elektrokinetik: Fenomena dan Potensi sebagai Alternatif Stabilisasi Tanah Lempung Lunas (2016). Seminar Nasional Geoteknik 2016 HATTI Yogyakarta

8. Uji Laboratorium Kinerja Filter Alami Untuk Mencegah Erosi Dalam Tanah (2016). The 6th Annual Engineering Seminar
9. Rembesan air Pemicu Amblesan Tanah (2014). Prosiding Anual Engineering
10. Desain dan Pengembangan Alat Bantu Rehabilitasi Stroke untuk Anggota Gerak Bawah (2014). Prosiding Annual Engineering Seminar
11. Pengaruh perubahan Kadar Air Tanah Terhadap Parameter Kekuatan Tanah Lempung (2013). Annual Engineering Seminar
12. Studi kekerasan Jalan Piyungan Wonosari dari Aspek Geoteknik (2006). Jurnal Forum Teknik.
13. Pengaruh Sisipan Anyaman Bambu dalam Tanah Pasir Terhadap Kuat Dukung Tanah (2004). Jurnal Forum Teknik.

Penelitian yang sedang berjalan

1. Likuifaksi
2. Perbaikan Tanah
3. Perkuatan Tanah

Ahmad Rifa'i

- Associate Professor dalam Bidang Geoteknik
- Dewan Pengawas, UGM
- Asesor Badan Akreditasi Nasional untuk Pendidikan Tinggi, Indonesia
- Associate Editor Jurnal International GEOMATE



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Google : <https://scholar.google.co.id/citations?user=nD8vW5QAAAAJ&hl=en>

Riwayat Akademik

- Ir. : Universitas Gadjah Mada, Indonesia
- MT : Institut Teknologi Bandung, Indonesia
- Dr. : The Swiss Federal Institute of Technology Lausanne (EPFL)

Mata kuliah yang diampu

Program Sarjana

- Pengenalan Geologi; Mekanika Tanah; Teknik Fondasi; Aliran Air Tanah; Mekanika Batuan; Software Geoteknik;

Program Pascasarjana

- Vulkanologi; Pergerakan Tanah dan Erosi; Elemen Hingga untuk Geoteknik; Mekanika Batuan Terapan dan Terowongan; Aliran melalui media porus; Mekanika Tanah Tak Jenuh; Geoteknik untuk Struktur Bawah Tanah;

Organisasi

- GEOMATE (Geotec., Const. Mat. & Env.) International Society
- ISSMG (International Society for Soil Mechanics and Geotech. Engineering)
- HATTI (Indonesian Society for Geotechnical Engineering)

Publikasi Ilmiah

1. **Rifa'i A**, and Noriyuki Yasufuku, 2018, Physical Modeling of Proposed Porous Drainage System to Solve Inundation Problem, International Journal of GEOMATE, ISSN: 2186-2982(Print), 2186-2990(Online), August 2018, Vol.
2. Heni Pujiastuti, ***Ahmad Rifa'i**, Agus Darmawan Adi and Teuku Faisal Fathani, 2018, The Effect of Matric Suction on The Shear Strength of Unsaturated Sandy Clay, International Journal of GEOMATE (Geotec., Const. Mat. & Env.), ISSN: 2186-2982(Print), 2186-2990(Online), Feb., 2018 Vol.14, Issue 42, pp.112-119
3. Adhitya Yoga Purnama, ***Ahmad Rifa'i** and Hary Christady Hardiyatmo, 2018, Fuel Tank Foundation Improvement System on Soft Soil Layer Based on 3D Numerical Simulation,

- International Journal of GEOMATE (Geotec., Const. Mat. & Env.), ISSN: 2186-2982(Print), 2186-2990(Online), Feb., 2018 Vol.14, Issue 42, pp.13-19.
4. **Rifa'i A**, and Noriyuki Yasufuku, 2017, Utilization of Bantak and Merapi Volcanic Ash for Porous Paving Block as Drainage Control in Prambanan Temple Yard, International Journal of GEOMATE, ISSN: 2186-2982(Print), 2186-2990(Online), March, 2017, Vol. 12, Issue 31, pp. 149-154.
 5. Puri A, Suhendro B, and **Rifa'i A**, 2017, Effect of Vertical Wall Barrier on The Rigid Pavement Deflection of Full Scale 1-Pile Row Nailed-Slab System on Soft Sub Grade, International Journal of GEOMATE, ISSN: 2186-2982(Print), 2186-2990(Online), April, 2017, Vol. 12, Issue 32, pp. 25-29.
 6. Latif D.O., **Rifa'i A**, and Suryolelono K.B., 2016, Chemical characteristics of volcanic ash in Indonesia for soil stabilization: Morphology and mineral content, International Journal of GEOMATE, ISSN: 2186-2982(Print), 2186-2990(Online), Japan.
 7. Nengah Sinarta I., **Rifa'i A**, Fathani F., Wilopo W., 2016, Geotechnical properties and geology age on characteristics of landslides hazards of volcanic soils in Bali, Indonesia, International Journal of GEOMATE, ISSN: 2186-2982(Print), 2186-2990(Online), Japan.
 8. **Rifa'i A**, Yuji Takeshita and Mitsuru Komatsu, 2015, Development of In Situ Permeability Test Using Constant Discharge Method for Sandy Soils, International Journal of Environmental, Chemical, Geological and Geophysical Engineering, Vol. 44 (11).

Penelitian yang sedang berjalan

1. 2018 – current, as National Geographic Explorer of National Geographic Society-NGS, “Comprehensive Design Criteria of Municipal Solid Waste Embankment in Indonesia to Protect Environmental Hazard” (**GRANT #HJ129R-17**).
2. 2017, awarded Patent Certificate with No. IDS000001572: No-fines Concrete Block of Gabion Structure Using Fly Ash And Merapi's Bantak.

Fikri Faris

- Tenaga Pengajar dalam bidang Geoteknik.

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Dr. Eng. : Faculty of Science and Engineering Shimane University, Japan

Mata kuliah yang diampu

Program Sarjana

- Menggambar Teknik; Pengenalan Geologi; Mekanika Tanah I; Mekanika Tanah II; Teknik Fondasi Dangkal; Aplikasi Software Teknik Sipil II; Aliran Air Tanah

Program Pascasarjana

- Penerapan Prediksi Longsor; Metode Element Hingga untuk Geoteknik; Mekanika Batuan Terapan dan Terowongan; Aliran Melalui Media Porus; Stabilitas Lereng Batuan;

Organisasi

- Japan Landslide Society
- Himalayan Landslide Society
- HATTI (Indonesian Society for Geotechnical Engineering)

Publikasi Ilmiah

1. Nur Alfian,S., Adi,A.D., Faris,F., 2017. "Bamboo Mat as a Temporary Reinforced Soil Retaining Wall in a Railway Bed", Proceedings of the International Conference on Technology and Vocational Teachers (ICTVT 2017).
2. Basoka,I.W.A., Rifa'i,A., Faris,F., 2017. "Changes of geotechnical properties of waste embankment for stability analysis at piyungan disposal site", The 1st Warmadewa International Conference on Architecture and Civil Engineering "Sustainability Design and Culture".
3. Illiyin,O.A., Faris,F., 2017. "Geotechnical Investigation and Numerical Analysis of Rockfall in South Coast of Gunung Kidul Regency", Journal of the Civil Engineering Forum.
4. Wang,F., Kuwada,Y., Okeke,A.C.O., Mitani,Y., Yang,H., Faris,F., Hayashi,H., Baba,S., 2015. "Detecting premonitory phenomena of landslide dam failure by piping", Engineering Geology for Society and Territory-Volume 2.

5. Faris,F., Fawu,W., 2014. “Investigation of the initiation mechanism of an earthquake-induced landslide during rainfall: a case study of the Tandikat landslide, West Sumatra, Indonesia”, Geoenvironmental Disasters.
6. Faris,F., Fawu,W., 2014. “Stochastic analysis of rainfall effect on earthquake induced shallow landslide of Tandikat, West Sumatra, Indonesia”, Geoenvironmental Disasters.
7. Faris,F., Fathani,T.F., 2013. “A coupled hydrology/slope kinematics model for developing early warning criteria in the Kalitlaga Landslide, Banjarnegara, Indonesia”, Progress of Geo-Disaster Mitigation Technology in Asia.
8. Fathani,T.F., Karnawati,D., Legono,D., Faris,F., 2011. “Development of early warning system for rainfall-induced landslide in Indonesia”, Proceeding The 2nd International Workshop on Multimodal Sediment Disaster - Asian Cloud Network on Disaster Research.

Penelitian yang sedang berjalan

- Developing rain infiltration profiling sensor for landslide monitoring and mitigation
- Modified geosynthetic for slope reinforcement

Hary Christady Hardiyatmo

- Profesor dalam bidang Geoteknik

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
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- Dr. Eng. : University Joseph Fourier Grenoble, France

Mata kuliah yang diampu

Program Sarjana

- Mekanika Tanah I; Mekanika Tanah II; Teknik Fondasi Dangkal; Teknik Fondasi Dalam; Penyelidikan Tanah; Perbaikan Tanah

Program Pascasarjana

- Aspek Geoteknik untuk Manajemen Infrastruktur; Geoteknik; Teknik Fondasi Lanjut; Stabilitas Lereng;

Organisasi

- HATTI (Indonesian Society for Geotechnical Engineering)

Publikasi Ilmiah

1. Hadi,A.I, Brotopuspito,K.S.,Pramumijoyo,S.,Hardiyatmo,H.C., 2018., “Regional Landslide Potential Mapping in Earthquake-Prone Areas of Kepahiang Regency, Bengkulu Province, Indonesia”, Geosciences Journal
2. Purnama,A.Y., Rifa'i, A., Hardiyatmo,H.C., 2018. “Fuel tank foundation improvement system on soft soil layer based on 3D numerical simulation”, International Journal of GEOMATE.
3. Djarwadi,D., Suryolelono,K.B., Suhendro,B., Hardiyatmo,H.C., 2017. “Effect of Clay Core Configuration of the Rock Fill Dams Against Hydraulic Fracturing”, Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials.
4. Waruwu,A., Hardiyatmo,H.C., Rifa'i, A., 2017. “Behavior of nailed-slab system on peat soil under loading”, proceeding The 1stWarmadewa International Conference on Architecture and Civil Engineering "Sustainability Design and Culture".
5. Diana,W., Hardiyatmo,H.C., Suhendro,B., 2017. “Effect of pile connections on the performance of the nailed slab system on the expansive soil”, International Journal of GEOMATE.

6. Hardiyatmo,H.C, 2017. “Alternatif Solusi Pembangunan PerkerasanJalanPada Subgrade BerdayaDukungRendah”, Jurnal INFO-TEKNIK.
7. Waruwu,A., Hardiyatmo,H.C., Rifa’i,A., 2017. “Compressive Behavior of Bagansiapiapi-Riau Peat in Indonesia”, Electronic Journal of Geotechnical Engineering.
8. Diana,W., Hardiyatmo,H.C., Suhendro,B., 2016. “Small-scale experimental investigation on the behaviour of nailed slab system in expansive soil”, AIP Conference Proceedings.
9. Djarwadi,D., Suryolelono,K.B., Suhendro,B., Hardiyatmo,H.C., 2016. “Investigation on the resistant of tropical residual soils as clay core of rock fill dams against hydraulic fracturing”, Japanese Geotechnical Society Special Publication.

Publikasi Buku

1. Mekanika Tanah I, UGM Press Yogyakarta
2. Analisis dan Perencanaan Pondasi, UGM Press Yogyakarta
3. Kontruksi Perkerasan & Penyelidikan Tanah, UGM Press Yogyakarta
4. Pemeliharaan Perkerasan Jalan, UGM Press Yogyakarta
5. Desain Sistem Modifikasi Cakar Ayam, UGM Press Yogyakarta
6. Erosi, UGM Press Yogyakarta
7. Tanah Expansif, UGM Press Yogyakarta
8. Stabilitas Tanah, UGM Press Yogyakarta
9. Pemecahan Masalah Mekanika Tanah I, UGM Press Yogyakarta

Penelitian yang sedang berjalan

- Behavior Of Embankment on Peat Soil Supported By Nailed Slab System

Lain-lain

1. Inventor of Modified Cakar Ayam System for Pavement constructions
2. Inventor of Nailed Slab System for Pavement constructions

Sito Ismanti

- Tenaga Pengajar dalam bidang Geoteknik.
- Sekretaris Program Magister Prodi MTS (2020 – sekarang)

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Riwayat Akademik

- ST : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Dr. Eng. : Dept. of Civil & Structural Engineering, Kyushu University, Japan

Mata kuliah yang diampu

Program Sarjana

- Mekanika Tanah II; Kakulus; Metodologi Penelitian; Pondasi Dangkal;

Program Pascasarjana

- Aplikasi Model Perkiraan Longsor; Elemen Hingga untuk Geoteknik; Analisis Dinamika Tanah; Stabilitas Lereng;

Organisasi

- HATTI (Indonesian Society for Geotechnical Engineering)

Publikasi Ilmiah

1. **Ismanti, S.** dan Yasufuku, N., 2016, “Evaluation of Bamboo Material Structure and Its Influence to Mechanical Behavior in Sand Soil Mixture under Static Loading”, Proceeding of International Mini Symposium CHUBU (IMS CHUBU), Japanese Geotechnical Society Special Publication, pp.161-166, Nagoya – Japan, May 26-28, 2016.
2. **Ismanti, S.** dan Yasufuku, N., 2016, “Effect of Bamboo Chips in Cemented Sand Soil on Permeability and Mechanical Properties in Triaxial Compression”, Proceeding of ICSMGE 2016: 18th International Conference on Soil Mechanics and Geotechnical Engineering, pp.84-90, Tokyo – Japan, September 5-6, 2016.
3. **Ismanti, S.** dan Yasufuku, N., 2016, “Liquefaction Resistance of Bamboo Leaf Ash Addition in Cemented Bamboo Chips-Sand Soil Mixture”, Proceeding of 8th Asian Joint Symposium on Geotechnical and Geo-environmental Engineering – JS-Tainan 2016, pp.88-91, Tainan – Taiwan, November 4-5, 2016.
4. **Ismanti, S.** dan Yasufuku, N., 2016, “Evaluation to the Environmental Aspect of Bamboo Leaf Ash Addition in Cemented Bamboo Chips-Sand Soil Mixture”, 12th Environmental Geotechnical Engineering Symposium, Nagasaki – Japan, September 25-26, 2017.

