



CURRICULUM VITAE

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Biography

Scopus of the Last 5 Years

Creation of Tsunami Evacuation Time Map for the Mentawai Islands, Indonesia. Journal of Earthquake and Tsunami, Ono Y., 2023

Designing and building earthquake warning system with Arduino and web-based SES60 SLP sensor. Bulletin of Electrical Engineering and Informatics, Edidas, 2022

Seismic Microzonation and Liquefaction Potential Study by Using Microtremor Result Data in and Around Sipora Island, Indonesia. Civil Engineering and Architecture, Putra R.R., 2022

Defect Study On Single Storey Reinforced Concrete Building In West Sumatra: Before And After 2009 West Sumatra Earthquake. International Journal of GEOMATE, Juliafad E., 2021

3D modelling using structure from motion technique for land observation in Kelok 9 flyover. Journal of Physics: Conference Series, Razi P., 2021

Relationship between shear velocities recorded by microtremor observations and seismic cone penetration test results. Indonesian Journal of Science and Technology, Putra R.R., 2021

Seismic performance evaluation of existing building in earthquake prone area based on seismic index and seismic demand method. Civil Engineering and Architecture, Putra R.R., 2021

Language as a tool for disaster mitigation management: Analysis of warning system text in language and institutional framework. Journal of Disaster Research, Zaim M., 2021

Damage investigation and re-analysis of damaged building affected by the ground motion of the 2009 padang earthquake. International Journal of GEOMATE, Putra R.R., 2020

Design Optimization of Water Distribution Suburban Area in Mranggen, Semarang, Indonesia. IOP Conference Series: Earth and Environmental Science, Rezagama A., 2020

Modeling of aquifer using vertical electrical sounding data with kriging interpolation in Padang City. Journal of Physics: Conference Series, Octova A., 2020

Magnetic susceptibility of pre- and post caldera lavas from Maninjau, West Sumatra. Journal of Physics: Conference Series, Fadila M.R., 2020

Relationship between obtained ultimate bearing capacity results based on N-SPT results and static load tests. International Journal of GEOMATE, Putra R.R., 2020

Large deformation of building frame structure due to December 7, 2016 Pidie Jaya earthquake. IOP Conference Series: Materials Science and Engineering, Hasan M., 2020

Web of Science (WoS) of the Last 5 Years

DEFECT STUDY ON SINGLE STOREY REINFORCED CONCRETE BUILDING IN WEST SUMATRA: BEFORE AND AFTER 2009 WEST SUMATRA EARTHQUAKE. INTERNATIONAL JOURNAL OF GEOMATE, Juliafad, E; Gokon, H; Putra, RR;, 2021

DAMAGE INVESTIGATION AND RE-ANALYSIS OF DAMAGED BUILDING AFFECTED BY THE GROUND MOTION OF THE 2009 PADANG EARTHQUAKE. INTERNATIONAL JOURNAL OF GEOMATE, , 2020

RELATIONSHIP BETWEEN OBTAINED ULTIMATE BEARING CAPACITY RESULTS BASED ON N-SPT RESULTS AND STATIC LOAD TESTS. INTERNATIONAL JOURNAL OF GEOMATE, , 2020

Google Scholar of the Last 5 Years

Creation of Tsunami Evacuation Time Map for the Mentawai Islands, Indonesia. Journal of Earthquake and Tsunami 17 (01), 2250019, 2023, Y Ono, RR Putra, 2023

Designing and building earthquake warning system with Arduino and web-based SES60 SLP sensor. Bulletin of Electrical Engineering and Informatics 11 (1), 581-588, 2022, E Edidas, RR Putra, 2022

Assessment Tingkat Kerentanan Bangunan Bertingkat di Kampus Universitas Negeri Padang Menggunakan Gelombang Rayleigh. Jurnal Serambi Engineering 7 (1), 2022, RR Putra, D Saputra, 2022

Pengembangan e-modul menggunakan aplikasi flip pdf professional pada mata kuliah analisis kurikulum pendidikan dasar. JRTI (Jurnal Riset Tindakan Indonesia) 7 (1), 42-47, 2022, A Rama, RR Putra, Y Huda, R Lapisa, 2022

