

LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING

Judul Artikel : Numerical Simulations of The Bond Stress-Slip Effect of Reinforced Concrete on The Push Over Behavior of Interior Beam-Column Joint
 Jumlah Penulis : 2 orang
 Status Pengusul : Penulis pertama
 Identitas Prosiding :
 a. Judul Prosiding : 3rd Nommensen International Conference on Technology and Engineering (NICE)
 b. ISBN/ISSN : ISSN:1757-8981E-ISSN:1757-899X
 c. Thn. Terbit, Tempat : 2020, Medan
 d. Web Prosiding : <https://iopscience.iop.org/article/10.1088/1757-899X/725/1/012028/pdf>
 e. Terindex di : Scopus

Kategori Publikasi Jurnal Imiah (beri \surd pada kategori yang tepat) :
 Prosiding Internasional
 Prosiding Nasional
 Prosiding Terindex Scopus

I. Hasil Penilaian Validasi :

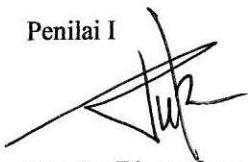
| No | Aspek | Uraian/Komentar Penilaian |
|----|-------------------|--|
| 1 | Indikasi Plagiasi | Hasil uji kemiripan menggunakan standar nasional) ternyata tidak Scopus. Sesuai bidang keilmuan. |
| 2 | Linieritas | Linier dengan bidang keilmuan teknik sipil |

II. Hasil Penilaian Peer Review :

| Komponen Yang Dinilai | Nilai Maksimal Prosiding (isi kolom yang sesuai) | | | Nilai Akhir Yang Diperoleh |
|--|--|--------------------|--------------------|----------------------------|
| | Prosiding Internasional | Prosiding Nasional | Prosiding Terindex | |
| Kelengkapan dan kesesuaian unsur isi prosiding (10%) | | | 2,5 | 2,3 |
| Ruang lingkup dan kedalaman pembahasan (30%) | | | 7,5 | 7,4 |
| Kecukupan dan kemutakhiran data/informasi dan metodologi (30%) | | | 7,5 | 7,5 |
| Kelengkapan unsur dan kualitas Penerbit (30%) | | | 7,5 | 7,5 |
| Total = (100%) | | | 25 | 24,7 |
| Kontribusi pengusul (60%) | | | | 14,82 |
| Komentar/ Ulasan Peer Review : | | | | |
| Kelengkapan kesesuaian unsur | kelengkapan kesesuaian unsur sudah sangat baik | | | |

| | |
|--|--|
| <p>Ruang lingkup dan kedalaman pembahasan</p> | <p>Ruang lingkup materi sesuai dengan keilmuan sipil dan kedalaman pembahasan sudah sangat baik</p> |
| <p>Kecukupan dan kemuatakhiran data/informasi dan metodologi</p> | <p>data/informasi yang digunakan sudah memadai dan metodologi menggunakan prinsip dalam kebenaran ilmiah</p> |
| <p>Kelengkapan unsur dan kualitas Penerbit</p> | <p>karya ilmiah ini telah di seminar di seminar Internasional Nansen yang ke-3 dan telah di terbitkan pada prosiding internasional terindeks Scopus.</p> |

Penilai I



Dr. Ir. Pinondang Simanjuntak, MT

NIDN : 0310116003
Unit kerja : Teknik Sipil Fakultas Teknik UKI
Bidang Ilmu : Teknik Sipil
Jabatan Akademik (KUM) : Lektor (200)
Pendidikan Terakhir : S-3

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 e. Terindex di : Scopus

Kategori Publikasi Jurnal Imiah (beri \checkmark pada kategori yang tepat) :
 Prosiding Internasional
 Prosiding Nasional
 Prosiding Terindex Scopus

I. Hasil Penilaian Validasi :

| No | Aspek | Uraian/Komentar Penilaian |
|----|-------------------|--|
| 1 | Indikasi Plagiasi | Uji kemiripan memenuhi ketentuan dan tidak ada plagiarisme |
| 2 | Linieritas | linier sesuai bidang Teknik Sipil |