5. **Ismanti, S.** dan Yasufuku, N., 2017, “Effect of bamboo leaf ash addition in cemented bamboo chips-sand soil, mixture”, *Lowland Technology International*, 19 (1), pp. 13-26, International Association of Lowland Technology (IALT), ISSN 1344-9656.

Teuku Faisal Fathani

- Profesor dalam bidang Geoteknik
- Kepala Pusat Inovasi Mitigasi Bencana dan inovasi Teknologi, Universitas Gadjah Mada (Gama-InaTEK)
<http://gama-inatek.ugm.ac.id/>
- Direktur StIRRRD <https://stirrd.org/>
- Kepala Manajemen dan Perencanaan, Keuangan, Pengembangan, Sumber Daya Manusia dan Aset; Departemen Teknik Sipil dan Lingkungan UGM (2016-2020)
- Ketua Departemen Teknik Sipil dan Lingkungan (2020 – sekarang)



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Riwayat Akademik

- S.T : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. T : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Dr. Eng. : Geotechnical Engineering, Tokyo University of Agriculture and Technology, Japan

Mata kuliah yang diampu

Program Sarjana

- Mekanika Tanah; Teknik Fondasi; Mekanika Batuan; Penyelidikan Tanah;

Program Pascasarjana

- Geoteknik Lanjut; Mekanika Batuan Lanjut; Pergerakan tanah dan Longsor; Manajemen Infrastruktur, Monitoring dan Sistem Peringatan Bencana;

Organisasi

- International Consortium on Geo-Disaster Reduction: Vice President (2013-2020)
- ICL (International Consortium on Landslides): Director of World Center of Excellence on Landslide Disaster Reduction (2017 – 2020)
- ISGE/HATTI (Indonesian Society for Geotechnical Engineering)
- PII (Indonesian Association of Engineer)

Publikasi Ilmiah

1. **Fathani TF**, Legono D, Alfath MA, 2017, Sensitivity analysis of depthintegrated numerical models for estimating landslide movement, Journal of Disaster Research, Vol.12 No.3 pp.607-616, June 2017, Japan.
2. **Fathani TF**, Legono D, Karnawati D, 2017, A numerical model for the analysis of rapid landslide motion, Journal of Geotechnical and Geological Engineering, October 2017, Volume 35, Issue 5, pp 2253–2268.
3. **Fathani TF**, Wilopo W, 2017, Seismic microzonation studies considering local site effects for Yogyakarta City, Indonesia, Journal of Geomate, Vol.12, pp.152-160, Issue 32, April 2017, Tsu, Japan.

4. **Fathani TF**, Karnawati D, Wilopo W, 2016, An integrated methodology to develop a standard for landslide early warning systems, Journal of Natural Hazards and Earth System Sciences, Vol.16 pp.2123–2135 Issue 9.

Penelitian yang sedang berjalan

- Numerical modeling for landslide and debris flow
- Landslide monitoring and early warning system
- Sediment-related disasters mitigation at geothermal fields

Lain-lain

1. Project Leader of working group for the establishment of the International Standard on Early Warning System: SNI 8235: 2017 and ISO 22327
2. Awardee of Technology Innovator 2015 and the National Academic Leader 2017 from Ministry of Research, Technology and Higher Education of the Republic of Indonesia
3. Awardee of the National Intellectual Property 2016 from Ministry of Justice and Human Rights of the Republic of Indonesia

Intelektual Properti (PATEN)

1. Title of Invention: Simple-manual reading extensometer for landslide monitoring and EWS. Patent Number: IDP000038351
2. Title of Invention: Paper-recorded-automatic extensometer for landslide monitoring and EWS. Patent Number: IDP000038434
3. Title of Invention: Upperground extensometer for landslide MEWS with data logger. Patent Number: IDP000038787
4. Title of Invention: Underground extensometer to measure the movement of the ground surface. Patent Number: IDP000039806
5. Title of Invention: Tiltmeter to measure the deformation of landslide body. Patent Number: IDP000038968

Dosen Struktur

Akhmad Aminullah

- Asisten Professor di bidang Analisis Struktur, Struktur Jembatan, dan Struktur Baja.
- Sekretaris perencanaan direktorat UGM (2013-sekarang)

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Riwayat Akademik

- S.T. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. T. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Ph.D : Civil Engineering, Inha University, Korea Selatan

Mata kuliah yang diampu

Program sarjana

- Algoritma dan pemrograman; Kalkulus II; Metode Numerik II; Statika II; Struktur Baja I; Struktur Baja Terapan; Perangkat Lunak untuk Teknik Sipil II; Optimasi Konstruksi

Program pascasarjana

- Metode Numerik Lanjut, Teknologi material dan logam; Sistem Manajemen Jembatan

Organisasi

- HAKI (Himpunan Ahli Konstruksi Indonesia)
- PII (Persatuan Insinyur Indonesia)

Publikasi Ilmiah

1. MATLAB Graphical User Interface (GUI) for Prediction of Optimum Asphalt Content That Satisfies Marshall Parameters of HRS-Base HotMixtureAsphalt by Using Artificial Neural Networks (2018). Proceeding 12th International Conference Recent Trends in Engineering and Technology
2. Lateral Load Capacity Of Steel Truss Coupling Beam (2017). International Journal of Geomate
3. Analysis and Design of Shear Wall Coupling Beam Using Hybrid Steel Truss Encased in Reinforced Mortar (2017). Journal Procedia Engineering
4. Finite Element Method for Numerical Analysis of Post-tension Anchorage Zone (2014). Procedia Engineering.
5. Time Effects of Slab Casting Sequence in Two-Span Prestressed Concrete Bridge of Continuous for Live Load (2009). The First International Conference on Computation Technology in Concrete Structure
6. Determine the Optimal Cross Section of two Span Preflex Composite Girder Bridge (2009). Proceeding of the 5th International Symposium on Steel Structures

7. Analysis of 3 span PSC composite beams by lifting up and laying down the inner supports (2008). Proceeding Eleventh East Asia-Pacific Conference on Structural Engineering and Construction.
8. Apply genetic algorithm for single span reflex prestressed girder bridge (2008), Proceeding Eleventh East Asia-Pacific Conference on Structural Engineering and Construction.

Penelitian yang sedang berjalan

- Sistem monitoring kelayakan struktur untuk jembatan bentang panjang di Indonesia.
- Optimasi struktur jembatan dan bangunan.

Lain-lain

- Membuat system informasi infrastruktur
 - Sistem manajemen jembatan
 - Sistem manajemen gedung dan bandara
 - Sistem manajemen sungai
 - Sistem Quality Control untuk Industri Precast
 - Manajemen Konstruksi
 - Sistem pengawan konstruksi
- Mengembangkan aplikasi handphone untuk Teknik Sipil
 - Analisis dan Desain Struktur Baja (Truss, compression, tension dan flexural)
 - Analisis dan desain struktur beton bertulang (balok, kolom, pondasi, dan prestressed girder)
- Mengembangkan sistem informasi untuk akreditasi dan e-learning

Ali Awaludin

- Associate Professor di bidang Baja dan Kayu, Material Gedung yang berkelanjutan, Environmental vibration.
- Sekretaris Departemen Teknik Sipil dan Lingkungan (2016-2020)
- Direktur eksekutif CaRED Programme, program kerjasama antara UGM dengan MFAT Selandia Baru (2013-2019)



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Riwayat Akademik

- S.T. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Master Study Program in Civil Engineering, International School of Engineering, Chulalongkorn University, Bangkok
- Ph.D : Doctoral Study Program in Sustainable Built Environment, Faculty of Engineering, Hokkaido University, Sapporo
- Post-doctoral Fellowship program, Faculty of Engineering, Hokkaido University, Sapporo

Mata kuliah yang diampu

Program sarjana

- Konsep Teknik untuk Peradaban; Mekanika Bahan; Struktur Baja; Teknik Bambu dan Kayu; Metode Penelitian, Penulisan dan Kemampuan Presentasi; Mitigasi Bencana Alam

Program pascasarjana

- Mekanika Kontinum; Struktur Canai Dingin; Teknologi Bambu dan Kayu; Teknik Forensik

Organisasi

- JWRS (Japan Wood Research Society)
- IWoRS (Indonesian Wood of Research Society)
- Indonesian Code of Timber Construction
- IABSE (International Association of Bridge and Structural Engineering)

Publikasi Ilmiah

1. Laminated Veneer Lumber (LVL) Sengon: An Innovative Sustainable Building Material in Indonesia (2018). International Journal of Integrated Engineering. <http://penerbit.uthm.edu.my/ojs/index.php/ijie/article/view/1877>
2. The Performance of Cold-formed Steel Long-span Roof Structure Combined with Laminated Timber: Cold-formed Steel–Laminated Timber Composite (2017). Procedia Engineering. <https://www.sciencedirect.com/science/article/pii/S1877705817304277>

3. Bolt Spacing and End Distance of Bolted Connection of Laminated Veneer Lumber (LVL) (2017). Civil Engineering Dimension.
<http://ced.petra.ac.id/index.php/civ/article/view/19926>
4. Structural Test of Traditional Arfak House in Papua (2017). Procedia Engineering.
<https://www.sciencedirect.com/science/article/pii/S1877705817321641>
5. Study on utilization of LVL Sengon (*Paraserianthes falcataria*) for three-hinged gable frame structures (2016). International Journal of Engineering and Technology Innovation.
<http://ojs.imeti.org/index.php/IJETI/article/view/154>
6. Structural Condition Assessment of Steel-Framed Maintenance Plant in Muara Badak, Balikpapan, East Kalimantan (2016). Journal Applied Mechanics & Materials.
7. Development of Cold Formed Steel-Timber Composites for Roof Structures: Connection Systems (2016). International Journal of Technology.
<http://ijtech.eng.ui.ac.id/article/view/365>
8. Effects of node, internode and height position on the mechanical properties of *Gigantochloa atroviolacea* bamboo (2014). Procedia Engineering.

Penelitian yang sedang berjalan

- Pemanfaatan bahan lokal yang berkelanjutan dan inovatif untuk jembatan pejalan kaki dan rumah pra-fab.
- Sistem lantai beton - komposit LVL.
- Bambu glulam yang lebih tahan lama.

Lain-lain

- Pendiri konferensi internasional SCESCM (Sustainable Civil Engineering Structures and Construction Materials),
<http://conference.tsipil.ugm.ac.id/scescm/>
- Reviewer beberapa jurnal internasional dan konferensi.
- Penerima JWRS Progress Award 2009

Andreas Triwiyono

- Associate Professor di bidang Evaluasi dan Rehabilitasi Struktur Beton Bertulang, Sistem Manajemen Jembatan.

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Dr. Ing. : Universitat Gesamthochschule Kassel, Jerman

Mata kuliah yang diampu

Program sarjana

- Fisika untuk Teknik Sipil; Statika I; Mekanika Bahan; Struktur Beton Bertulang I; Struktur Baja I; Struktur Beton Pracetak dan Prategang; Struktur Jembatan

Program pascasarjana

- Sistem Manajemen Jembatan; Analisis Struktur Jembatan; Topik Spesial

Organisasi

- HAKI (Himpunan Ahli Konstruksi Indonesia)
- IAPPI (Ikatan Ahli Pracetak dan Prategang Indonesia)

Publikasi Ilmiah

1. Awaludin, A., Triwiyono, A., Emanuel Fadjari GA., 2017. "Sambungan Balok Kolom Keruing Dengan Tulangan GFRP dan Perkuatan pelat baja siku akibat beban monotonic", Prosiding Seminar Nasional Civil Explosion Universitas Negeri Yogyakarta, ISSN: 978-602-6338-97-6
2. Agustini, N K.A, Triwiyono, A., Sulisty, D., Suyitno., 2017." The behavior of steel structure exposed to fire : A review", Prosiding The 1st Warmadewa International Conference on Architecture and Civil Engineering Sustainability Design and Culture.
3. Sugijopranto, A., Triwiyono, A., Priyosulistyo, H., 2016. "Experimental Investigation on Pre-stressed Polypropylene-band", Prosiding Sustainable Civil Engineering Structure and Construction Materials (SCESCM).
4. Picauly, P.F., Suhendro, B., Priyosulistyo, H., Triwiyono, A., 2017. "The Damping Mechanism of Steel-rubber Composite Beams under Flexural Dynamic Excitation", Proceeding The 3rd International Conference on Science and Technology ICST 2017, ISSN: 978-153861874-5.
5. Picauly, F., Priyosulistyo, H., Suhendro, B, Triwiyono, A., 2017. "Influence of Vibration of Human Activity Upon a Simple Supported Slab with Tuned Mass Damper (TMD) and