Creation of Tsunami Evacuation Time Map for the Mentawai Islands, Indonesia. Journal of Earthquake and Tsunami, 2022, Y Ono, RR Putra, 2022

Liquefaction Potential based on ground investigation data and natural frequency. , RR Putra, J Kiyono, D Agung, 2022

ANALISIS PERIODE GETAR ALAMI BANGUNAN MENGGUNAKAN MIKROTREMOR. Jurnal Teknik Sipil 18 (2), 328-342, 2022, R Mustika, RR Putra, R Fitria, 2022

ANALYSIS NATURAL PERIODS OF STRUCTURE USING MICROTREMOR. Jurnal Teknik Sipil 18 (2), 328-342, 2022, R Mustika, RR Putra, R Fitria, 2022

Faktor Pengali Kuat Tekan Aktual Terhadap Prediksi Kuat Tekan Hasil Hammer Test. CIVED 9 (3), 374-379, 2022, E Juliafad, W Ardila, RR Putra, IG Rani, 2022

Pola Data Kuisioner Menggunakan Algoritma Perceptron Untuk Perbaikan dan Pengembangan Dosen Di Perguruan Tinggi. INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 21 (1), 1-10, I Irwan, RR Putra, K Krismadinata, N Jalinus, 2021

Komposisi ideal mortar dengan bahan tambah abu sekam padi dan adiktif untuk kuat tekan mortal maksimal. INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 21 (1), 61-66, RR Putra, 2021

Defect Study On Single Storey Reinforced Concrete Building In West Sumatra: Before And After 2009 West Sumatra Earthquake. GEOMATE Journal 20 (77), 205-212, 2021, E Juliafad, H Gokon, RR Putra, 2021

3D modelling using structure from motion technique for land observation in Kelok 9 flyover. *Journal of Physics: Conference Series* 1876 (1), 012026, 2021, P Razi, JTS Sumantyo, S Ali, J Aminuddin, F Kurniawan, RR Putra, ..., 2021

Introduction to questionnaire data patterns using Perceptron Algorithm for lecturer improvement and development in higher education. *INVOTEK: Jurnal Inovasi Vokasional dan Teknologi* 21 (1), 1-10, 2021, I Irwan, RR Putra, K Krismadinata, N Jalinus, 2021

Percentage of reducing heat of coco fiber material as a potential isolation of building walls. *Journal of Physics: Conference Series* 1811 (1), 012030, 2021, J Kemala, T Selamat, R Rusnardi, H Rumilla, 2021

BETON BERAT AGREGAT BARIT: Sebagai Perisai Sinar Gamma. Penerbit Andi, 2021, RR Putra, 2021

Tsunami Evacuation Simulation Focusing on the Use of Motorcycles: a Case Study for Sipora Island, Indonesia. *Journal of Japan Society of Civil Engineers, Ser. A1 (Structural Engineering)* ..., 2021, Y Maeda, Y Ono, RR Putra, 2021

Language as a tool for disaster mitigation management: analysis of warning system text in language and institutional framework. *Journal of disaster research* 16 (5), 817-826, 2021, M Zaim, RR Putra, N Rosita, 2021

Seismic performance evaluation of existing building in earthquake prone area based on seismic index and seismic demand method. *Civil Engineering and Architecture J* 9 (4), 2021, RR Putra, Y Ono, N Syah, AA Cantika, 2021

Karakteristik Gempa Foreshock dan Aftershock Pada Sumber Gempa Intraplate Berdasar Distribusi Kejadian Gempa (Studi Kasus: Gempa Padang 2009 dan Gempa Padang Panjang 2007). *CIVED* 8 (2), 76-84, 2021, RR Putra, 2021

Foreshock and aftershock earthquakes characteristic for subduction (Case study: Aceh earthquake in 2004 and Tohoku earthquake, Japan 2011). *INVOTEK: Jurnal Inovasi Vokasional dan Teknologi* 21 (3), 203-212, 2021, RR Putra, A Atmojo, 2021

Pengaruh Penggunaan Nanomaterial Abu Sekam Padi Terhadap Kuat Tekan Mortar. *CIVED* 8 (3), 175-184, 2021, E Prihatini, RR Putra, 2021