II. Hasil Penilaian Peer Review :

| Komponen Yang Dinilai | Nilai Maksimal <i>Prosiding</i> (isi kolom yang sesuai) | | | Nilai Akhir Yang Diperoleh |
|--|---|---------------------------|---------------------------|----------------------------|
| | <i>Prosiding</i> Internasional | <i>Prosiding</i> Nasional | <i>Prosiding</i> Terindex | |
| Kelengkapan dan kesesuaian unsur isi <i>prosiding</i> (10%) | | | 2,5 | 2,3 |
| Ruang lingkup dan kedalaman pembahasan (30%) | | | 7,5 | 7,1 |
| Kecukupan dan kemutakhiran data/informasi dan metodologi (30%) | | | 7,5 | 7,2 |
| Kelengkapan unsur dan kualitas Penerbit (30%) | | | 7,5 | 7,3 |
| Total = (100%) | | | 25 | 23,9 |
| Kontribusi pengusul (60%) | | | | 14,34 |
| Komentar/ Ulasan <i>Peer Review</i> : | | | | |
| Kelengkapan kesesuaian unsur | Sudah lengkap dan sesuai penulisan karya ilmiah | | | |

| | |
|---|--|
| <p>Ruang lingkup dan kedalaman pembahasan</p> | <p>Ruang lingkup dan pembahasan cukup dalam dan sesuai topik penelitian</p> |
| <p>Kecukupan dan kemutakhiran data/informasi dan metodologi</p> | <p>Metodologi dan kemutakhiran data memenuhi artikel ilmiah</p> |
| <p>Kelengkapan unsur dan kualitas Penerbit</p> | <p>Kualitas penulisan baik dan memenuhi persyaratan publikasi karya ilmiah</p> |

Jakarta, 14 Februari 2022

Penilai II



Ir. Efendy Tambunan, Lic, rer, reg

NIDN : 0313026401

Unit kerja : Teknik Sipil Fakultas Teknik UKI

Bidang Ilmu : Teknik Sipil - Transportasi

Jabatan Akademik (KUM) : Lektor Kepala (400)

Pendidikan Terakhir : S-2

CURRICULUM VITAE

Name : Pinondang Simanjuntak Place,
 date of birth : Sigumpar 10 November 1960
 Gender : Male
 Marital Status : Married and have four children
 Religius : Christian Protestant
Office : Faculty of Engineering Universitas Kristen
 Indonesia
 : Jl. Mayjen Sutoyo Cawang Jakarta Timur 13630
 Telp./Fax. : (021) 8092425, 8009190, 8090311 / (021) 8093948
Home : Jl.Dewisartika 01/10 No 26 Cawang Jakarta Timur13630
 Telp./Fax. : (021) 80884370 (hp 08170719431)
 Alamat e-mail : pstak03@yahoo.com

EDUCATION

| YEAR | PROGRAM | UNIVERSITY | MAJOR |
|-------------|--|---|-----------------------------|
| 1980- 1987 | Sarjana | Universitas Kristen Indonesia | Civil Engineering |
| 1993 - 1995 | Magister | Universitas Indonesia | Structure Civil Engineering |
| 2005– 2006 | Preparing PhD Research (Under Supervision of Prof David Thambiratman) | Queensland University of Technology Australia | Structure Civil Engineering |
| 2016-2019 | Doktor | Universitas Negeri Jakarta | Education Management |

POSITION at THE UNIVERSITY

| YEARS | POSITION | UNIT |
|-------------|------------------------------|---|
| 1990 - 1993 | Secretary | Civil Department Faculty of Engineering of UKI |
| 1996 - 2000 | Vice dean of student affairs | Engineering Faculty of UKI |
| 2003 - 2010 | Had of Research Center | Earthuake Research Center of Civil Department Faculty of Engineering of UKI |
| 2003 - 2005 | Vice dean of student affairs | Engineering Faculty of UKI |
| 2010 – Now | Had of Research Center | Disaster studies Research Center of Civil Department Faculty of Engineering of UKI |
| 2010 – Now | Head of Laboratory | Concrete and Materials Laboratory of Civil Department Faculty of Engineering of UKI |

TEACHING at THE UNIVERSITY

| SUBJECT | CLASS PROGRAM | INSTITUTION | YEAR |
|--|---------------|--|-----------------|
| Reinforced Concrete Design | Sarjana | Civil Department Faculty of Engineering of UKI | 1994 – 2010 |
| Earthquake Engineering Design | Sarjana | Civil Department Faculty of Engineering of UKI | 1994 – Now |
| Static Structure Engineering Design | Sarjana | Civil Department Faculty of Engineering of UKI | 1994 – Now |
| Design of Structure of High Rise Building | Sarjana | Civil Department Faculty of Engineering of UKI | 2018 – Now |
| Manajemen Konstruksi dan Hukum Pembangunan | Sarjana | Prodi Teknik Sipil | 2019 - Sekarang |