- Fiber Reinforced Rubber (FRR) Absorber”, Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials, ISSN : 18777058
6. Kadarningsih, R., Muslikh, Triwiyono, A., Satyarno, I., 2017. “Analysis and Design of Reinforced Concrete Beam-column Joint Using King Cross Steel Profile”, Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials, ISSN: 18777058
 7. Sutarno, T.A., Prayitno., Triwiyono, A., 2017. “The Influence of Position and Number of Longitudinal Connection of Sengon Glulam Beams Towards Strength and Stiffness”, Proceedings of International Conference : Problem, Solution and Development of Coastal and Delta Areas.
 8. Purwanto, P., Satyarno, I., Triwiyono, A., 2017. “Bending capacity of reinforced concrete beam with a rough aggregate of 2/3 teak pieces”, Proceedings of International Conference : Problem, Solution and Development of Coastal and Delta Areas.
 9. Agustini, N.K.A., Triwiyono, A., 2016 “Analisis Pengaruh Jenis Dan Tebal Spray Applied Materials Fireproofing Terhadap Ketahanan Api Balok Baja”, Jurnal Teknik Sipil Volume 13, No. 4, April.
 10. Picauly, F., Priyosulistyo, H., Suhendro, B, Triwiyono, A., 2017, Influence of vibration of human activity upon a simple supported slab with tuned mass damper (TMD) and fibre reinforced rubber (FRR) absorber, Procedia Engineering.
 11. Triwiyono, A., Neo, F., Ardianto, J., Pratama, G.M. and Sugijopranoto, A. 2016, Experimental Investigation on the Flexural Performance of Brick Masonry Wall Retrofitted using PP-Band Meshes under Cyclic Loading, Applied Mechanics and Materials, ISSN: 1662-7482, Vol. 845.
 12. Chaerany, A., Awaludin, A., Triwiyono, A., Priyosulistyo, H., 2016, Structural Condition Assessment of Steel-Framed Maintenance Plant in Muara Badak, Balikpapan, East Kalimantan, Applied Mechanics and Materials, ISSN: 16627482, Vol. 845

Angga Fajar Setiawan

- Dosen di bidang Teknik Bahan Struktur, Teknik Struktur dan Gempa, Analisis Numerik Struktur

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Riwayat Akademik

- S.T. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Ph.D : Doctoral Study Program in Urban Management Department, Faculty of Engineering, Kyoto University, Kyoto, Japan

Mata kuliah yang diampu

Program sarjana

- Metode Numerik Struktur; Penggunaan Perangkat Lunak untuk Teknik Sipil; Teknologi Bahan Beton; Teknologi Bahan Struktur

Publikasi Ilmiah

1. Finite element method for numerical analysis of post-tension anchorage zone. *Procedia Engineering*.
<https://www.sciencedirect.com/science/article/pii/S1877705814032469>
2. Numerical analysis of RC columns accompanied with friction damping mechanism under cyclic loading. *Procedia Engineering*.
<https://www.sciencedirect.com/science/article/pii/S1877705817303831>
3. A High Seismic Performance Concept of Integrated Bridge Pier with Triple RC Columns Connected by Friction Damper Plus Gap (2018). *Earthquake Engineering of Japan Society of Civil Engineers (JSCE)*
4. Developmenet of A Shear Panel Damper Plus Gap (2018). *Structural Engineering of Japan Society of Civil Engineers (JSCE) Journal*.

Penelitian yang sedang berjalan

- Pengembangan kinerja seismik tinggi terpadu pada pilar jembatan dengan multi-kolom dihubungkan oleh hysterical damper.
- Bahan berkelanjutan untuk struktur.
- Perilaku seismik pada bangunan tradisional di Indonesia.

Lain-lain

- Paper terbaik pada 3rd SCESM (International Conference on Sustainable Civil engineering Structures and Construction Materials) 2016, Denpasar.

- Presenter terbaik pada 19th ICESE (International Conference of Earthquake and Structural Engineering) 2017, London.
- Paper terbaik pada Paper Competition of Tokyo Tech Indonesian Commitment Award (TICA) 2017, Tokyo Institute of Technology, Tokyo

Arief Setiawan Budi Nugroho

- Asisten Professor di bidang Manajemen dan Teknik Konstruksi.

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Riwayat Akademik

- S.T. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Civil Engineering, Chulalongkorn University, Thailand
- Ph.D : Civil Engineering, Hokkaido University, Jepang

Mata kuliah yang diampu

Program sarjana

- Statistika dan Probabilitas; Pengenalan Manajemen Konstruksi; Perangkat Lunak untuk Teknik Sipil II; Perencanaan dan Penjadwalan Proyek; Metode Konstruksi Gedung

Program pascasarjana

- Metode Numerik Lanjut; Produktivitas Konstruksi; Manajemen Alat Berat dan Metode Konstruksi; Aplikasi Komputer pada Manajemen Konstruksi; Hukum Konstruksi

Organisasi

- P3I (Pusat Pengkajian Pengadaan Indonesia)

Publikasi Ilmiah

1. N, A.S.B., 2014. "Proposed Bamboo School Buildings for Elementary Schools in Indonesia", *Procedia Engineering*
2. N, A.S.B., 2014., Aminullah., 2014. "Optimasi alokasi dan Penjadwalan Peralatan Pemeliharaan rutin jalan dengan algoritma genetika (Studi kasus peralatan pemeliharaan rutin jalan nasional di Provinsi Sumatra Selatan)", *Prosiding Annual Engineering*.

Ashar Saputra

- Asisten Profesor di bidang Analisis Struktur, Reliabilitas Struktur, Struktur Beton dan Bambu

Website : <http://tsipil.ugm.ac.id/id/profil-dosen/ashar-saputra>

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Riwayat Akademik

- S.T. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Eng. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- Ph.D : Civil Engineering, Chulalongkorn University, Thailand

Mata kuliah yang diampu

Program sarjana

- Mekanika Bahan; Statika II; Struktur Beton Bertulang I; Metode Numerik II; Analisis Dinamik Struktur dan Teknik Gempa; Desain Struktur Jembatan/Gedung

Program pascasarjana

- Statistika Teknik; Metode Penelitian; Struktur Tahan Gempa

Organisasi

- HAKI (Himpunan Ahli Konstruksi Indonesia)
- ACF

Publikasi Ilmiah

1. Jalali,N.A., Datu,I.T., Khairil., Siswosukarto,S., Saputra,A., 2018. “Dynamic characteristic of semi precast slab on low rise building”, International Journal of Civil Engineering and Technology.
2. Suitability Analysis of Office Building Design against Maintenance Cost (Case Study of Serayu Opak River Basin Organization, Yogyakarta Province) (2017). Journal of the Civil Engineering Forum.
3. Effect of the Skilled Worker Certification on the Sustainable Infrastructure Development (2017). Journal of the Civil Engineering Forum.
4. Impact Resistance of High Strength Self Compacting Concrete with Steel Fiber (2017). Jurnal Teknik Sipil.
5. Utilization of Polystyrene Waste for Wall Panel to Produce Green Construction Materials (2017). Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials.
6. Vibration Serviceability of Grha Sabha Pramana Auditorium under Human Induced Excitation (2017). Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials.

7. Impact Resistance of High Strength Self Compacting Concrete with Steel Fiber (2017). The 1st Warmadewa International Conference on Architecture and Civil Engineering "Sustainability Design and Culture"
8. Safety Performance of Concrete Structures In Indonesia (2017). Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials.
9. Efficient and Cheap Concrete Extending Bridge Model (2016). 6th International Annual Engineering Seminar
10. Perilaku Struktural Panel Dinding Beton Ringan Campuran Foam Ekstrak Klerak 50% dengan Menggunakan Perkuatan Kawat Locket (3015). The 5th Annual Engineering Seminar (AES 2015)
11. Penentuan Tegangan Lentur Bambu Laminasi dengan Mempertimbangkan Posisi Ruas Bambu (2014). Annual Engineering Seminar (AES 2014)
12. Perbaikan dan Perkuatan Geser Balok dengan Beton Resin Poliester (2014). Annual Engineering Seminar (AES 2014).
13. Pengaruh Kadar Resin pada Sifat Fisik dan Mekanik Beton Resin (2013). Annual Engineering Seminar (AES 2013).
14. Sifat Mekanika Tarik Sejajar Serat Bilah Bambu Laminasi Petung (Dendrocalamus Asper) Diuji Berdasarkan ISO 22157 (2013). Annual Engineering Seminar (AES 2013)

Penelitian yang sedang berjalan

- Pengaruh Air Laut pada Sifat Fisik dan Mekanik Struktur RC

Bambang Suhendro

- Profesor di bidang Teknik Struktur, Analisis Elemen Hingga Nonlinear, Struktur Dinamis dan Teknik Gempa, Sistem Monitoring Kelayakan Struktur, Teknik Forensik.
- Kepala Laboratorium Struktur (2016-sekarang)
- Anggota Komisi Nasional Jembatan Bentang Panjang dan Terowongan
- Anggota Komite Keamanan Konstruksi Nasional



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Riwayat Akademik

- B.E. & Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia. 1977 & 1979
- M. Sc. : Michigan State University, Michigan, USA, 1985
- Ph.D : Michigan State University, Michigan, USA, 1989
- Post Doctor : Michigan State University, Michigan, USA, 1996

Mata kuliah yang diampu

Program sarjana

- Persamaan Diferensial; Mitigasi Bencana Alam; Metode Numerik II; Pemeliharaan Infrastruktur; Struktur Lepas Pantai; Metode Elemen Hingga; Analisis Dinamik Struktur dan Teknik Gempa

Program pascasarjana

- Mekanika Kontinum; Metode Elemen Hingga Lanjut; Dinamika Tanah; Metode Penelitian; Rehabilitasi dan Asesmen Struktur; Pengawasan dan Instrumen; Sistem Manajemen Jembatan.

Organisasi

- HAKI (Himpunan Ahli Konstruksi Indonesia)
- AARGI (Asosiasi Ahli Rekayasa Gempa Indonesia)
- PII (Persatuan Insinyur Indonesia)

Publikasi Ilmiah

1. Suhendro, B. 2018. Modified Chicken Claw (Cakar Ayam Modifikasi) System – A new concept in Green Pavement Technology over Soft and Swampy Ground. Applied Mechanics & Materials Online, Vol. 881, 106-121, Switzerland.
2. Priyosulistyo, H., Picauly, F., Suhendro, B. & Triwiyono, A. 2018. The Damping Mechanism of Steel-Rubber Composite Beam under Flexural Dynamic Excitation. Applied Mechanics and Materials Online, Vol. 881, pp 98105, Trans Tech Publications, Switzerland
3. Suhendro, B., Hartono, H., Priyosulistyo, H., Rochmadi & Hartoko, A. 2018. Biodeterioration of Concrete in Tropical Marine Environment. The 4th International

- Conference on Rehabilitation & Maintenance of Civil Engineering and FIB Indonesia Mini Symposium on Concrete Structures. Best Western Premier, Solo Baru, July, 11-12, 2018.
4. Karina, C. N., Awaludin, A., Suhendro, B. & Chun, P. 2018. Collapse Simulation of Amnu Hawu Traditional Timber House in Nusa Tenggara, Indonesia. *International Journal of Technology*, Vol. 3, pp 513-525.
 5. Iman, M., Suhendro, B., Priyosulistyo, H. & Muslikh. 2018. Numerical Investigation on the Buckling Failure of Slender Tubular Member with Cutout Presence. *Applied Mechanics and Materials Online*, Vol. 881, pp 122-131, Trans Tech Publications, Switzerland.
 6. Iman, M., Suhendro, B., Priyosulistyo, H. & Muslikh. 2017. Buckling Failure of Slender Tubular Member of Offshore Structure wit Cutout Presence. *International Journal of Civil & Environmental Engineering, IJCEE-IJENS* Vol: 17, No: 02, 2017, pp. 11-18.
 7. Diana W., Hardiyatmo, H. C. & Suhendro, B. 2017. Effect of pile connections on the performance of the nailed slab system on the expansive soil. *International Journal of GEOMATE*, April, Vol. 12, Issue 32, pp. 134-141.
 8. Puri, A., Suhendro, B. & Rifa'i, A. 2017. Effects of vertical wall barrier on the rigid pavement deflection of full scale 1-pile row Nailed-slab System on soft sub grade. *International Journal of GEOMATE*, April, Vol. 12, 32, pp. 25-29.

Penelitian yang sedang berjalan

- Respon Dinamis Jembatan Cable-Stayed pada Eksitasi Dukungan Non-seragam.
- Retrofit seismik dari struktur yang ada.
- Perilaku creep dari Struktur Laminasi Bambu.

Lain-lain

- Scientific Patent (Nomor Paten : ID P0029758 – Scientific)
Modifikasi Sistem “Cakar Ayam” - Teknologi Perkerasan Hijau di atas Tanah Lunak dan Ekspansif. Direktorat Jenderal Hak Kekayaan Intelektual

Bambang Supriyadi

- Profesor di bidang Struktur

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- DEA. : Ecole Centrale de Lyon, France
- Dr. : Ecole Centrale de Lyon, France

Mata kuliah yang diampu

Program sarjana

- Struktur Baja I; Analissi Dinamsi Struktur dan Teknik Gempa; Persaman Diferensial

Program pascasarjana

- Struktur Baja I; Analissi Dinamsi Struktur dan Teknik Gempa; Persaman Diferensial

Organisasi

- HAKI (Himpunan Ahli Konstruksi Indonesia)
- HPJI atau IRDA (Indonesia Road Development Association)
- PII (Persatuan Insinyur Indonesia)
- LPJK (Lembaga Pengembangan Jasa Konstruksi) DIY, Nasional

Publikasi Ilmiah

1. Supriyadi,B., 2017. "Measurement of The Natural Frequency and Deflection of The Widespan -Floor System Due to Dynamic Live Load", International Journal of GEOMATE.
2. Riyanto,W., Muslikh, Supriyadi,B., 2017. "Perilaku Sambungan Sayap Menerus Balok Profil I dengan Kolom Tabung Baja Akibat Beban Siklik", Prosiding Seminar nasional Civil Explosion Universitas negeri Yogyakarta
3. Nugroho,M.S., Awaludin,A., Supriyadi,B., 2017. "Perencanaan Jembatan Pejalan Kaki Menggunakan Kayu Jati Hutan Rakyat sebagai Material Konstruksi", Prosiding Seminar nasional Civil Explosion Universitas negeri Yogyakarta.
4. Supriyadi,B., Suprpto, 2017. "The Behavior Semi-precast Slab under Dynamic Load", Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials.
5. Supriyadi,B., Suprpto., Hadjoh,I.E.S., 2017. "Stability Analysis of variation Span and Turning Angle against Width in suspension bridge", Proceeding of the Fifth Intl. Conf. Advances in Civil, Structural and Mechanical Engineering - CSM 2017.
6. Supriyadi,B., Puja,I.G.K., Sambada,F.A.R., Mungkasi,S., 2017. "Conservative formulation of unsteady pipe-flow model for water in its liquid form", Journal of Physics: Conference Series.