Increasing Preparedness Against Earthquake and Tsunami Hazards by Educating and Training a Community in Sipora Island, Indonesia. *Aceh International Journal of Science and Technology* 10 (3), 206-217, 2021, RR Putra, Y Ono, IG Rani, RI Utama, 2021

Relationship between Shear Velocities Recorded by Microtremor Observations and Seismic Cone Penetration Test Results. *Indonesian Journal of Science and Technology* 6 (2), 315-336, 2021, RR Putra, J Kiyono, SK Vanapalli, Y Ono, 2021

EVALUASI POTENSI LIKUIFAKSI DI KOTA PADANG BERDASARKAN DATA INVESTIGASI TANAH DAN HUBUNGANNYA DENGAN FREKUENSI NATURAL TANAH. *Jurnal Applied Science in Civil Engineering* 2 (4), 412-419, 2021, MD Agung, RR Putra, 2021

Ideal mortar composition with rice husk ash addition and additive for maximum mortal strength. *INVOTEK: Jurnal Inovasi Vokasional dan Teknologi* 21 (1), 45-68, 2021, RR Putra, 2021

Tensile Foreshock and Aftershock Earthquakes Characteristic for Subduction (Case Study: Aceh Earthquake In 2004 And Tohoku Earthquake, Japan 2011). *Jurnal Inovasi Vokasional dan Teknologi* 21 (3), 2021, RR Putra, A Atmojo, 2021

Pengembangan Media Video Pembelajaran Pada Mata Kuliah Teknologi Beton. *Jurnal Ilmiah Pendidikan dan Pembelajaran* 4 (1), 48-61, 2020, IJ Mendrofa, N Syah, RR Putra, 2020

Cooperative Project Based Learning Models in Programming Languages: A Proposed. International Journal of Advanced Science and Technology 29, pp. 1876-1886, 2020, F Suryana, N Jalinus, R Putra, Rusnardi Rahmat , Efendi, 2020

Analisis Pengelolaan Workshop Kayu Jurusan Teknik Gambar Bangunan SMK Negeri 1 Kota Pariaman. Jurnal Applied Science in Civil Engineering 1 (3), 106-111, 2020, FM Ramadhan, RR Putra, 2020

Relationship between obtained ultimate bearing capacity results based on n-spt results and static load tests. Geomate Journal 19 (74), 153-160, 2020, RR Putra, 2020

Damage investigation and re-analysis of damaged building affected by the ground motion of the 2009 Padang earthquake. GEOMATE Journal 18 (66), 163-170, 2020, RR Putra, 2020

Evaluation of Teaching Material PPG SM3T Program in Civil Engineering. Matematika 17 (4), 23.5, 2020, YF Pratama, M Giatman, RR Putra, N Syah, 2020

Manajemen Bencana. UNP PRESS, 2020, RR Putra, 2020

Research of the Last 5 Years

Pengembangan Early Warning System Gempa Bumi Dengan Display Smartphone Berbasis Sensor Getaran Tiga Dimensi. Penelitian Terapan Kompetitif Nasional, Leader: Yulkifli, Implementation Year: 2024

Pengembangan Early Warning System Gempa Bumi Dengan Display Smartphone Berbasis Sensor Getaran Tiga Dimensi. Penelitian Terapan Kompetitif Nasional, Leader: Yulkifli, Implementation Year: 2023

Earthquake Microzonation And Liquefaction Potential Study Based On Microtremor Observation Result For West Pasaman, Indonesia. Penelitian Kerjasama Perguruan Tinggi Luar Negeri, Leader: Rusnardi Rahmat Putra, Implementation Year: 2022

Pengembangan Early Warning System Gempa Bumi Dengan Display Smartphone Berbasis Sensor Getaran Tiga Dimensi. Penelitian Terapan Kompetitif Nasional, Leader: Yulkifli, Implementation Year: 2022

Earthquake Risk Reduction; Seismic Microzonation And Vulnerability Assessment Of Non-engineered Structure In Earthquake Prone Area, Mentawai Island, Indonesia. Pdpt-penelitian Kerjasama Perguruan Tinggi Luar Negeri Dasar, Leader: Rusnardi Rahmat Putra, Implementation Year: 2021