RESEARCH ACTIVITIES

| YEAR | RESEARCH TITLE | PARTICIPATION |
|------------|---|---------------|
| 2006 | Evaluation of Toyo Seal Factory Building Damaged Caused by Vibration and soil settlement | Researcher |
| 2007 | Type of Building Damage by Jogja Earthquake 27 May 2006 | Researcher |
| 2008 | Fracture Type of GKPM Building in Mentawai Caused Bengkulu Earthquake 12 September 2007 | Researcher |
| 2009 | The Characteristic of HKBP Building damage in Padang Caused by West Sumatran Earthquake 30 Sept 2009 | Researcher |
| 2010 -2011 | Dynamic Analysis of Type of “rumah Pertemuan Klaten” Damage by Jogja Earthquake 27 May 2006 | Researcher |
| 2012 | Response Seismic Analysis of “UMA” Traditional house of Mentawai | Researcher |
| 2013 | Pengujian Kuat Tekan Beton maksimum dan campuran optimum abu bakaran Kulit Tebu | Researcher |
| 2014 | Kajian awal respon borsorbs struktur rumah tradisional mentawai tahan gempa | Researcher |
| 2015 | Kajian awal respon borsorbs komponen struktur balok rumah sederhana tahan gempa | Researcher |
| 2016 | Hubungan kuat tekan dan nilai borsorbs optimum pada beton campuran calcium carbonate dan calcium stearate | Researcher |

| | | |
|-----------|--|----------------------------|
| 2017 | Evaluasi kerusakan bangunan akibat gempa di Indonesia | Researcher |
| 2018 | Analisa Perbandingan perilaku Seismik Bangunan tidak beraturan Vertikal | Researcher |
| 2019 | Analisa Perilaku Seismik Bangunan Universitas Terbuka Palu akibat Gempa Sulteng 28 September 2018 | Researcher |
| 2018 | Penelitian Bangunan Rumah conwood Tahan Gempa Tipe 27 untuk daerah Lombok | Team Leader and Researcher |
| 2019 | Penelitian Bangunan Rumah conwood Tahan Gempa Tipe 36 untuk daerah Palu | Team Leader and Researcher |
| 2018-2019 | The effect of Transformational Leadership, Learning Organiation and Decision making Lectural Poessional Commitment in Christian University of Indonesia | Researcher |
| 2020 | Pengaruh Kepemimpinan Transformasional Teknologi Digital dan Keragaman Budaya Kerja Terhadap Efektifitas Tim kerja Pelaksana Proyek | Researcher |
| 2021 | ANALISIS DAN PENERAPAN METODE LINE OF BALANCE PADA PROYEK REPETITIF | Anggota |
| 2021 | Analisis KAPASITAS TERMINAL PETIKEMAS PELABUHAN TENAU KUPANG sebagai | Anggota |
| 2021 | Evaluation of the performance of high-rise building structures with plan 'H' shaped for earthquake with height increase (Case study: Apartment Urban Sky-Bekasi) | Anggota |
| 2021 | ANALISIS DAN PENERAPAN METODE LINE OF BALANCE PADA PROYEK REPETITIF | Anggota |
| 2021 | PERBANDINGAN RESPON SEISMIK BALOK KAYU BIASA DENGAN KOMPOSIT BAJA RINGAN SEBAGAI KOMPONEN STRUKTUR RUMAH TAHAN GEMPA DI JURNAL CENTECH EDISI APRIL 2021 | Anggota |
| 2021 | Pembenahan Lingkungan dan Pembuatan Bangunan yang Sehat, Kuat dan Nyaman di RW 10 Kelurahan Cawang | Ketua |

CONFERENCE / SEMINAR / SIMPOSIUM

| YEAR | NAME OF ACTIVITIES | ORGANIZER | POSITION |
|------|--|---|-------------|
| 1987 | Indonesia Earthquake Engineering Simposium | Civil Department Faculty of Engineering Christian University of Indonesia | Organizer |
| 1988 | Diskusi Geoteknik Indonesia | Civil Department Faculty of Engineering Christian University of Indonesia | Organizer |
| 1990 | “Ground Improvement II : Mechanically Stabilized Earth and Its Application “ Seminar | Faculty of Engineering of UKI & HAITI | Participant |
| 1994 | “Application of Wave Equation and Dynamic Testing in Pile Foundation Practice” Seminar | UKI & ASCE International Group in Indonesia | Participant |
| 2000 | Discussion on “Christian Leadership” | Yayasan UKI | Participant |