7. Supriyadi,B., Suprpto, Masagala,A.A., Imanuel Elvis S Hadjoh, I.W.S., 2017. “The Effect of Deck Width Addition Toward Stability of Cable Stayed Bridge: Case Study of Siak Sri Indrapura Bridge, Riau”, Journal MATEC Web of Conferences.
8. Supriyadi,B., Mungkasi,S., 2016. “Finite volume numerical solvers for nonlinear elasticity in heterogeneous media”, International Journal for Multiscale Computational Engineering.
9. Supriyadi,B.,Mungkasi,S., 2016. “Structural dynamic modification using matrix perturbation for vibrations without friction”, Journal of Physics: Conference Series.
10. Mungkasi,S., Supriyadi,B., Wiryanto,L.H., 2016. “Steady flow over an arbitrary obstruction based on the gravity wave equations”, Journal of Physics: Conference Series.
11. Amir,M.Y., Sulisty,D., Supriyadi,B., 2015. “Perilaku Lentur pada Keadaan Layan dan Batas Balok Beton Bertulang Berlubang Memanjang”, Jurnal Semesta Teknik.

Djoko Sulistyio

- Asisten Profesor di bidang Struktur Beton (Struktur Beton Bertulang dan Prategang), Analisis nonlinier struktur beton prategang dan bertulang

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- Dr.-Ing : Faculty of Engineering/Civil Engineering, Bergische University of Wuppertal, Germany

Mata kuliah yang diampu

Program sarjana

- Struktur Bangunan; Fisika untuk Teknik Sipil; Statika I; Mekanika Bahan; Desain Struktur untuk Gedung dan Jembatan; Struktur Beton Pracetak dan Prategang.

Program pascasarjana

- Durabilitas Bahan; Teori Cangkang dan Plat; Struktur Beton Lanjut; Struktur Beton Pracetak dan Prategang Lanjut

Organisasi

- PII (Persatuan Insinyur Indonesia)
- ACF
- ACI
- FIB

Publikasi Ilmiah

1. Mutmainah,RP., Sulistyio, D., Triwiyono, A., 2018. "Reinforced Concrete Corbel's Behavior using Strut and Tie Model", Journal of the Civil Engineering Forum Vol. 4 No. 2, May 2018.
2. Masdar,J., Sulistyio,D., Suprpto, 2017. "Perilaku Lentur Pelat Berongga dengan Variasi Tebal dan Pemanfaatan Kaleng Bekas sebagai Pembentuk Rongga", Prosiding Seminar nasional Civil Explosion Universitas negeri Yogyakarta
3. Suhendro,B., Suprpto., Sulistyio,D, 2017. "Influence of Bolt Tightening's Force to the Strength of Connection System of Bamboo Truss Structure with Wooden Clamp", Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials
4. Satyarno,I., Sulistyio,D., Heldita,D., Oliviera, A.T.C.R.D, 2017. "Full Height Rectangular Opening Castellated Steel Beam Partially Encased in Reinforced Mortar", Procedia Engineering

5. Agustini,N.K.A., Triwiyono,A., Sulisty,D., Suyitno, 2017. "The behavior of steel structure exosed to fire : A review", Proceeding The 1st Warmadewa International Conference on Architecture and Civil Engineering "Sustainability Design and Culture".
6. Haryanto,Y., Satyarno,I., Sulisty,D., 2017. "Analisis Daya Dukung Beban Balok Beton Bertulang Tampang T dengan Perkuatan Wire Rope pada Daerah Momen Negatif Menggunakan Program Response-2000 Dan Metode Pias", Jurnal Teknik Sipil.
7. Syarif,S., Satyarno,I., Sulisty,D., 2016. "Perilaku Lentur Balok Castellated Modifikasi dengan Pengaku Baja Tulangan", Jurnal Sipil Sains.
8. Satyarno,I., Sulisty,D., Prayitno,T.A., 2016. "Sifat Mekanika Bambu Petung Laminasi", Jurnal Dinamika Rekayasa.
9. Sulisty,D., Suprpto, Suhendro,B., 2015. "The Study of Wooden Clamps for Strengthening of Connection on Bamboo Truss Srtucture", Jurnal Teknologi.
10. Sukarno,P., Sulisty,D., 2015. "Analisis Lentur Balok Penampang T Berlubang Memanjang Menggunakan Metode Elemen Hingga Non-linier", Jurnal Semesta Teknika.
11. Mujiman,M., Priyosulistyo,H., Sulisty,D., Prayitno,T.A., 2015. "Pengaruh Dimensi dan Bentuk Lamina Zig-zag pada Kekuatan Geser dan Lentur Balok Laminasi-Vertikal Bambu Petung", Journal of Civil Engineering.
12. Masdar,A., Suhendro,B., Suprpto, Sulisty,D., 2015. "The Study of Wooden Clamps for Strengthening of Connection on Bamboo Truss Structure", Jurnal Teknologi

Penelitian yang sedang berjalan

- Studi eksperimen pada elemen desain struktur beton gedung menggunakan model strut dan tie

HRC. Priyosulistyo

- Profesor di bidang Teknik Struktur

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Riwayat Akademik

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- M. Sc. : The University of Stratchclyde, UK
- Ph.D : The University of Stratchclyde, UK

Mata kuliah yang diampu

Program sarjana

- Statika I; Analisis Dinamis Struktru dan Teknik Gempa; Struktur Beton Bertulang I; Struktur Beton Bertulang II

Program pascasarjana

- Teknik Forensik; Evaluasi dan Rehabilitasi Bangunan Lepas Pantai; Struktur Beton Lanjut; Manajemen Aset; Struktur Dinamis Lanjut

Organisasi

- PII (Persatuan Insinyur Indonesia)
- HAKI (Himpunan Ahli Konstruksi Indonesia)

Publikasi Ilmiah

1. Prayuda,H., Zega,B.C., Priyosulistyo,H., 2017. "Prediction of Allowable Lateral Ground Acceleration (in-Plane Direction) of Confined Masonry Walls Using Ambient Vibration (microtremor) Analysis", Proceeding of the 3rd Conference on Sustainable Civil Engineering Structures and Construction Materials, Scopus Indexed
2. Iman,M., Suhendro,B., Priyosulistyo,H., Muslikh, 2017. "Numerical investigation on buckling failure of slender member with cutout presence", Proceeding of the 3rd International Conference on Science and Technology ICST 2017.
3. Erlina,R., Priyosulisto,H., Saputra,A., 2017. "Vibration Serviceability of Grha Sabha Pramana Auditorium under Human Induced Excitation", Proceeding of the 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials, Scopus Indexed.
4. Priyosulistyo, H., Picauly,P.F., Suhendro,B., Triwoyon,A., 2017. "The damping mechanism of steel-rubber composite beams under flexural dynamic excitation", Proceeding of the 3rd International Conference on Science and Technology ICST 2017.
5. Nugroho,G., Priyosulistyo,H., Suhendro,B., 2017. "Numerical, analytical and experimental prediction of force of solid cylindrical steel beam subjected to axial tension force using vibration technique", Provceeding of the 3rd International Conference on Engineering, Technology, and Industrial Application - Green Process, Material, and Energy: A Sustainable Solution for Climate Change.

Penelitian yang sedang berjalan

- Faizah, R., Priyosulistyo, H., Aminullah, A., 2018, “Kinerja Seismik Dinding Pasangan Bata Menggunakan Spesi Mortar Serutan Karet Ban Bekas” , Program S3
- Darmayadi, D., Satyarna, I., 2018, “The Prediction of Force of Low Rise Building by Means of Micro and Macrotremor Analyses”, Program S3
- Bhara, K.B., Priyosulistyo, H., 2018, “The Behaviour of Old Masonry Building under Earthquake Shake ”, Program S3
- Cornelis, R., Priyosulistyo, H., Iman, S., Rohmadi, 2018, “The Behaviour of Alkali Cement Mortar and Concrete on Corrosive Environment”, Program S3
- Ramdani, Y., Priyosulistyo, H., 2018 “Optimization of Tuned Liquid Damper on Structures”, Program S3
- Picaully, F., Priyosulistyo, H., 2018, “Optimization of Tuned Mass Damper by Applying Viscoelastic Polymer Materials”, Program S3
- Zhafira, T., Priyosulistyo, H., 2018, “Dynamic Behaviour of Short Columns of Structural Scaled Model under Earthquake Shake”, Program S2
- Urfa, R.A., Priyosulistyo, H., 2018, “Dynamic Behaviour of Slender Columns of Structural Scaled Model under Earthquake Shake “, Program S2

Lain-lain

- Tujuan Patent dari “Prediction of Force of Cable by Applying Additional Support and Analyzing Embedded Mode of Vibration”

Iman Satyarno

- Profesor di bidang Teknik Gempa, Retofiting dan Evaluasi Seismik

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia.
- M. E. : Civil Engineering, University of Canterbury, New Zealand
- Ph.D : Civil Engineering, University of Canterbury, New Zealand

Mata kuliah yang diampu

Program sarjana

- Statistika dan Probabilitas; Stuktur Bangunan; Gerometrik Jalan; Teknik Jalan Rel

Program pascasarjana

- Analisis Desain Seismik; Dinamika Gempa; Pengurangan Risiko Bencana Gempa; Teknologi Bahan Bangunan; Teknologi Beton; Metode Konstruksi Terowongan dan Bangunan Bawah Tanah

Organisasi

- HAKI (Himpunan Ahli Konstruksi Indonesia)
- PII (Persatuan Insinyur Indonesia)

Publikasi Ilmiah

1. 2018, Soca Anggoro Wulan, Iman Satyarno, Ashar Saputra, “Mix Design of Self Compacting Concrete Based on Ultra High Compressive Strength Flow Mortar Mix”, Journal of the Civil Engineering Forum, Vol. 4 No. 1 (January 2018).
2. 2018, Muhamad Rusli A., Ali Murtopo1, Iman Satyarno1, and M. Fauzie Siswanto1, “Applied Mechanics and Materials”, ISSN: 1662-7482, Vol. 881, pp 150-157, doi:10.4028/www.scientific.net/AMM.881.150, © 2018 Trans Tech Publications, Switzerland
3. 2018, Cornelis, R., Priyosulistyo, H., & Satyarno, I. (2018). The Investigation on Setting Time and Strength of High Calcium Fly Ash Based Geopolymer. In Applied Mechanics and Materials (Vol. 881, pp. 158-164). Trans Tech Publications.
4. 2017, Iman Satyarno, Djoko Sulistyo, Dina Heldita, A. Talodaci Corte Real De Oliviera, “Full height rectangular opening castellated steel beam partially encased in reinforced mortar”, Procedia Engineering 171 (2017) 176-184, Published by Elsevier Ltd, doi:10.1016/j.proeng.2017.01.324
5. 2017, Rahmani Kadarningsih, Iman Satyarno, Muslikh, Andreas Triwiyono, “Analisis and design of reinforced concrete beam-column joint using King Cross steel profile”, Procedia

- Engineering 171 (2017) 948-956, Published by Elsevier Ltd,
doi:10.1016/j.proeng.2017.01.397
6. 2017, Nursiah Chairunnisa, Iman Satyarno, Muslikh, Akhmad Aminullah, “Analysis and design of shear wall coupling beam using hybrid steel truss encased in reinforced mortar” ,
Procedia Engineering 171 (2017) 940-947, Published by Elsevier Ltd,
doi:10.1016/j.proeng.2017.01.393
 7. 2017, Nursiah Chairunnisa, Iman Satyarno, Muslikh and Akhmad Aminullah, “Lateral Load Capacity of Steel Truss Coupling Beam”, International Journal of GEOMATE, Nov., 2017, Vol.13, Issue 39, pp.229-236 Geotec., Const. Mat. & Env., ISSN:2186-2990, Japan, DOI:
<https://doi.org/10.21660/2017.39.28253>

Penelitian yang sedang berjalan

- Desain alternatif joint balok-kolom beton bertulang.
- Desain alternatif balok dengan dinding geser beton bertulang.
- Desain alternatif geser beton bertulang pada engsel plastik balok.
- Structures with Base Isolation and Damper
- Perilaku seismic berdasarkan analisis dan desain bangunan
- Beton geopolimer
- Ultrahigh Performance Concrete
- Beton dengan bahan khusus misalnya beton ringan, beton dengan density tinggi, beton massa
- Beton dari bahan daur ulang
- Slab Track
- Beton Pracetak

Lain-lain

- Aktif dalam pengruangan risiko bencana : <https://stirrrd.org/>
- Kerjasama penelitian teknologi beton dengan perusahaan beton dan beton pracetak Indonesia

Inggar Septhia Irawati

- Instuktur di bidang Teknik Struktur

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- M. T. : Teknik Sipil, Universitas Gadjah Mada, Indonesia.
- Dr. : Teknik Sipil, Universitas Gadjah Mada, Indonesia.