Implementasi Konsep Green Building Pada Gedung Pemerintahan Kota Padang Sumatera Barat. Pdpt-penelitian Dasar, Leader: Nurhasan Syah, Implementation Year: 2021

Pengembangan Teknik Prediksi Potensi Lukuifaksi Menggunakan Gelombang Seismic. Pdpt-penelitian Dasar, Leader: Rusnardi Rahmat Putra, Implementation Year: 2021

Pengembangan Teknik Prediksi Potensi Lukuifaksi Menggunakan Gelombang Seismic. Penelitian Dasar, Leader: Rusnardi Rahmat Putra, Implementation Year: 2020

Teknologi Satelit Synthetic Aperture Radar (sar) Untuk Pendeteksian Dan Monitoring Area Berpotensi Longsor. Penelitian Khusus Pusat Kajian, Leader: Pakhrur Razi, Implementation Year: 2020

Implementasi Konsep Green Building Pada Gedung Pemerintahan Kota Padang Sumatera Barat. Penelitian Dasar, Leader: Nurhasan Syah, Implementation Year: 2020

Earthquake Risk Reduction; Seismic Microzonation And Vulnerability Assessment Of Non-engineered Struture In Earthquake Prone Area, Mentawai Island, Indonesia. Penelitian Kerjasama Pt Luar Negeri Dasar, Leader: Rusnardi Rahmat Putra, Implementation Year: 2020

Community Service of the Last 5 Years

Pengembangan Dan Pemberdayaan Masyarakat Nagari Kaji Kecamatan Talamau Kabupaten Pasaman Barat Menjadi Nagari Tangguh Bencana Gempa. Program Pengembangan Nagari Binaan (ppnb), Leader: Rusnardi Rahmat Putra, Implementation Year: 2022

Pengembangan Dan Pemberdayaan Masyarakat Desa /nagari Matobe Kecamatan Sipora Selatan Kabupaten Mentawai Menjadi Nagari Tangguh Bencana Gempa Dan Tsunami. Program Pengembangan Nagari Binaan (ppnb), Leader: Rusnardi Rahmat Putra, Implementation Year: 2021

Pengembangan Dan Pemberdayaan Masyarakat Desa /nagari Matobe Kecamatan Sipora Selatan Kabupaten Mentawai Menjadi Nagari Tangguh Bencana Gempa Dan Tsunami. Program Pengembangan Nagari Binaan (ppnb), Leader: Rusnardi Rahmat Putra, Implementation Year: 2020

Peningkatan Keterampilan Mikroprosesor Dan Mikrokontroler Bagi Guru-guru Smk Smti Padang Dan Smkn 1 Ampek Nagari Kabupaten Agam. Program Kemitraan Masyarakat (pkm), Leader: Edidas, Implementation Year: 2020

IPR's of the Last 5 Years

The Implementation of Green Building Concept in Public Agency Building in Padang City. Inventor: Dr. Nurhasan Syah, M.Pd; Prof. Dr. M Giatman, M.SIE; Rusnardi Rahmat Putra, ST, MT, Ph.D.Eng; Syaiful Haq; Anggrieka Maharani; Nelvi Salendra, S.Pd., Publication Date: 2020-08-13

Book of the Last 5 Years

Manajemen bencana sosial. ISBN: 9786021178898, Publisher: UNP Press, Year: 2022

The Proposed Natural Frequency Of Soil For Liquefaction Potential Based On Microtremor Observation Result. ISBN: 9789391478162, Publisher: SARA BOOK PUBLICATION, Year: 2022

Beton berat agregat barit sebagai perisai sinar gamma [sumber elektronis]. ISBN: 9786230114663(PDF), Publisher: Penerbit Andi, Year: 2021

Manajemen bencana. ISBN: 9786021178836, Publisher: UNP Press, Year: 2021

Seismic Intensity of Padang City After 10 Years of 7.6 Richter Scale Earthquake, September 30, 2009. ISBN: 9789391478155, Publisher: SARA BOOK PUBLICATION, Year: 2021

Teknologi beton. ISBN: 9786021178607, Publisher: UNP Press, Year: 2020

ABCDE : ayo belajar bencana dari sekarang. ISBN: 9786021178683, Publisher: UNP Press, Year: 2020
