



CURRICULUM VITAE

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Biography

Scopus of the Last 5 Years

Magnetic Properties of Ancient Sediments Bengawan Solo, Central Java-East Java, Indonesia. Trends in Sciences, Legowo B., 2023

Magnetic susceptibilities of suspended sediment and microplastic abundance in a tropical volcanic estuary. Regional Studies in Marine Science, Hamdan A.M., 2023

Distribution of Pyroclastic Deposits around Lake Maninjau Agam District, West Sumatera, Indonesia based on Magnetic Susceptibility. Trends in Sciences, Putra S., 2022

Morphological Characteristics and Elemental Composition of Magnetic Minerals from the Volcanic Activity of Lake Maninjau Sediments. Trends in Sciences, Prasetyo I.J., 2022

Characterization and Identification of Magnetic Mineral Content in Industrial Dry Ink (Toner). Journal of Physics: Conference Series, Helmita, 2022

Identification of Rock Types from Iron Sand at Pasia Jambak Beach, Padang, West Sumatra. Journal of Physics: Conference Series, Visgun D.A., 2022

Magnetic Susceptibility Properties of Portland Cement. Journal of Physics: Conference Series, Ningsih E.D., 2022

Irregular Magnetic Susceptibility Pattern of Iron Sand from Pasia Jambak Beach, Pasia Nan Tigo, Padang, Indonesia. Journal of Physics: Conference Series, Rahmi A., 2022

Antiphase response of the Indonesian-Australian monsoon to millennial-scale events of the last glacial period. Scientific Reports, Scroxtton N., 2022

The validity of the science edupark E-Book with a scientific approach based on Padang Beach tourism destinations. Journal of Physics: Conference Series, Elvisa G.O., 2021

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Design of edupark bukik chinangkiek's physics e-book with a scientific approach. Journal of Physics: Conference Series, Lestari N.V., 2021

The validity of multimedia edupark physics learning with a scientific approach based on the beach destination of Painan Beach. Journal of Physics: Conference Series, Rahmadhani N., 2021

Validity of physics edupark e-book with scientific approach based on tourism destinations of Rumah Gadang. Journal of Physics: Conference Series, Sadraini, 2021

Author Correction: Savanna in equatorial Borneo during the late Pleistocene (Scientific Reports, (2019), 9, 1, (6392), 10.1038/s41598-019-42670-4). Scientific Reports, Wurster C.M., 2020

Scanning electron microscope (SEM) imaging and analysis of magnetic minerals of lake Diatas peatland section DD REP B 693. Journal of Physics: Conference Series, Aisyah N., 2020

Preliminary analysis of integrated science teaching based on edupark of Anai Land. Journal of Physics: Conference Series, Delvi M., 2020

Preliminary analysis learning media in the form of interactive multimedia based on edupark physics Carocok beach Painan Indonesia with the scientific method. Journal of Physics: Conference Series, Rahmadhani N., 2020

Identification of magnetic minerals in the peatlands cores from Lake Diatas West Sumatra, Indonesia. Journal of Physics: Conference Series, Sasmita A., 2020

Preliminary analysis learning media based on edupark science with scientific methods in the national geopark of Ranah Minang Silokek of Sijunjung. Journal of Physics: Conference Series, Ummah K., 2020

Preliminary analysis of Edupark Sarasah Kajai Waterfall, Indonesia as a learning resources of works and energy. Journal of Physics: Conference Series, Yunita R.A., 2020

Identification of magnetic mineral forming elements in peatland Alahan Panjang West Sumatra Indonesia, section DD REP B 693 using X-Ray Fluorescence. Journal of Physics: Conference Series, Ningsih E.D., 2020

Identification of magnetic minerals in peatland at the section of DD REP B 693 lake Diatas using XRD (X-ray Diffraction). Journal of Physics: Conference Series, Afriyeni P., 2020

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

Preliminary analysis of learning resources for edupark physics in hydroponic cultivation of SMK N 2 Batusangkar, Indonesia. Journal of Physics: Conference Series, Sari A.P., 2020

Preliminary analysis learning media based on edupark physics with scientific methods on Padang beach. Journal of Physics: Conference Series, Elvisa G.O., 2020

Design and manufacture of teaching edupark physics Mifan water park Padang Panjang, Indonesia with discovery learning model. Journal of Physics: Conference Series, Sari D.P., 2020

Preliminary analysis of Bukik Chinangkiek edupark's potential as a learning resource for physics in senior high school at X Koto Singkarak Solok, Indonesia. Journal of Physics: Conference Series, Lestari N.V., 2020

Preliminary analysis of learning resources for edupark in the matter rigid equilibrium by destination Rumah Gadang Istana Rajo Balun South Solok Indonesia. Journal of Physics: Conference Series, Sadraini, 2020

Analyzing magnetic susceptibility and elemental composition of rocks and soil around Danau Diatas, West Sumatra, Indonesia. Journal of Physics: Conference Series, Fajri R.N., 2020

Design of edupark Physics book with Project Based Learning based on Ngarai Sianok National Geopark, Indonesia. Journal of Physics: Conference Series, Emafri W., 2020