| | | | |
|------|--|---|------------------|
| 2001 | "The Advancement of Enviromental Issues and Higher Education" One day Seminar | Faculty of Engineering ofUKI | Organizer |
| 2002 | International Symposium : "Regional, City and Building Planning in Globalization and Autonomy Era" | Faculty of Architecture ofUKI dan Univ. Karlsruhe,Germany | Participant |
| 2002 | "Perkembangan Terkini Perencanaan Beton Bertulang" National Seminar | Institut Sepuluh Nopember Surabaya. | Participant |
| 2002 | Basic Concept of Finite Elemen Seminar | Civil Department Faculty of Engineering University of Indonesia | Participant |
| 2003 | "Anticipation of Globalization in case of Structural Design" Short Seminar | Univ. Kristen Indonesia & Depkimpraswil | Organizer Leader |
| 2006 | Construction Controlling Through construction management and supervision | Pemda Kabupaten Musi Rawas Propinsi Sumsel | Speaker |
| 2006 | "Multi Perspective of Earthquake Phenomenon" Earthquake Management and Tsunami Seminar | Universitas Kristen Satya Wacana Salatiga Indonesia | Speaker |
| 2006 | Type of Building Damage byJogja Earthquake 27 May 2006 | Civil Department Faculty of Engineering Christian University of Indonesia | Speaker |
| 2007 | Survey Result of Building in Mentawai Because Bengkulu Earthquake 12 September 2007 | Civil Department Faculty of Engineering Christian University of Indonesia | Speaker |
| 2007 | An Earthquake Proof House building concept | Civil Department Faculty of Engineering Christian University of Indonesia | Speaker |
| 2007 | "Inovation of Sustainable Cement Apilcation in Construction building" Seminar | Civil Department Faculty of Engineering Christian University of Indonesia | Speaker |
| 2008 | Earthquake proof house making training and Mentawai Province Technician | Sinode GKPM dan Pemda Kab. Mentawai | Speaker |
| 2009 | The Characteristic of Building damage in Padang Caused by West Sumatran Earthquake 30 Sept 2009 | Civil Department Faculty of Engineering Christian University of Indonesia | Speaker |
| 2009 | The Construction of Earthquake proof House in Indonesia | Civil Department Faculty of Engineering Christian University of Indonesia | Speaker |
| 2009 | Learning from The case of damaged building caused by westSumatran earthquake 30 Sept 2009 | Civil Department Faculty of Engineering Christian University of Indonesia | Speaker |
| 2017 | Perkembangan dan Tantangan dunia Teknik Sipil saat ini | Alumni of Civil Department Faculty of Engineering Christian University of Indonesia | Speaker |
| 2018 | Beberpa masalah Konstruksi dari Hasil Survey Gempa Sulteng 28 September 2018 | Civil Department Faculty of Engineering Christian University of Indonesia | Speaker |
| 2018 | The effect of Transformational Leadership, Learning Organiation and Decision making Lectural | International conference on interdisciplinary global applied research (icigar- | Speaker |

| | | | |
|------|--|--|---------|
| | Poessional Commitment in Christian University of Indonesia | 2018) Hotel Santika Bsd City –Serpong, Tangerang, Jakarta, Indonesia from 17 th to 18 th November2018. | |
| 2020 | FT UKI Webinar: Covid-19 : Will permanently change life style ? | Jakarta Indonesia 9 Mei2020 | Speaker |
| 2020 | FT UKI Webinar : New era of civil engineering driven by covid-19 | Jakarta Indonesia 20 Mei 2020 | Speaker |
| 2020 | FT UKI General Lecture : Peluang dan Tantangan Industri 4.0 | Jakarta Indonesia 22 September 2020 | Speaker |
| 2020 | LPJK Webinar : Tantangan penerapan teknologi digital pada industri konstruksi Indonesia dimasa depan | Jakarta Indonesia 09 Oktober 2020 | Speaker |
| 2020 | UKI International Webinar : The Influence of Transformational Leadership, Digital Technology and Work Culture Diversity on the Effectiveness of the Construction Implementation Team | Jakarta Indonesia 28 Oktober 2020 | Speaker |

PERSONAL TRAINING

| YEAR | NAME OF TRAINING | INSTITUTION | DURATION |
|------|---|-------------------------------|-----------|
| 1988 | Th 8 th International advance Course on Seismology and Earthquake EngineeringFor Building Engineers. | Departemen PU – JICA | 5 Weeks |
| 1988 | Training Efective Speaking and Personal Management | Desindo Media – Dale Carnegie | 3 Mounths |
| 1989 | Training Leadership and Motivation | LPPM | 2 Days |
| 1994 | Training of Finite Elemen Method application of GT Strudl Program | FT UI | 1 Day |
| 2000 | Earthquake Resistant Design Building Course, Indonesia | Departemen PU | 2 Days |
| 2007 | Training Leadership Creativity | UKI | 1 Days |
| 2009 | Training “Change Management and Team Working” | Ikatan Alumni UKI | 3 Days |
| 2018 | Training of Trainer for Civil Engineer Expertise | Dirjen Bina Konstruksi PUPR | 3 days |
| 2018 | Training of High Rise Building construction method | Dirjen Bina Konstruksi PUPR | 3 days |
| 2020 | Training of Aplication BIM for DesignBuilding | PUPR % PT Glodon | 3 days |
| 2021 | Pelatihan Persamaan Perepsi Aasesor BKD LLDIKTI III - UKI Jakarta | LLDIKTI III - UKI | 1 hari |
| 2021 | Webinar Kiat menjadi Peer Reviewer Jabatan Akademik | UKI-LLDIKTI III | 1 hari |
| 2022 | Pelatihan Asesor Kompetensi Profesi | ATAKI- BNSP | 4 hari |