Mata kuliah yang diampu

Program sarjana

- Kalkulus II; Fisika untuk Teknik Sipil; Statika II; Teknik Bambu dan Kayu; Desain Bangunan/Jembatan

Program pascasarjana

- Teknik Forensik; Struktur Bambu dan Kayu Lanjut

Organisasi

- Organisasi Insinyur Indonesia

Publikasi Ilmiah

1. Irawati,I.S., Awaludin,A., 2017. "The Performance of Cold-formed Steel Longspan Roof Structure Combined with Laminated Timber: Cold-formed Steel - Laminated Timber Composite", Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials.
2. Handayani,O.T., Syaher,M.D., Irawati,I.S., 2017. "Comparison of wind load analysis results based on Indonesia minimum design loads standard SNI 1727:2013 inputted automatically and manually by using SAP2000", Proceeding The 3rd International Conference on Science and Technology ICST 2017.
3. Satyarno,I., Awaludin,A., Irawati,I.S., 2017. "Evaluation of bolted connections in wood-plastic composites", Proceeding 5th Engineering International Conference on Education, Concept, and Application of Green Technology.
4. Arnandha., Satyarno,I., Awaludin,A., Irawati,I.S., Prasetya,Y., Prayitno,D.A., Winata,D.C., Satrio,M.H., Amalia,A., 2017. "Physical and Mechanical Properties of WPC Board from Sengon Sawdust and Recycled HDPE Plastic", Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials.
5. Irawati,I.S., Awaludin,A., 2017. "The Performance of Cold-formed Steel Longspan Roof Structure Combined with Laminated Timber: Cold-formed Steel - Laminated Timber Composite", Procedia Engineering.

Penelitian yang sedang berjalan

- Pengamatan sifat mekanik bamboo yang tumbuh di Yogyakarta
- Meningkatkan kualitas glue-strength dari glue-lamination bambu
- Observasi NDE diterapkan untuk memperoleh sifat mekanik Bambu.

Lain-lain

- Tim penasihat dari proyek pengembangan RS 5 lantai Kota Magelang
- Tim penasihat dari proyek pengembangan RS 6 lantai Kota Magelang
- Tim penasihat dari proyek pengembangan RS 8 lantai Kota Magelang
- Tim koordinator dari Building Specification Smart Green Learning Center Building, Fakultas Teknik, UGM
- Tim koordinator dari Building Specification ERIC, Fakultas Teknik UGM
- Tim koordinator dari pengembangan Technopark Fakultas Teknik UGM

Kartika Nur Rahma Putri

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Mata kuliah yang diampu

Program sarjana

- Pengenalan Manajemen Konstruksi

Publikasi Ilmiah

1. Risk Analysis and Modelling of Land Acquisition Duration in Highway Projects Using Montecarlo Simulation

Lain-lain

- Reviewer untuk beberapa jurnal dan konferensi

Fauzie Siswanto

- Associate Profesor di bidang Teknik Struktur

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- Dr. : Teknik Sipil, Universitas Gadjah Mada, Indonesia.

Mata kuliah yang diampu

Program sarjana

- Teknologi Dasar Beton dan Bahan Bangunan; Pengenalan Manajemen Konstruksi; Struktur Baja II; Teknologi Beton

Program pascasarjana

- Manajemen Infrastruktur; Fabrikasi dan Desain Campursn Beton; Teknologi Kayu dan Bambu; Beton non-ordinary; Bahan Konstruksi Perkerasan; Struktur Bambu dan Kayu Lanjut; Manajemen Aset.

Organisasi

- PII (Persatuan Insinyur Indonesia)

Publikasi Ilmiah

1. Magma,A.,P., Satyarno,I., Siswanto,M.F., 2017. “Perancangan Mix Design dengan Flow Mortar untuk Pembuatan Self Compacting Concrete (Scc) dengan Fas 0,3”, Konferensi Nasional ke-4 Inovasi Lingkungan Terbangun 2017.
2. Fristovan,T., Satyarno,I., Siswanto,M.F., 2017. “Pengaruh Substitusi Pasir dengan Serbuk Kayu pada Sifat Fisik dan Mekanik Beton Busa untuk Material Akustik”, Konferensi Nasional ke-4 Inovasi Lingkungan Terbangun 2017.
3. Hana P,M.A., Satyarno,I., Siswanto,M.F., 2017. “The Application of Ground Pumice in Foamed Concrete For Acoustic Material”, Proceeding The 2nd International Conference on Science and Technology (ICST).
4. Luvena,G.A., Siswanto,M.F., Saputra,A.. 2017. “Impact Resistance of High Strength Self Compacting Concrete With Steel Fiber”, Proceeding The 1st Warmadewa International Conference on Architecture and Civil Engineering "Sustainability Design and Culture".
5. Ratnasari,H., Satyarno,I., Siswanto,M.F., 2017. “Foam Concrete With Various Cement : Sand Ratios for Sound Absorbing Acoustical Material”, Proceeding Engineering International Conference.

6. Maskur,I., Satyarno,I., Siswanto,M.F., 2017. “Perancangan Campuran Flow Mortar untuk Pembuatan Self Compacting Concrete (SCC) dengan FAS 0.5”, Jurnal Ilmiah Dinamika Rekayasa.
7. Siswanto,M.F., 2015. “Pengaruh Perendaman Minyak Solar pada Kadar Air dan Kuat Tarik 3 Jenis Bambu”, Prosiding The 5th Annual Engineering Seminar (AES 2015)
8. Siswanto,M.F., Siswosukarto,S., Priyosulistyo,H., Prayitno,T.A., 2014. “Pengaruh Bahan pengawet CCB4 terhadap Kuat Geser Bambu Petung Terpapar Eksterior”, Prosiding Annual Engineering Seminar 2014.
9. Mariati,W., Siswanto,M.F., 2014. “Pengaruh bahan tambah sikamen NN pada kinerja beton granolith”, Prosiding Peran Rekayasa Sipil dalam Pembangunan Infrastruktur Perkotaan Berkelanjutan.
10. Siswanto,M.F., 2014. “Pengaruh Bahan Tambah Bestmittel pada workabilitas dan Kuat tekan beton”, Prosiding Peran Rekayasa Sipil dalam Pembangunan Infrastruktur Perkotaan Berkelanjutan.
11. Siswanto,M.F., Siswosukarto,S., Priyosulistyo,H., Prayitno,T.A., 2014. “Pengaruh posisi, kadar bahan pengawet dan lama waktu leaching pada kuat geser bambu wulung terpapar eksterior”, Prosiding Rekayasa dan Inovasi Teknologi untuk peningkatan kualitas hidup bangsa.
12. Siswanto,M.F., Siswosukarto,S., Priyosulistyo,H., 2014. “Pengaruh bahan pengawet terhadap berat jenis bambu petung terpapar eksterior, Proceeding Annual Engineering Seminar 2014.
13. Siswanto,M.F., Priyosulistyo,H., 2014. “Pengaruh posisi, kadar bahan pengawet dan lama waktu leaching terhadap kuat tarik bambu wulung terpapar eksterior”, Prosiding Seminar Nasional 2014 Teknik Sipil Universitas Muhammadiyah Surakarta.

Muslikh

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- Dr. : Institut Teknologi Bandung, Indonesia

Mata kuliah yang diampu

Program sarjana

- Statika I; Statika II; Mekanika Bahan; Struktur Beton Bertulang I; Struktur Baja II; Struktur Jembatan; Metode Numerik II

Program pascasarjana

- Metodologi Penelitian; Struktur Analisis Plastis; Topik Spesial

Organisasi

- HAKI (Himpunan Ahli Konstruksi Indonesia)
- FIB (Federation Internationale du Beton)

Publikasi Ilmiah

1. Muslikh, Anggraini, N.K., Hardjito, D., Antonius, 2018. "Behavior of Geopolymer Concrete Confined by Circular Hoops", Proceeding The 2nd International Joint Conference on Advanced Engineering and Technology, IJCAET 2017 and International Symposium on Advanced Mechanical and Power Engineering ISAMPE 2017.
2. Nuroji, Herdian Primadyas, D., Nurhuda, I., Muslikh, 2018. "The Comparison of Bond Strength between Geopolymer Concrete and OPC Concrete for Plain Reinforcing Bars", Proceeding The 2nd International Joint Conference on Advanced Engineering and Technology, IJCAET 2017 and International Symposium on Advanced Mechanical and Power Engineering ISAMPE 2017.
3. Chairunnisa, N., Satyarno, I., Muslikh, Aminullah, A., 2017. "Lateral load capacity of steel truss coupling beam", International Journal of Geomate, The Geomate International Society, 229-236.
4. Kadarningsih, R., Satyarno, I., Muslikh, Triwiyono, A., 2017. "Seismic performance of the use of King Cross steel profile in interior RC beam-column joint", Engineering International Conference on Education, Concept and Application on Green Technology, Univ. Negeri Semarang.
5. Awaludin, A., Firmanti, A., Muslikh., Theodarmo, H., Astuti, D., 2017. "Wood Frame Floor Model of LVL Paraserianthes Falcataria", Proceeding 3rd International Conference

- on Sustainable Civil Engineering Structures and Construction Materials SCESCM 2016, DTSL FT UGM.
6. Iman, M., Suhendro, B., Priyosulistyo, H., Muslikh, 2017. "Numerical investigation on buckling failure of slender member with cutout presence", Proceeding The 3rd International Conference on Science and Technology ICST 2017.
 7. Chairunnisa, N., Satyarno, I., Muslikh, Aminullah, A., 2016. "Analysis and design of shear wall coupling beam using hybrid steel truss encased in reinforced mortar", The 3rd International Conference of Sustainable Civil Engineering Structures and Construction Material SCESCM 2016, DTSL FT UGM.
 8. Chairunnisa, N., Satyarno, I., Muslikh, Aminullah, A., 2016. "Shear capacity of hybrid coupling beam", The 1st International Conference on Science and Technology, Univ. Mataram.
 9. Kadarningsih, R., Satyarno, I., Muslikh, Triwiyono, A., 2016. "Analysis and design of reinforced concrete beam column joint using king cross steel profile", The 3rd International Conference of Sustainable Civil Engineering Structures and Construction Material SCESCM 2016, DTSL FT UGM.
 10. Kadarningsih, R., Satyarno, I., Muslikh, Triwiyono, A., 2016. "Shear analysis and design of reinforced concrete beam column joint using King Cross steel profile", The 1st International Conference on Science and Technology, Univ. Mataram.
 11. Chairunnisa, N., Satyarno, I., Muslikh, Aminullah, A., 2014. "Various existing methods of coupling beams and a new alternative hybrid method", The 2nd International Conference of Sustainable Civil Engineering Structures and Construction Material, SCESCM 2014, DTSL FT UGM.

Suprpto Siswosukarto

- Asisten Profesor di bidang Teknik Struktur dan Bahan

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia.
- Ph.D : School of Civil Engineering, University of Leeds, United Kingdom

Mata kuliah yang diampu

Program sarjana

- Kimia untuk Teknik Sipil; Statika I; Mekanika Bahan; Statika II; Struktur Baja I; Struktur Lepas Pantai

Program pascasarjana

- Statistika Teknik; Preservasi dan Pemeliharaan Bangunan; Stuktur Beton Lanjut; Stuktur Baja ringan; Kekuatan Bahan LANjut; Eksperimen dan Penelitian; Manajemem Infrastruktur; Struktur Terowongan.

Organisasi

- PII (Persatuan Insinyur Indonesia)

Publikasi Ilmiah

1. Jalali,N.A., Datu,I.T., Khairil., Siswosukarto,S., Saputra,A., 2018. "Dynamic characteristic of semi precast slab on low rise building", International Journal of Civil Engineering and Technology.
2. Syarifudin., Saputra,A., Siswosukarto,S., 2018. "An Analysis of Energy Consumption in the Campus Building's Operation (Case Study: The Building of Faculty of Engineering and Department of Civil and Environmental Engineering, Universitas Gadjah Mada)", Journal of the Civil Engineering Forum.
3. Patuti,I.M., Rifa'i,A., Suryolelono,K.B., Siswosukarto,S., 2017. "The effect of water content change in Pluto-volcanic subsurface slope stability based on limit equilibrium and finite elemen method", Proceeding The 1st Warmadewa International Conference on Architecture and Civil Engineering "Sustainability Design and Culture"
4. Mulyo,T.W., Awaludin,A., Siswosukarto,S., 2017. "Analisis kekuatan lentur balok kayu sengon dengan sistem komposit balok sandwich (Lamina dan Plate)", Prosiding Seminar nasional Civil Explosion Universitas negeri Yogyakarta
5. Effi, C.P.Y.P., Supriyadi,B., Siswosukarto,S., 2017. "The Behavior Semi-precast Slab under Dynamic Load", Proceeding 3rd International Conference on Sustainable Civil Engineering Structures and Construction Materials, SCESCM 2016.

