

**LEMBAR**  
**HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW**  
**KARYA ILMIAH : JURNAL ILMIAH**

Judul Artikel Ilmiah : The Best Angle in Intersection Method  
 Jumlah Penulis : 2 orang  
 Status Pengusul : penulis ke-2  
 Identitas Jurnal Ilmiah :  
 a. Nama Jurnal : International Journal of Modern Research in Engineering and Technology  
 b. Nomor ISSN : 2456-5628  
 c. Vol. No. Bln. Thn : Volume 5 Issue 3 ( May 2020 )  
 d. Penerbit : International Journal of Modern Research in Engineering and Technology  
 e. Jumlah Halaman : 6 halaman

Kategori Publikasi Jurnal Ilmiah (beri  $\checkmark$  pada kategori yang tepat) :  
 Jurnal Ilmiah Internasional Berputasi  
 Jurnal Ilmiah Internasional  
 Jurnal Ilmiah Nasional Terakreditasi  
 Jurnal Ilmiah Nasional Tidak Terakreditasi  
 Jurnal Ilmiah Terindex di DOAJ/lainnya

**I. Hasil Penilaian Validasi :**

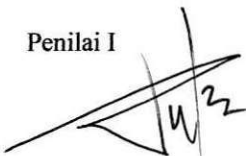
No	Aspek	Uraian/Komentar Penilaian
1	Indikasi Plagiasi	Hasil pemeriksaan sesuai standar yaitu : 3 %
2	Linieritas	Karya ilmiah ini sesuai dengan bidang keahwaan yang bersangkutan

**II. Hasil Penilaian Peer Review :**

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah (isi kolom yang sesuai)					Nilai Akhir Yang Diperoleh
	Internasional Bereputasi	Internasional	Nasional Terakreditasi	Nasional Tidak Terakreditasi	Nasional Terindex DOAJ dll.	
Kelengkapan dan kesesuaian unsur isi jurnal (10%)		2				1,9
Ruang lingkup dan kedalaman pembahasan (30%)		6				5,9
Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)		6				5,9
Kelengkapan unsur dan kualitas Penerbit (30%)		6				5,9
<b>Total = (100%)</b>		<b>20</b>				<b>19,6</b>
<b>Kontribusi pengusul (40%)</b>						<b>7,84</b>
<b>Komentar/ Ulasan Peer Review :</b>						
Kelengkapan kesesuaian unsur	kelengkapan kesesuaian unsur yang lain sesuai dengan standard penulisan jurnal internasional					

<p>Ruang lingkup dan kedalaman pembahasan</p>	<p>Pembahasan dalam karya ilmiah ini sesuai dengan ruang lingkup teknik sipil dengan pendekatan materi yang baik</p>
<p>Kecukupan dan kemutakhiran data/informasi dan metodologi</p>	<p>Data/informasi yang digunakan dalam karya ilmiah ini sudah mencakup dan mutakhir. Menggunakan prinsip dalam kebenaran dalam ilmiah.</p>
<p>Kelengkapan unsur dan kualitas Penerbit</p>	<p>Jurnal diterbitkan di dalam jurnal berskala internasional ber-ISBN ber-ISSN</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

**LEMBAR**  
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 Jurnal Ilmiah Terindex di DOAJ/lainnya

**I. Hasil Penilaian Validasi :**

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

**II. Hasil Penilaian Peer Review :**

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah (isi kolom yang sesuai)					Nilai Akhir Yang Diperoleh
	Internasional Bereputasi	Internasional	Nasional Terakreditasi	Nasional Tidak Terakreditasi	Nasional Terindex DOAJ dll.	
Kelengkapan dan kesesuaian unsur isi jurnal (10%)		2				1,8
Ruang lingkup dan kedalaman pembahasan (30%)		6				5,8
Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)		6				5,6
Kelengkapan unsur dan kualitas Penerbit (30%)		6				5,7
<b>Total = (100%)</b>		20				18,9
<b>Kontribusi pengusul (40%)</b>						7,56
<b>Komentar/ Ulasan Peer Review :</b>						
Kelengkapan kesesuaian unsur	Publikasi memenuhi persyaratan karya ilmiah atau sudah lengkap dan sesuai pedoman 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 kemudahan data memenuhi artikel ilmiah</p>
<p>Keengkapan unsur dan kualitas Penerbit</p>	<p>Kualitas penerbit 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	Beberapa 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 <sup>th</sup> to 18 <sup>th</sup> 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 <sup>th</sup> 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, <a href="http://ejournal.uki.ac.id">http://ejournal.uki.ac.id</a>
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, <a href="http://ejournal.uki.ac.id">http://ejournal.uki.ac.id</a>
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, <a href="http://ejournal.uki.ac.id">http://ejournal.uki.ac.id</a>
7	Analisis Kapasitas Terminal Petikemas Pelabuhan Tenau Kupang.	Vol. 2 No. 2/2021	Jurnal Rekayasa Teknik Sipil dan Lingkungan, Centech, <a href="http://ejournal.uki.ac.id">http://ejournal.uki.ac.id</a>
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, <a href="http://ejournal.uki.ac.id">http://ejournal.uki.ac.id</a>
9	Analisis Banjir di Jalan Kebon Kelapa Kecamatan Tambun Selatan, Kabupaten Bekasi.	Vol. 2 No. 2/2021	Jurnal Rekayasa Teknik Sipil dan Lingkungan, Centech, <a href="http://ejournal.uki.ac.id">http://ejournal.uki.ac.id</a>

**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.