BUILDING DAMAGE ASSESMENT CAUSED BY EARTHQUAKE

| YEAR | PROJECT | LOCATION |
|------|--|------------|
| 1987 | Assessment of Building damaged Caused by TarutungEarthquake 1987 | Tarutung |
| 1988 | Preliminary observe of BRI Building Damage caused by Manado Earthquake 1988 | Manado |
| 2004 | Building Damage assesment on Nias Region caused by Nias Earthquake 2004 | Nias |
| 2005 | Building Damage assesment on Klaten caused by Jogyakarta Earthquake 2005 | Jogyakarta |
| 2007 | Building Damage Assesment on Mentawai Caused by Bengkulu Earthquake 2007 | Mentawai |
| 2009 | Building Damage Assesment on Padang City Caused by Sumbar Earthquake 2009 | Padang |
| 2009 | Preliminary assesment on Aston Apartment Building Damage Caused by Tasikmalaya Earthquake 2009 Jakarta | Jakarta |
| 2018 | Preliminary assesment on HKBP Palu Building Damage Caused by Palu Earthquake 2009 Jakarta | Jakarta |

PROJECT DESIGN AND CONSTRUCTION

| YEAR | PROJECT | POSITION | LOCATION |
|------|--|--------------------|------------------|
| 2005 | Construction Building of Head Administrator office "Bandara SoekarnoHatta" 8 Floors | Consultant Advisor | Cengkareng |
| 2005 | Preliminary Assessment and Reconstruction of 6 Church Building at Nias Caused by Earthquake 6 Floors | Consultant Advisor | Nias |
| 2005 | Preliminary Assessment and advice reconstruction of STIE Building Causedby Earthquake 6 Floors | Assessor | Jogyakarta |
| 2006 | Assessment and Reconstruction of Toyo Seal Factory Building Damaged Caused by Vibration and soil settlement | Consultant Advisor | Cikarang |
| 2007 | Assessment and Reconstruction of Mentawai District Government office caused by Earthquake Damaged and Retrofit Construction 3 Floors | Consultant Advisor | Mentawai |
| 2007 | Assessment and Reconstruction of 7 Church Building at Mentawai District caused by Earthquake Damaged and Retrofit Construction | Consultant Advisor | Sikakap Mentawai |

| | | | |
|------------|--|--------------------|-------------|
| 2009 | Assessment and Reconstruction of PTMulya Factory caused by Earthquake Damaged and 4 Floors | Consultant Advisor | Padang |
| 2009 | Assessment of NiAS Students Dormitory Building District caused by Earthquake Damaged 4 floors | Consultant Advisor | Padang |
| 2009 | Assessment and Rebuild Construction of HKBP Padang Church caused by Earthquake Damaged | Consultant Advisor | Padang |
| 2011 | Development of Border Special Houses in Kab. Southeast West Maluku (RUSUPTS11-07) | Consultant Advicer | Maluku |
| 2012 | Devlopment of "Handling Area-Based Slum Housing and Settlement Environment in Palembang II" (DK-PKPLP2K-BK 13) | Consultant Advicer | Palembang |
| 2014 | LPP TVRI Rehabilitation of Auditory | Consultant Advicer | Jakarta |
| 2010 -2013 | Design and Construction Building of Faculty of Medical UKI 11 Floors | Dir/Team Leader | Jakarta |
| 2014 | Developmen of Handling of Area-Based Slum Settlement Housing Environment in Indramayu Regency (DK-PKPLP2K-BK 50) | Consultant Advicer | Indramayu |
| 2015 | Renovation and expansion of the Cimanggis archive Building | Consultant Advicer | Cimanggis |
| 2010 -2013 | Design and Construction Building of Faculty of Medical UKI 11 Floors | Dir/Team Leader | Jakarta |
| 2014- 2016 | Design Building of Hospital Christian University of Indonesia UKI 13 Floors | Dir/Team Leader | Jakarta |
| 2017 | Construction Lift Building of Hospital Christian University of Indonesia UKI 5 Floors | Dir/Team Leader | Jakarta |
| 2018 | Construction Hydrant pipe of Building of Hospital Christian University of Indonesia UKI | Dir/Team Leader | Jakarta |
| 2019 | Konstruksi Revitalisasi Laboatorium Proteksi Fisik Batan | Team Leader | Serpong |
| 2019 | Pelaksanaan Konstruksi Bangunan Pembibitan pohon Dinas KPKP DKI Jakarta. | Team Leader | Ciganjur |
| 2020 | Rehab Kantor Koramil dn Ruang Siaga Makodim 0707/Wonosobo | Team Leader | Jawa Tengah |