6. Saputra,A., Siswosukarto,S., 2017. “Suitability Analysis of Office Building Design against Maintenance Cost (Case Study of Serayu Opak River Basin Organization, Yogyakarta Province)”, Journal of the Civil Engineering Forum.
7. Putri,P.A., Siswosukarto,S., Satyarno,I., 2017. “Analisis Perilaku Geser Balok Kastella Modifikasi Komposita Modifikasi Komposit” Jurnal Politeknologi.
8. Kafraim, I.G.Y., Saputra,A., Siswosukarto,S., 2017. “Utilization of Polystyrene Waste for Wall Panel to Produce Green Construction Materials”, Journal Procedia engineering.
9. Rahmi,Y., Saputra,A., Siswosukarto,S., 2017. “Numerical Modelling of Interior RC Beam-Column Joints for Non-Engineered Buildings Strengthened Using Steel Plates”, MATEC Web of Conferences.
10. Yulistiyanto,B., Siswosukarto,S., Satyarno,I., Sunantyo,T.A., Prajitno., 2016. “Identification of potential use of waste natural stone mining as local material for construction purposes. Case study the development of MHP at Giritirta, Pejawaran, Banjarnegara”, Proceeding International Conference.

Penelitian yang sedang berjalan

- Energi Terbarukan Berbasis Mikro Hidro untuk Kehidupan Berkelanjutan pada Pengembangan Masyarakat Lokal di Provinsi Sulawesi Tengah, Indonesia, Penelitian kolaborasi antara UGM dan Pemerintah Selandia Baru, 2016 2018.
- Pelestarian Bangunan Warisan, didukung oleh Lembaga Konservasi Bangunan Warisan dari Provinsi Yogyakarta, Jawa Tengah Badan Konservasi Provinsi dan Borobudur.
- Pemanfaatan Limbah sebagai Bahan Konstruksi, pendanaan mandiri.

Sudarmoko

- Associate Profesor di bidang Beton, Kerusakan akibat kebakaran

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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia.
- M. Sc. : Civil Engineering, The University of Strathclyde, Glasgow, U.K.

Mata kuliah yang diampu

Program sarjana

- Konsep Teknik untuk Peradaban; Struktur Bangunan; Statika I; Struktur Beton Bertulang I 2016; Metodologi Penelitian, Penulisan, dan Kemampuan Presentasi, Kesehatan dan Keselamatan Kerja; Pemeliharaan Infrastruktur.

Organisasi

- HAKI (Himpunan Ahli Konstruksi Indonesia)

Toriq Arif Ghuzdewan

- Asisten Profesor di bidang Metode Kontruksi, Pengembangan Kontraktor.



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Riwayat Akademik

- Ir. : Teknik Sipil, Universitas Gadjah Mada, Indonesia.
- M. Sc. : Univ. of Southern California, USA

Mata kuliah yang diampu

Program sarjana

- Gambar Teknik; Struktur Bangunan; Pengenalan Manajemen Konstruksi; Perangkat Lunak pada Teknik Sipil II; Perencanaan dan Penjadwalan Proyek; Pemeliharaan Infrastruktur; Metode Kontruksi Gedung

Program pascasarjana

- Manajemen Infrastruktur.

Organisasi

- PII (Persatuan Insinyur Indonesia)

Dosen Transportasi

Achmad Munawar

- Profesor di bidang Manajemen Transportasi
- Kepala Laboratorium Transportasi (2016-2020)

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Riwayat Akademik

- Ir. : Universitas Gadjah Mada, Indonesia
- M. Sc. : University of Bradford, UK
- Ph.D : University of Bochum, Germany

Mata kuliah yang diampu

Program Sarjana

- Fisika Teknik Sipil; Pengenalan Teknik Transportasi; Teknik Lalu Lintas; Pengenalan Perencanaan Transportasi;

Program Pascasarjana

- Metodologi Penelitian Transportasi; Teori Arus Lalu Lintas

Organisasi

- HPJI atau IRDA (Indonesian Road Development Association)
- MTI (Indonesia Transport Society)
- FSTPT (Inter University Forum for Transportation Studies)
- PII (Indonesian Association of Engineer)
- EASTS (The Eastern Asia Society for Transport Student)

Publikasi Ilmiah

1. The Impact of Weather Variability on Individual Desire to use Public Transport in Yogyakarta (2017). *Jurnal Transportasi*
2. Penentuan Kapasitas Jalan Bebas Hambatan Dengan Aplikasi Perangkat Lunak Vissim (2017). *Jurnal Transportasi*
3. 3. The use of modified emoticon symbols for the designs of traffic warning signs (2017), *Journal of Engineering and Applied Sciences*
4. Analysis of urban Traffic Condition After a Period of The Publishing of Indonesian Highway Capacity Manual (IHCM)(2017). *Journal of Traffic and Transportation Engineering*
5. Calculation of base Capacity of A Road by Vissim Software Case Study : Affandi Street of Yogyakarta, Indonesia (2017). *Journal of Traffic and Transportation Engineering*
6. Renewing of Indonesia Highway Capacity Manual Urbanroad Segment with Traffic Microsimulation (2017). *International Journal of Engineering Research and Application*
7. Study of Key Factors Determinant Choice Of Rail-Based Mass Transit (2016) *Journal of Engineering Research and Application*

8. Development of Urban Road Capacity and Speed Estimation Methods in Indonesia (2016). *International Journal for Traffic and Transportation Engineering*
9. Model Simulasi Lalu Lintas Simpang Tak Bersinyal Dengan Program Vissim (Studi Kasus: Persimpangan Jl. Siliwangi- Jl. Jaksanaranata-Jl. Laswi, Kabupaten Bandung) (2016). *Prosiding Simposium Forum Studi Transportasi antar Perguruan Tinggi ke-20*
10. Evaluasi Penggunaan Manual Kapasitas Jalan Indonesia 1997 Untuk Analisis Simpang Tak Bersinyal (2017). *Simposium Forum Studi Transportasi antar Perguruan Tinggi ke-20*
11. Platoon Dispersion Modeling of Mixed Road Traffic to Optimize Signal Setting Over Arterial North Ring Road Link in Yogyakarta (2017). *15th ITS Asia Pacific Forum*
12. Development of Urban Road Capacity and Speed Estimation Methods in Indonesia (2017). *International Association of Engineers (IAENG) World Congress 2017*
13. Evaluation of transport networks as disaster evacuation routes (case study of flood disaster in Huamual sub-district, Maluku) (2017). *The 1st International Symposium on Transportation Studies in Developing Countries (ISTSDC)*
14. Smartway: A predictive model for traffic management decision (2017). 8th International Conference on Information Technology and Electrical Engineering: Empowering Technology for Better Future, ICITEE 2016
15. Pengkinian Manual Kapasitas Jalan Indonesia dengan Traffic Microsimulation (1. Ocky Soelistyo Pribadi) (2017). *The 18th FSTPT International Symposium*

Agus Taufik Mulyono

- Profesor di bidang Perkerasan Jalan, Teknik Transportasi

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Riwayat Akademik

- Ir. : Universitas Gadjah Mada, Indonesia
- MT : MSTT, Civil Engineering, Universitas Gadjah Mada, Indonesia
- Dr. : Universitas Diponegoro, Indonesia

Mata kuliah yang diampu

Program Sarjana

- Struktur Bangunan; Mekanika Pergerakan Tanah; Teknik Perkereta Apian; Kontruksi Perkerasan;

Program Pascasarjana

- Manajemen Proyek Infrastruktur Transportasi; Perencanaan Geometrik Jalan dan Evaluasi; Sistem Manajemen Perkerasan; Transportasi Barang; Desain dan Perencanaan Geometrik Jalan dan Jembatan; Manajemen Proyek Infrastruktur Transportasi; Metode Kontruksi dan Manajemen Alat Berat;

Organisasi

- APDJI (Asosiasi Pengembang Teknologi Preservasi dan Daur Ulang Jalan Indonesia)
- EASTS (The Eastern Asia Society for Transport Student)
- MASTAN (Masyarakat Standarisasi Indonesia)
- FSTPT (Inter University Forum for Transportation Studies)
- HPJI or IRDA (Indonesian Road Development Association)
- IABI (Experties Indonesia Airport)
- MTI (Indonesia Transport Society)
- PII (Indonesian Association of Engineer)

Publikasi Ilmiah

1. Akbardin, J., Parikesit, D., Riyanto, B., Mulyono, A.T., 2018. "The Influence of Highway Transportation Infrastructure Condition Toward Commodity Production Generation for the Resilience Needs at Regional Internal Zone", E3S Web of Conferences 31,07002
2. Akbardin, J., Parikesit, D., Mulyono, A.T., Riyanto, B., 2018. "The distribution system simulation model of each zone freight transportation movement based on unlimited the gravity model algorithm", Proceeding - 2017 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era,
3. Akbardin, J., Parikesit,D., B Riyanto, Mulyono,A.T., 2018. "Development of gravity theory application in the internalregional inter-zone commodity movement distribution with the

- origin zone movement generation boundary”, *Journal of Physics: Conference Series* 1013 (1), 012187
4. A Mulyono, DWP Ranto., 2018. “Analisis Perbandingan Jumlah Penjualan Produk Pertamina Dex Antara Sebelum Dengan Sesudah Adanya Mobil Tangki Pto (Power Take Off) Di Terminal BBM Rewulu Yogyakarta”., *Jurnal Bisnis, Manajemen, dan Akuntansi* 5 (1), 51-60
 5. Arief Setiawan, Latif Budi Suparma, Agus Taufik Mulyono., 2017. ”Indeks Gradasi Sebagai Parameter Untuk Menentukan Gradasi Agregat Beton Aspal”, *Jurnal Transportasi FSTPT* Vol. 17 No 1.
 6. Arief Setiawan, Latif Budi Suparma, Agus Taufik Mulyono., 2017. ”Modelling effect of aggregate gradation and bitumen content on marshall properties of asphalt concret”, *International Journal on Advanced Science, Engineering and Information Technology*, Vol 7 No. 2, Pages 359-365
 7. Arief Setiawan, Latif Budi Suparma, Agus Taufik Mulyono., 2017. “Developingthe elastic modulus measurement of asphalt concrete using the compressive strength test”, *AIP Conference Proceedings*, Vol. 1903 No. 1, Pages 050002
 8. Tisara Sita, Agus Taufik Mulyono., 2017. “Pengaruh Komponen Manajemen Konstruksi terhadap Capaian Mutu Pemeliharaan Preventif Perkerasan Lentur”, *Jurnal Transportasi*, Vol. 16 No. 2
 9. Konverman Berkat Zebua, Agus Taufik Mulyono., 2017. “Pengaruh Komponen Manajemen Konstruksi terhadap Capaian Mutu Pemeliharaan Preventif Perkerasan Kaku”, *Jurnal Transportasi*, Vol. 16 No. 2

Arumdyah Widiati

- Tenaga Pengajar dalam bidang Permodelan Transport

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Riwayat Akademik

- ST. : Teknik Sipil, Universitas Gadjah Mada, Indonesia
- M. Sc. : MSTT, Universitas Gadjah Mada, Indonesia

Mata kuliah yang diampu

Program Sarjana

- Road Geometric
- Design of Transportation Infrastructures
- Road Safety
- Traffic Engineering

Organisasi

- CIHT (The Chartered Institution of Highways & Transportation)
- FSTPT (Inter University Forum for Transportation Studies)

Publikasi Ilmiah

1. Widiati, A., Evdorides, H., 2016. "755 How could road safety funding be effective?", BMJ Journals.

Penelitian yang sedang berjalan

- Teknik Keselamatan Jalan
- Manajemen Keselamatan Jalan

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- Profesor di bidang Perencanaan Transportasi

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Riwayat Akademik

- Ir. : Universitas Gadjah Mada, Indonesia
- M. Sc. : The University of Leeds, UK
- Ph.D : Vienna University of Technology, Austria

Mata kuliah yang diampu

Program Sarjana

- Kewirausahaan dan Keterampilan Hidup; Teknik Perkereta Apian; Ekonomi Teknik

Program Pascasarjana

- Ekonomi Teknik; Interaksi Transportasi dan Tata Guna Lahan; Moda Transportasi Terintegrasi; Supply Chain Management; Public-Private Partnership

Organisasi

- MTI (Indonesia Transport Society)
- PII (Indonesian Association of Engineer)
- Asia Pacific Network in Transportation and Logistics Education and Research
- FSTPT (Inter University Forum for Transportation Studies)
- Fellow-Sustainable Transportation Action Network Asia-Pacific
- EASTS (The Eastern Asia Society for Transport Studies)

Publikasi Ilmiah

1. Widyastuti,D.T., Parikesit,D., Ikaputra., Wibisono,B.H., 2017. “Transforming Principle of ‘Diversity’ of World Rail-Transit Oriented Development Best Practices into Indonesia Rail Station Districts”, Advanced Science Letters.
2. Parikesit,D., Fahmiasari,H., 2017. “Container Shipping Network Efficiency omparison in Indonesia: Nusantara Pendulum and Sea Tollway”, Asian Journal of Shipping and Logistics.
3. Aulia,A.R., Parikesit,D., 2017. “Perencanaan Pemeliharaan Jalan Rel DAOP VII Yogyakarta”, Prosiding Simposium II University Network for Indonesia Infrastructure Development 2017.
4. Nugroho,B.A., Parikesit,D., 2017. “Redesain Fasilitas Kiss-And-Ride, ParkAnd-Ride,dan Parkir Pegawai (Studi Kasus : Stasiun Yogyakarta)”, Prosiding Simposiu II University Network for Indonesia Infrastructure Development 2017.
5. Catherine Wahyu Nws ; Parikesit,D., 2017. “Komponen Akseibilitas yang Mempengaruhi Pemanfaatan Jalan Tol Semarang - Solo oleh Kawasan Strategis di Sekitarnya”, Prosiding Simposium II University Network for Indonesia Infrastructure Development 2017.

6. Putra,M.D.S., Parikesit,D., 2017. “Rancangan Manajemen Lalu Lintas Kawasan Stasiun Tugu dengan Pembangunan Stasiun KA Bandara”, Prosiding Simposium II University Network for Indonesia Infrastructure Development 2017.
7. Indreswari,M., Parikesit,D., 2017. “Geometric Design of Rubber-Tire Automated People Mover System (APMS) Route Line and Track”, Prosiding Simposium II University Network for Indonesia Infrastructure Development 2017.
8. Widhasuna, N.Y., Parikesit,D., 2017. “Route Line and Track Design of Sk Train at Soekarno - Hatta International Airport, Indonesia “,Prosiding Simposium II University Network for Indonesia Infrastructure Development 2017.
9. Ardhan,A.P., Parikesit,D., 2017. “Desain Layout Stasiun Kereta Api Bandaryang Terintegrasi dengan Stasiun Tugu Yogyakarta”, Prosiding Simposium II University Network for Indonesia Infrastructure Development 2017.
10. Basalim,S., Parikesit,D., 2017. “Perdagangan Internasional dan Transportasi Barang Lintas Negara : Lesson Learned dari Negara-Negara Lain”, Prosiding Simposium II University Network for Indonesia Infrastructure Development 2017.
11. Parikesit,D., 2017. “Disruptive technology and improvement of mobility In Indonesian cities”, The 3rd International Conference on Science and Technology ICST 2017.
12. Widodo,K.H., Purwoto,H., Parikesit,D., 2017. “Issues and Challenges in The Urban Logistics Planning in Indonesia”, Proceeding The 10th International Conference on City Logistics.

Dewanti

- Associate dalam Bidang Teknik Lalu Lintas, Teknik Transportasi
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Riwayat Akademik

- Ir. : Universitas Gadjah Mada, Indonesia
- M. Sc. : Sistem dan Teknik Jalan Raya, ITB
- Dr. : Studi Kebijakan, Universitas Gadjah Mada, Indonesia

Mata kuliah yang diampu

Program Sarjana

- Fisika Teknik Sipil; Pengenalan Teknik Transportasi, Pengenalan Perencanaan Transportasi, Teknik Bandar Udara

Program Pascasarjana

- Perencanaan Transportasi dan Lingkungan; Metode Analisa; Manajemen Lalu Lintas; Manajemen Infrastruktur Transportasi; Perencanaan Infrastruktur Laut dan Udara;

Organisasi

- PII (Indonesian Association of Engineer)

Publikasi Ilmiah

1. Dewanti, 2017. "Multi-Year Program under Budget Constraints Using MultiCriteria Analysis", Journal of the Civil Engineering Forum.
2. Pintangra PERSADANTA, DEWANTI, 2017, "An Analysis of the Greater Jakarta Metropolitan Area Multi-Airport System", Journal of the Eastern Asia Society for Transportation Studies, online ISSN : 1881-1124, vol 12, page 632-651
3. Zeji MANDALA, Muhammad Sani ROYCHANSYAH, DEWANTI, 2017, "Scenarios Development of Energy Efficient City in Yogyakarta City Using TRANUS Modelling", Journal of the Eastern Asia Society for Transportation Studies, online ISSN : 1881-1124 vol 12, page 2170-2180

Penelitian yang sedang berjalan

- Penyusunan standar dan pemodelan angkutan umum perkotaan di indonesia

Djoko Murwono

- Asisten Profesor dalam bidang Analisis Arus Lalu Lintas, Pengendalian Lalu Lintas dan Monitoring, Keamanan Lalu Lintas.

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Riwayat Akademik

- Ir. : Civil Engineering, Universitas Gadjah Mada, Indonesia
- M. Sc. : Road Engineering, TU Delft, Belanda

Mata kuliah yang diampu

Program Sarjana

- Pengenalan Teknik Lingkungan; Pengenalan Teknik Transportasi; Teknik Perkereta Apian; Desain Perkerasan Jalan Raya; Teknik Bandar Udara.

Organisasi

- HPJI atau IRDA (Indonesian Road Development Association)
- MTI (Indonesia Transport Society)
- FSTPT (Inter University Forum for Transportation Studies)
- PII (Indonesian Association of Engineer)

Publikasi Ilmiah

1. Munawar,A., Sujono,J., Rahardjo,A.P., Murwono,D., Hamid,A.N., 2017. Evaluation of transport networks as disaster evacuation routes (case study of flood disaster in Huamual sub-district, Maluku)", Proceeding The 1st International Symposium on Transportation Studies in Developing Countries (ISTSDC).
2. Murwono,D., 2014. "Model terminal Penumpang tipe-A yang berwawasan bisnis dan lingkungan", Annual Engineering.
3. Muthohar,I., Murwono,D., 2012. "Mobilisasi Material Erupsi Merapi yang Berwawasan Lingkungan Melalui Optimalisasi Pemilihan Rute dan Kelaikan Infrastruktur Pendukungnya", Prosiding Faculty of Engineering Gadjah Mada University.

Imam Muthohar

- Asisten Profesor dalam bidang Perencanaan Transportasi, Kebijakan Transportasi, Ekonomi Transportasi, Teknik Perkereta Apian
- Sekretaris Program Magister Sistem dan Teknik Transportasi (2016-Present)

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Riwayat Akademik

- Ir. : Civil Engineering, Universitas Gadjah Mada, Indonesia
- M. T. : MSTT, Universitas Gadjah Mada, Indonesia
- Dr. Eng : Department of Urban and Environmental Engineering, Kyushu University, Japan

Mata kuliah yang diampu

Program Sarjana

- Statistik dan Probabilitas; Struktur Bangunan; Desain Geometrik Jalan Raya; Teknik Perkereta Apian

Program Pascasarjana

- Perencanaan Transportasi dan Lingkungan; Metode Analitik; Manajemen Lalu Lintas; Manajemen Infrastruktur Transportasi;

Organisasi

- MTI (Indonesia Transport Society)
- FSTPT (Inter University Forum for Transportation Studies)
- EASTS (The Eastern Asia Society for Transport Student)
- MASKA (Indonesia Railways Society)

Publikasi Ilmiah

1. Leinia,A.V., Muthohar,I., Irawan ,M.Z., 2017. “The Application Of RandomRegret Minimization On Commuter’s Mode Choice Behaviour : Model-Fit Comparisons With Rum-Modelling (Case : Comparison Between Matsuyama And Yogyakarta)”, International Symposium on Transportation Studies for Developing Countries (ISTSDC) 2017.
2. Rezika,W.Y., Muthohar,I., Irawan,M.Z., 2017. “Urban Railway Demand in Yogyakarta Using Bivariate Ordered Probit Model”, International Symposium on Transportation Studies for Developing Countries (ISTSDC) 2017.
3. Muthohar,I., Hardiansyah, Hartanto,B., Priyanto,S., 2017. “Preliminary Identification of Road Network Vulnerability Due to Expansion of Status of Mount Merapi Eruption-Impacted Areas in Yogyakarta Special Region”, International Conference of Applied Sciences on Engineering, Business , Linguistic and Information Technology (ICo-ASCNITech) 2017.

4. Hardiansyah, Muthohar,I., Priyanto,S., Suparma,L.B., 2017. “Effect of Merapi Disaster Evacuation on Road Network Performance in Yogyakarta Special Region”, International Conference on Science and Technology (ICST 2017).
5. Deendarlianto, Widyaparaga,A., Shopa,B.M., Budiman,A., Muthohar,I., Setiawan,I.C., Lindasista,A., Oka,K., 2017. “Scenarios analysis of energy mix for road transportation sector in Indonesia”, Renewable and Sustainable Energy Reviews Journal.
6. Irawan,M.Z., Muthohar,I., Belgiawan,P.F., Widyaparaga,A., Budiman,A., Shopa,B.M., Belgiawan ,P.F., 2017. “A Market Share Analysis for Hybrid Cars in Indonesia”, Case Studies on Transport Policy Journal.
7. Lumba,P., Muthohar,I., Priyanto,S., 2017. “Human Factors on Motorcyclists Accidents Severity: Analysis Using Bayesian Network”, International Journal of Engineering and Technology.
8. Ircham., Munawar,A., Muthohar,I., 2017. “Measuring Readiness of the City in Implementing Urban Rail-Based Mass Transit”, Jurnal Teknologi. Muthohar,I.,2017. “The Issues of Track Maintenance Management in Indonesia (Based on Study of the British Railways)”, Journal of the Civil Engineering Forum.
9. Muthohar,I., Malkhamah,S., 2016. “The Impact of Stability Factor of Train Operations to Railway Line Capacity”, Proceeding InAES 2016. Muthohar., 2016. “Analysis of Human Factor Toward Probability of Accident Severity on Motorcyclist”, Journal of Transportation Safety and Security.

Penelitian yang sedang berjalan

1. Analysis of Vulnerability of Road Networks to Natural Disasters in Yogyakarta, An International Research Collaboration with ITS - University of Leeds.
2. A Study of Track Access Charges Instrument to Support the Multi Operator Railways Concept in Indonesia.

Latif Budi Suparma

- Asosiasi Profesor dalam bidang Material Perkerasan, Manajemen Perkerasan Teknik Transportasi
- Direktur Program Magister Sistem dan Teknik Transportasi (2016-Present)

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Riwayat Akademik

- Ir. : Civil Engineering, Universitas Gadjah Mada, Indonesia
- M. Sc : University of Leeds, UK
- Dr : University of Leeds, UK

Mata kuliah yang diampu

Program Sarjana

- Desain Geometrik Jalan; Desain Perkerasan; Kontruksi Perkerasan;

Program Pascasarjana

- Perencanaan Infrastruktur Transportasi; Metodologi Penelitian Transportasi; Manajemen Infrastruktur Transportasi; Evaluasi dan Desain Perkerasan; Material Kontruksi Perkerasan; Sistem Manajemen Perkerasan; Desain Infrastruktur Transportasi Jalan dan Kereta Api; Sistem Manajemen Jalan Raya;

Organisasi

- HPJI or IRDA (Indonesian Road Development Association)
- PII (Indonesian Association of Engineer)
- EASTS (The Eastern Asia Society for Transport Student)

Publikasi Ilmiah

1. Da Costa, D.G.N., Malkhamah, S., Suparma, L.B., 2017. "The Use of Safety factor and Minimum Margin of Safety in Accident Risk Analysis", 2nd International Conference on Science and Technology ICST 2017.
2. Latif, D.O., Rifa'i, A., Suparma, L.B., 2017. "Influence of volcanic ash and lime on resilient modulus for subgrade", The 1st Warmadewa International Conference on Architecture and Civil Engineering "Sustainability Design and Culture".
3. Setiawan, A., Suparma, L.B., Mulyono, A.T., 2017. "Developing the elastic modulus measurement of asphalt concrete using the compressive strength test", American Institute of Physics (AIP) conference Proceedings of the 3rd International Conference on Construction and Building Engineering (ICONBUILD). November 2017. DOI: 10.1063/1.5011541.
4. Setiawan, A., Suparma, L.B., Mulyono, A.T., 2017. "Indeks Gradasi Sebagai Parameter Untuk Menentukan Gradasi Agregat Beton Aspal", Jurnal Transportasi FSTPT.

5. Setiawan,A., Suparma,L.B., Mulyono,A.T., 2017. “Modelling Effect of Aggregate Gradation and Bitumen Content on Marshall Properties of Asphalt Concrete”, International Journal on Advanced Science, Engineering and Information Technology (IJASEIT). Vol. 7. pp. 359-365. ISSN: 2088-5334.
6. Setiawan, A., Suparma, L.B., Mulyono, A.T., 2016. “The Effect of Aggregate Gradation On Tensile Strength Of Asphalt Concrete”, Proceedings of the 10th Asia Pacific Conference on Transportation and the Environment – In Conjunction With-- The 11th Malaysian Universities Transport Research Forum. Petaling Jaya, Malaysia; 8th – 10th November 2016. ISBN 978-96714669-1-9.
7. Setiawan,A., Suparma,L.B., Mulyono,A.T., 2016. “The Effect of Aggregate Gradation on Workability of Asphalt Concrete”, International Journal of Engineering and Technology (IJET). Vol. 8. pp. 1750-1757. ISSN: 0975-4024.
8. Da Costa, D.G.N., Malkhamah, S., Suparma, L.B., 2017. “The Development of Traffic Accident Risk Management Method”, Jurnal Warlitbanghub Vol.28 pp.388-388. ISSN: 0852-1824.
9. Hardiansyah, Muthohar,I., Priyanto,S., Suparma,L.B., 2016. “Konsep Pemodelan Transportasi untuk Evakuasi Bencana”, Jurnal Transportasi FSTPT.
10. Da Costa,D.G.N., Malkhamah,S., Suparma,L.B., 2016. “A Systematic Approach in Developing An Accident Risk Reduction Scheme”, Proceeding 6th International Annual Engineering Seminar (InAES-2016).

Penelitian yang sedang berjalan

- Accident Consequence Analysis due to Differences in Breaking Capabilities and Pevement Condition
- Speed management for improving traffic safety considering road condition, road user’s behaviours and environmental condition

M. Rizka Fahmi Amrozi

- Instruktur dalam Bidang Manajemen dan Teknik Transportasi

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Riwayat Akademik

- ST : Civil Engineering, Universitas Gadjah Mada, Indonesia
- M. Sc : MSTT, Universitas Gadjah Mada, Indonesia, sandwich program with Linkoping University, Sweden

Mata kuliah yang diampu

Program Sarjana

- Menggambar Teknik; Mekanika Pergerakan Tanah; Desain Perkerasan; Kontruksi Perkerasan; Perencanaan Infrastruktur Transportasi; Permodelan dan Perencanaan Transportasi;

Organisasi

- CIHT (The Chartered Institution of Highways & Transportation)
- FSTPT (Inter University Forum for Transportation Studies)

Publikasi Ilmiah

1. Amrozi, M.R.F. and Malkhamah, I.S., 2010. Requirement analysis for passenger information system and services in Indonesia railway station
2. Amrozi, M. R. F. 2018. Road Asset Management Strategies to Adapt with Climate Change in Developing Country. 2nd Annual SoE PGR Symposium, Birmingham. University of Birmingham.