PROFESSION ORGANISATION

| YEAR | ORGANIATION | PARTICIPATION |
|------|---|---------------|
| 1988 | Indonesia Construction expert Association | Member |
| 2007 | Indonesia Civil Engineering Association | Member |
| 2015 | AKPELINDO | Anggota |
| 2020 | ATAKI | Anggota |

PROFESSION CERTIFICATION

| APPLICABLE YEAR | EXPERT CLASSIFICATION | QUALIFICATION |
|------------------|--|---------------|
| 10 Juli 2021 | Building Engineering Expertise | Madya |
| 10 Juli 2021 | Experience of Quality Manajemen System | Madya |
| 28 Desember 2024 | Ahli Manajemen Konstruksi | Madya |

Jakarta, 2 Februari 2022



Dr. Ir. Pinondang Simanjuntak, MT

BIODATA

A. Identitas Diri

| | | |
|-----|-----------------------------|--|
| 1. | Nama Lengkap | Ir. Efendy Tambunan, Lic.rer.reg. |
| 2. | Jenis Kelamin | Pria |
| 3. | Tempat dan Tanggal Lahir | Tarutung, 13 Februari 1964 |
| 4. | Email | efendy.tambunan@gmail.com |
| 5. | Pekerjaan | Dosen Teknik Sipil FT UKI |
| 6. | Nomor Telepon/HP | 0813 1044 7927 |
| 7. | Nama Institusi Tempat Kerja | Prodi Teknik Sipil-Universitas Kristen Indonesia |
| 8. | Alamat Kantor | Jl. Mayjend Sutoyo No. 9, Cawang, Jakarta Timur |
| 9. | No Telp Kantor | 021-8092425 |
| 10. | Bidang Keahlian | Teknik Sipil bidang Transportasi & Perencana Wilayah |

B. Pendidikan

| | |
|------------------|---|
| Perguruan Tinggi | Teknik Geodesi (S1), Institut Teknologi Bandung (ITB) |
| Bidang Ilmu | Perencanaan Wilayah dan Transportasi Institute for Reginal Science (S2), Karlsruhe Institute of Technology (KIT) |

C. Mata Kuliah yang diampu

| No | Mata Kuliah yang diampu | Program Studi | Tahun |
|----|---|---------------------|-------------------|
| 1 | Rekayasa Transportasi (Sistem Transportasi, Bandara, Pelabuhan, KA) | Teknik Sipil (S1) | 2010 s/d sekarang |
| 2 | Rekayasa Lalu Lintas | Teknik Sipil (S1) | 2010 s/d sekarang |
| 3 | Statistika & Probabilitas | Teknik Sipil (S1) | 2010 s/d sekarang |
| 4 | Metodologi Penelitian dan Penulisan | Teknik Sipil (S1) | 2010 s/d sekarang |
| 5 | Geographic Information System (GIS) | Magister Arsitektur | 2020 s/d sekarang |

D. Kegiatan Profesional

| No | Jenis Kegiatan | Tahun | Posisi dlm Kegiatan | Keterangan |
|----|---|-------|---------------------|-------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Pelatihan pengukuran dan penentuan volume batubara di dalam tanah untuk karyawan pertambangan di Bengkulu | 1993 | Trainer | PT. Bukit Sunur |
| 2 | Pelatihan Penyusunan Biaya Proyek bantuan dalam dan luar negeri pada Dinas Pekerjaan Umum Timor Timur (Timor Leste) | 1996 | Trainer | Dinas PU Timor Timur (Timor Lester) |
| 3 | Konsultasi Penentuan Lokasi Pasar Pendukung di Bodetabek untuk mendukung pasar di Jakarta | 2010 | Tenaga Ahli | Pemprov DKI |

| | | | | |
|---|--|------|-------------------------|---|
| 4 | Konsultasi Perencanaan jaringan jalan di Kabupaten Kutai Timur | 2012 | Tenaga Ahli | Pemda Kutim |
| 5 | Konsultasi Perencanaan Jaringan Jalan berbasis GIS di Kabupaten Kepulauan Mentawai, Sumbar | 2014 | Tenaga Ahli | Pemda Mentawai |
| 6 | Konsultasi Penyebab rusaknya jaringan jalan di wilayah DKI | 2014 | Tenaga Ahli | Pemprov DKI Jakarta |
| 7 | Penulisan Buku Panduan Survey Pengukuran Geometrik Jalan pada Diklat PUPR | 2017 | Tenaga Ahli | Diklat PUPR |
| 8 | Proyek PTSL BPN untuk sertifikasi tanah di wilayah Tanjung Priok | 2019 | General Project Manager | Badan Pertanahan Nasional (BPN) Jakarta Utara |

E. Pengalaman Penelitian

| No | Tahun | Judul Penelitian |
|----|-------|---|
| 1 | 2010 | Problem and Solution of Roadway at Remote Areas in East Kalimantan |
| 2 | 2012 | Aksesibilitas Sepeda Motor di DKI Jakarta. |
| 3 | 2012 | Sepeda Motor sebagai Alternatif Moda untuk Kommuter di DKI Jakarta |
| 4 | 2014 | Dampak Degradasi Lingkungan terhadap Transportasi Sungai di Mahakam |
| 5 | 2017 | Sea level rise impact on Eastern Coast of North Sumatera, Indonesia |
| 6 | 2018 | <u>Studi Pemanfaatan Drone sebagai Alternatif Moda Transportasi Logistik di Indonesia</u> |
| 7 | 2020 | Studi Penentuan Kualitas Pelayanan KA Commuter Line, Studi Kasus: Parungpanjang-Tanah Abang |
| 8 | 2020 | Studi Perbandingan Kualitas Pelayanan pada MRT dan Bus TransJakarta Rute Blok M – Dukuh Atas 1 |
| 9 | 2021 | Analisis Persepsi Warga DKI Jakarta terhadap Pelayanan Transportasi Barang Berbasis Online di Masa Pandemi Covid-19 |
| 10 | 2021 | Menentukan Kapasitas Terminal Petikemas Pelabuhan Tenau Kupang. |

F. Pengalaman Penulisan Artikel Ilmiah Dalam Jurnal

| No | Judul Artikel Ilmiah | Volume/No/Tahun | Nama Jurnal |
|----|--|----------------------|---|
| 1 | Reducing Emissions Vehicle in Jakarta by Infrastructure Approach, Jurnal EMAS, ISSN 0853-9723, Vol. 17, No. 17, November 2007, Halaman 349-358, SK Terakreditasi Dirjen Dikti No. 39/Dikti/Kep/2004, Tanggal 9 Mei 2004. | Vol. 17, No. 17/2004 | Jurnal Sains dan Teknologi, EMAS |
| 2 | Reducing Emissions of Vehicles in Jakarta by Infrastructure Approach | Vol. 25, No. 25/2007 | Jurnal Sains dan Teknologi, EMAS |
| 3 | An Analytical Study of Intermodal Transport of Motorcycle-Public Bus | Vol. 29, No. 29/2008 | Jurnal Sains dan Teknologi, EMAS |
| 4 | Analisis Kualitas Pelayanan KA Commuter Line Parungpanjang-Tanah Abang | Vol. 1 No. 1/2020 | Jurnal Rekayasa Teknik Sipil dan Lingkungan, Centech, http://ejournal.uki.ac.id |
| 5 | Analisis Kualitas Pelayanan pada MRT dan Bus TransJakarta Rute Blok M – Dukuh Atas 1 | Vol. 1 No. 2/2020 | Jurnal Rekayasa Teknik Sipil dan Lingkungan, Centech, http://ejournal.uki.ac.id |
| 6 | Persepsi Warga DKI Jakarta terhadap Pelayanan Transportasi Barang Berbasis Online di Masa Pandemi Covid-19 | Vol. 2 No. 1/2021 | Jurnal Rekayasa Teknik Sipil dan Lingkungan, Centech, http://ejournal.uki.ac.id |
| 7 | Analisis Kapasitas Terminal Petikemas Pelabuhan Tenau Kupang. | Vol. 2 No. 2/2021 | Jurnal Rekayasa Teknik Sipil dan Lingkungan, Centech, http://ejournal.uki.ac.id |
| 8 | Analisis Faktor-Faktor yang Mempengaruhi Keinginan Pesepeda Menggunakan Jalur Sepeda di Jalan Pemuda Jakarta Timur. | Vol. 2 No. 2/2021 | Jurnal Rekayasa Teknik Sipil dan Lingkungan, Centech, http://ejournal.uki.ac.id |
| 9 | Analisis Banjir di Jalan Kebon Kelapa Kecamatan Tambun Selatan, Kabupaten Bekasi. | Vol. 2 No. 2/2021 | Jurnal Rekayasa Teknik Sipil dan Lingkungan, Centech, http://ejournal.uki.ac.id |