Penelitian yang sedang berjalan

- Climate change
- Road asset management and engineering
- Road network accessibility and regional development

M. Zudhy Irawan

- Asisten Profesor dalam bidang Perilaku Perjalanan, Permodelan dan Perencanaan Transportasi
- Sekretaris Program S1 Teknik Sipil (2016-Sekarang)

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Riwayat Akademik

- Ir. : Civil Engineering, Universitas Gadjah Mada, Indonesia
- M.T. : MSTT, Civil Engineering, Universitas Gadjah Mada, Indonesia
- Dr. Eng. : Kyushu University, Japan

Mata kuliah yang diampu

Program Sarjana

- Pengenalan Teknik Transportasi; Pengenalan Perencanaan Transportasi; Teknik Lalu Lintas; Perencanaan Geometrik Jalan Raya; Aplikasi Software Teknik Sipil I (Hidrologi, Lingkungan, Teknik Transportasi); Manajemen Lalu Lintas

Program Pascasarjana

- Permodelan dan Perencanaan Transportasi; Manajemen Lalu Lintas; Transportasi Barang; Manajemen Transportasi Laut dan Udara.

Organisasi

- MTI (Indonesia Transport Society)
- MASKA (Indonesia Railway Society)
- FSTPT (Inter University Forum for Transportation Studies)
- EASTS (The Eastern Asia Society for Transport Student)
- WCTR (World Congress on Transport Research)

Publikasi Ilmiah

1. Irawan, M.Z., Belgiawan, P.F., Widyaparaga, A., Deendarlianto, Budiman, A., Muthohar, I, Sopha, B.M. 2017. A Market Share Analysis for Hybrid Cars in Indonesia, Case Studies on Transport Policy, In Press.
2. Irawan, M.Z., Putri, K.P., Belgiawan, P.F., Dwitasari, R., 2017. Analyzing Commuters' Behavior on Egress Trip from Railway Stations in Yogyakarta, Indonesia, The Open Transportation Journal, Vol. 11, pp.614-625.
3. Irawan, M.Z., and Wirza, E., 2015. Understanding the Effect of Online Shopping Behavior Travel Demand through Structural Equation Modeling, Journal of the Eastern Asia Society for Transportation Studies, Vol. 11, pp. 614-625

4. Irawan, M.Z., and Sumi, T., 2012. Motorcycle-based adolescents' travel behaviour during the school morning commute and the effect of intrahousehold interaction on departure time and mode choice, *Transportation Planning and Technology*, Vol. 35, pp. 263-279
5. Irawan, M.Z., and Sumi, T., 2011. Modeling departure time of students on public transports in Yogyakarta, Indonesia, *Modern Applied Science*, Vol. 5(4), pp. 310
6. Irawan, M.Z., Sumi, T., and Munawar, A., 2010. Implementation of the 1997 Indonesia Highway Capacity Manual (MKJI) Volume Delay Function, *Journal of the Eastern Asia Society for Transportation Studies*, Vol. 8, pp. 350-360

Penelitian yang sedang berjalan

- Comparison between RUM and RRM in modeling travel mode choice in Indonesia
- Using hybrid choice model in analyzing the ride sourcing mode choice in Yogyakarta
- Implementing cross nested logit model to analyze the motorcyclists' travel behavior in Yogyakarta

Sigit Priyanto

- Profesor dalam bidang Sistem dan Teknik Transportasi

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Riwayat Akademik

- Ir. : Civil Engineering, Universitas Gadjah Mada, Indonesia (1984)
- M.Sc. : Transport Engineering IHE/Delft Tech University, The Netherlands (1990)
- Ph.D. : Transport Engineering, University of Leeds, The United Kingdom (1994)

Mata kuliah yang diampu

Program Sarjana

- Konsep Teknik untuk Peradaban; Pengenalan Teknik Transportasi; Teknik Lalu Lintas; Pengenalan Perencanaan Transportasi; Metodologi Penelitian; Keterampilan Menulis dan Presentasi;

•

Program Pascasarjana

- Keamanan Jalan; Permodelan Perencanaan Transportasi; Perencanaan Transportasi Umum; Teori Arus Lalu Lintas; Transportasi Barang; Manajemen Transportasi Laut dan Udara.

Organisasi

- HPJI (Indonesian Road Development Association)
- FSTPT (Inter University Forum for Transportation Studies)
- EASTS (The Eastern Asia Society for Transport Student)
- DRN (National Research Council)

Publikasi Ilmiah

1. Saputra, A.D.S, Priyanto,S., Muthohar,I., 2018. "The Effects of Phases of Time on Pilot Mental Workload in Terms of the Differences Pilot Age", Journal of Medicine, Physiology and Biophysics. Vol.40. ISSN 2422-8427.
2. Saputra, A.D.S, Priyanto,S., Muthohar,I., 2018. "Phases Of Time, Mental Workload and Pilot Age; A Case Study: Indonesian Civilian Pilot," Songklanakarin Journal of Science Technology. Vol 40, No. 1 (Jan - Feb), pg. 47-52
3. Lumba, P., Priyanto,S., Muthohar,I., 2017. "Prediction for Probability of Fatigue-Related Accident in Motorcyclists", International Special Region", Proceeding International Conference on Science and Technology (ICST 2017). Conference on Science and Technology (ICST).
4. Hardiansyah., Priyanto,S., Muthohar,I., Suparna,L.,B., 2017. "Effect of Merapi Disaster Evacuation on Road Network Performance in Yogyakarta

5. Saputra,A.D.S., Priyanto,S., Muthohar,I., Bhinnety,M., 2017. “Pengaruh Kondisi Cuaca Penerbangan Terhadap Beban Kerja Mental Pilot”, Jurnal Transportasi. Vol. 15, No. 3.
6. Saputra,A.D.S., Priyanto,S., Muthohar,I., 2017. “The pilot mental workload in flight operation A case study: Indonesian civilian pilot”, Aceh International Journal of Science and Technology. Vol. 6, No. 1.
7. Hardiansyah., Priyanto,S., Muhohar,I., Suparma,L.B., 2016. “Konsep Pemodelan Transportasi Untuk Evakuasi Bencana”, Jurnal Transportasi FSTPT. Vol. 16 No. 3 (Desember). ISSN 1411-2442.
8. Kharizsa, A., Jopson, A., Priyanto,S., 2015. “Correlation Among Car Dependency, Social Status And Car Use In Jakarta”, Journal of the Civil Engineering Forum. Vol. 1, No. 1 (January).
10. Safitri, R., Sebhatu,S.P., Priyanto,S., 2015. “Integrated Transport System Toward Sustainable Travel Behavior For Work Commuting Travel From Bekasi To Jakarta”, Jurnal Transportasi. Vol. 15, No. 3.
11. Priyanto, S., 2009, “The Development of Rural Public Transport Routes: A Case Study In Bantul, Central Java”, International Journal of Environment and Sustainable Development. Vol.8, No.3/4, pg.286 – 299.

Penelitian yang sedang berjalan

- Traffic Safety for Children in Yogyakarta, 2017 – 2019, collaboration between UGM - Gachon University Korea, Funded by KOICA
- Urban Railway Development Of Yogyakarta City, 2015 – 2017, DIKTI Grant for International Research Collaboration

Siti Malkhamah

- Profesor dalam bidang Teknik Transportasi

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Riwayat Akademik

- Ir. : Civil Engineering, Universitas Gadjah Mada, Indonesia (1984)
- M.Sc. : Transport Planning and Engineering, Leeds University, United Kingdom
- Dr. : Transport Planning and Engineering, Leeds University, United Kingdom

Mata kuliah yang diampu

Program Sarjana

- Teknik Lalu Lintas; Pengenalan Perencanaan Transportasi; Perencanaan Geometrik Jalan; Teknik Perkereta Api; Manajemen Lalu Lintas; Keamanan Transportasi; Perencanaan Transportasi dan Lingkungan; Perencanaan Transportasi Umum;

Program Pascasarjana

- Perencanaan Transportasi dan Lingkungan; Metode Analitis; Keamanan Lalu Lintas; Perencanaan Transportasi Umum; Manajemen Transportasi Jalan dan Kereta Api.

Organisasi

- HPJI or IRDA (Indonesian Road Development Association)
- MTI (Indonesia Transport Society)
- FSTPT (Inter University Forum for Transportation Studies)
- PII (Indonesian Association of Engineer)
- EASTS (The Eastern Asia Society for Transport Student)
- Global Road Safety Partnership Indonesia
- MASKA (Indonesia Railway Society)

Publikasi Ilmiah

1. Narendra, A., Malkhamah, S., Sopha, B. M., 2017. "Distribution Pattern of Public Transport Passenger in Yogyakarta, Indonesia", AIP Conference Proceedings 1941.
2. Narendra, A., Malkhamah S., Sopha, B.M., Muthohar, I., Masruroh, N.A., 2015. "Trans Jogja Bus Passenger's Distribution on the UGM Campus, 4th Engineering International Conference.
3. Da Costa,D.G.N., Malkhamah,S., Suparma,L.B., 2016. "Motorcyclist Risk Taking Behavior", The 19 International Symposium of Indonesian Inter University Transport Studies Forum.
4. Da Costa,D.G.N., Malkhamah,S., Suparma,L.B., 2017. "The Development ofTraffic Accident Risk Management Method (Pengembangan Metode Pengelolaan Risiko Kecelakaan Lalu Lintas)", Jurnal Warlitbanghub.

5. Soelistyo,O., Munawar,A., Malkhamah,S., 2017. “Calculation of base Capacityof A Road by Vissim Software Case Study : Affandi Street of Yogyakarta, Indonesia”, Journal of Traffic and Transportation Engineering.
6. Soelistyo,O., Munawar,A., Malkhamah,S., 2017. “Analysis of urban Traffic Condition After a Period of The Publishing of Indonesian Highway Capacity Manual (IHCM)”, Journal of Traffic and Transportation Engineering.
7. Soelistyo,O., Munawar,A., Malkhamah,S., 2017. “Analysis of urban Traffic Condition After a Period of The Publishing of Indonesian Highway Capacity Manual (IHCM)”, Journal of Traffic and Transportation Engineering.
8. Soelistyo,O., Munawar,A., Malkhamah,S., 2017. “Analysis of urban Traffic Condition After a Period of The Publishing of Indonesian Highway Capacity Manual (IHCM)”, Journal of Traffic and Transportation Engineering.
9. Da Costa,D.G.N., Malkhamah,S., Suparma,L.B., 2017. “Systematic Approach in Developing An Accident Risk Reduction Scheme”, 6th International Annual Engineering Seminar.
10. Widyanto,U., Malkhamah,S., 2015. “Restructuring Indonesian Railway–Integration Or Separation”, Journal of the Civil Engineering Forum (JCEF).

Penelitian yang sedang berjalan

- Speed Management to Increase Road Safety by Considering Roads, Road Users and Environmental Condition
- Risk Analysis of Motorcycle Accidents Related to Speeds and Vehicle Deceleration Rates

Suryo Hapsoro Tri Utomo

- Profesor dalam bidang transportasi, Geotechnics

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Riwayat Akademik

- Ir. : Civil Engineering, Universitas Gadjah Mada, Indonesia
- Ph.D. : Newcastle upon Tyne University, UK

Mata kuliah yang diampu

Program Sarjana

- Konsep Teknik untuk Peradaban; Mekanika Pergerakan Tanah; Teknik Perkereta Apian; Percanaan Perkerasan; Penyelidikan Tanah; Kontruksi Perkerasan;

Program Pascasarjana

- Geoteknik

Organisasi

- HPJI or IRDA (Indonesian Road Development Association)
- MTI (Indonesia Transport Society)
- PII (Indonesian Association of Engineer)
- Indonesia Professor Association

Publikasi Ilmiah

1. Utomo, S. H. T., & Hapsoro, S. (2009). Jalan Rel. Yogyakarta: Beta Offset.
2. Utomo, S. H. T. (2003). Efektifitas Penggunaan Kapur Terhadap R-Value Lempung Semen. Media Teknik, 25(2003).
3. Utomo, S. H. T. (2001). Kajian Kondisi Perkerasan Jalan Arteri di Kabupaten Sleman Menggunakan Cara Pavement Condition Index. Media Teknik, 23(2001).

Taqia Rahman

- Dosen dalam Bidang Teknik Transportasi

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Riwayat Akademik

- ST : Civil Engineering, Universitas Gadjah Mada, Indonesia
- M.Sc. : MSTT, Universitas Gadjah Mada, Indonesia

Mata kuliah yang diampu

Program Sarjana

- *Fisika Dasar* / Fundamental of Physics (2016/2017)
- *Gambar Teknik* / Engineering Drawing (2016/2017)

Organisasi

FSTPT (Inter University Forum for Transportation Studies)

Publikasi Ilmiah

1. Book: “Airport: Introduction of Geometric Design of Runway, Taxiway and Apron” – Gadjah Mada University Press, 2016
2. “Evaluation of Bearing Capacity And PCN of North Runway Cakar Ayam System in Soekarno-Hatta International Airport Using Finite Element Modelling (Case Study: To Operate the B777-300ER Aircraft)” – Proceeding The 18th FSTPT International Symposium, UNILA, Bandar Lampung, August 28th, 2015

Penelitian yang sedang berjalan

- The possibility of the use of warm mix asphalt (WMA) for pavement rehabilitation.