G. Pengalaman Penyampaian Karya Ilmiah Secara Oral Pada Pertemuan / Seminar Ilmiah

| No | Nama Pertemuan Ilmiah/Seminar | Judul Artikel Ilmiah | Waktu dan Tempat |
|----|---|---|--|
| 1 | Seminar Jurnal Sains & Teknologi EMAS | Energy Conservation | 13 September 2006, Kampus UKI Jakarta |
| 2 | Seminar Jurnal Sains & Teknologi EMAS | Reducing Emissions of Vehicle by Infrastructure Approach | 1 Juli 2008, Kampus UKI, Jakarta |
| 3 | Seminar Pola Mobilitas Kommuter Antarmoda di Jadedabek | Transpottasi antarmoda | 14 Januari 2009, Kampus UKI, Jakarta |
| 4 | Kuliah Umum "Sistem Informasi yang Intelijen" 04 September 2009, | Sistem Intformasi berbasis Intellijen | 04 September 2009, Fakultas Teknik UKI |
| 5 | International Seminar "Sustainable Management of Water and Land Resources II" , UKI-DAAD-Uni. Karlsruhe-Uni. | Analisis Transportasi Sungai di Hulu Sungai Mahakam | 6-8 Oktober 2009, Palangkaraya |
| 6 | Seminar Nasional Teknik Sipil VI-2010, ITS, Surabaya, 27 Januari 2010. | Analisis Angkutan Barang Hulu Sungai Mahakam | 27 Januari 2010 |
| 7 | International Symposium "The Role of Transportation Researches and Policies to Deal with Inefficiency, Injustice, Workshop " | Impact of Sedimentation of the Mahakam River on River Transportation | 14 November 2009, Uni Petra Surabaya |
| 8 | International Conference on "Sustainable Built Environment (icsbe)" Jogjakarta, 27-29 May 2010. | Problem and Challenge of River as Waterways in East Kalimantan | 27-29 Mei 2010, UII Yogyakarta |
| 9 | Konferensi Nasional Teknik Sipil 4 (KoNTekS 4) | Problem and Solution of Roadway at Remote Area in East Kalimantan | 2010, Medan |
| 10 | Kuliah Umum Bidang Transportasi di Prodi Teknik Sipil Uni Palangkaraya, Palangkaraya, 28 September 2010. | Analisis Pelayanan Bus TransJakarta | 28 September 2010, Uni. Palangkaraya |
| 11 | The 15th FSTPT International Symposium on "Enhancing Transportation Research and Technology to Improve the Performance of Freight Transportation and Logistics" Bekasi 23 November 2012 | Level of Service of The Jakarta Road Network | 23 November 2012, STTD Bekasi |
| 12 | Seminar Karya Ilmiah Dosen UKI dalam Rangka Dies Natalis ke-60 Tahun UKI. | Analysis of Waterway and Roadway in Remote Areas | 18 Oktober 2013, Kampus UKI Jakarta |
| 13 | The 17th FSTPT International Symposium, 2014 | <u>Dampak degradasi lingkungan terhadap transportasi sungai Mahakam</u> | 23 Agustus 2014, Jember |

| | | | |
|----|---|--|---------------|
| 14 | The 1st International Conference on Sustainable Architecture and Engineering/ IOP Conference Series: Earth and Environmental Science. | Effect of side frictions on level of service of DI Panjaitan street in Cawang - East Jakarta | 2021 |
| 15 | Mengikuti sejumlah Seminar dan Webinar | Transportasi, SDM, Pendidikan | 2015 s/d 2021 |

H. Karya Buku

| No. | Judul Buku | Tahun | Jumlah Halaman |
|-----|---|-------|----------------|
| 1 | Metodologi Penelitian (ISBN 978 979-8148-68-8) | 2018 | 121 |
| 2 | Judul Buku : Lapangan Terbang (ISBN 978-979-19053-0-5), Diterbitkan tanggal 11 Desember 2008. | 2008 | 60 |
| 3 | Bahan Ajar Rekayasa Lalu Lintas (978-979-8148-66-8) | 2018 | 70 |
| 4 | Judul Buku: Pelabuhan, ISBN 978-979-19053-0-5 | 2008 | 75 |

Semua data yang saya isikan dan tercantum dalam biodata ini adalah benar dan dapat dipertanggungjawabkan secara hukum. Apabila di kemudian hari ternyata dijumpai ketidaksesuaian dengan kenyataan, saya sanggup menerima risikonya.

Jakarta, 10 Maret 2022



Ir. Efendy Tambunan, Lic.rer.reg.