Web of Science (WoS) of the Last 5 Years

Antiphase response of the Indonesian-Australian monsoon to millennial-scale events of the last glacial period. SCIENTIFIC REPORTS, Scroxtton, N; Gagan, MK; Ayliffe, LK; Hantoro, WS; Hellstrom, JC; Cheng, H; Edwards, RL; Zhao, JX; Suwargadi, BW; Rifai, H;, 2022

Savanna in equatorial Borneo during the late Pleistocene (vol 9, 6392, 2019). SCIENTIFIC REPORTS, Wurster, CM; Rifai, H; Zhou, B; Haig, J; Bird, MI;, 2020

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Dissemination of the Existence of the Cave as a Geotourism and Science Study Center. Dinamisia: Jurnal Pengabdian Kepada Masyarakat 7 (1), 257-266, 2023, S Zulaikah, H Wisodo, YA Laksono, CA Hapsoro, H Rifai, F Ferdinal, ..., 2023

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Distribution of Pyroclastic Deposits around Lake Maninjau Agam District, West Sumatera, Indonesia based on Magnetic Susceptibility. Trends in Sciences 19 (7), 3218-3218, 2022, S Putra, H Rifai, R Fadila, ED Ningsih, R Putra, 2022

Morphological Characteristics and Elemental Composition of Magnetic Minerals from the Volcanic Activity of Lake Maninjau Sediments. Trends in Sciences 19 (8), 3428-3428, 2022, IJ Prasetyo, H Rifai, S Syafriani, R Putra, 2022

Remobilization and eruption of an upper crustal cumulate mush: the Singkut caldera (North Sumatra, Indonesia). EGU General Assembly Conference Abstracts, EGU22-9525, 2022, F Forni, JA Oalmann, G Fellin, S Eisele, M Phua, O Bernard, M Guillong, ..., 2022

Magnetic Susceptibility of Volcanic Rocks from Pahae Julu Region, North Sumatera Province. Journal of Physics and Its Applications 4 (2), 42-46, 2022, ND Siregar, H Rifai, S Syafriani, A Fauzi, F Mufit, 2022

Identification of Elemental Content and Rock Types in West Lampung Regency. EKSAKTA: Journal of Sciences and Data Analysis, 2022, NF Kurnia, H Rifai, S Syafriani, L Dwiridal, F Mufit, 2022

Characterization and Identification of Magnetic Mineral Content in Industrial Dry Ink (Toner). Journal of Physics: Conference Series 2309 (1), 012014, 2022, H Rifai, L Dwiridal, 2022

Magnetic Susceptibility Properties of Portland Cement. Journal of Physics: Conference Series 2309 (1), 012015, 2022, ED Ningsih, H Rifai, L Dwiridal, 2022

Identification of Rock Types from Iron Sand at Pasia Jambak Beach, Padang, West Sumatra. Journal of Physics: Conference Series 2309 (1), 012023, 2022, DA Visgun, H Rifai, R Rahmayuni, AN Yuwanda, A Rahmi, L Dwiridal, 2022

Irregular Magnetic Susceptibility Pattern of Iron Sand from Pasia Jambak Beach, Pasia Nan Tigo, Padang, Indonesia. Journal of Physics: Conference Series 2309 (1), 012027, 2022, A Rahmi, H Rifai, R Rahmayuni, AN Yuwanda, DA Visgun, L Dwiridal, 2022

Validation of glacial-interglacial rainfall variations in southwest Sulawesi using Mg/Ca and $\delta^{18}O$ in speleothems. EarthArXiv, 2022, AK Kimbrough, M Gagan, G Dunbar, W Hantoro, CC Shen, HM Hu, ..., 2022

Identification of Clay Element Content in Fabric Dyeing Process Using X-Ray Fluorescence Spectrometry. Jurnal Fisika 12 (1), 9-15, 2022, RF Ningsih, H Rifai, L Dwiridal, A Akmam, A Fauzi, Y Yusrizal, 2022

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Magnetic Susceptibility of Volcanic Soil on the Surface of Mount Singgalang, Sumatra Barat. Jurnal Fisika dan Aplikasinya 18 (2), 31-35, 2022, ARR Alrahmadana, H Rifai, S Syafriani, F Mufit, NY Sudiar, 2022

Antiphase response of the Indonesian–Australian monsoon to millennial-scale events of the last glacial period. Scientific Reports 12 (1), 20214, 2022, N Scroxtton, MK Gagan, LK Ayliffe, WS Hantoro, JC Hellstrom, H Cheng, ..., 2022

Predicting coastal inundation triggered by the oceanic forcing across Jakarta Bay. IOP Conference Series: Earth and Environmental Science 1109 (1), 012005, 2022, SM Permana, J Risandi, CK Tito, M Ramdhan, A Sufyan, T Solihuddin, ..., 2022

A Shifty Toba Magma Reservoir: Zircon Geochemistry Constraints on the Build-up to Four Caldera-forming Eruptions. AGU Fall Meeting Abstracts 2022, V12A-06, 2022, D Szymanowski, F Forni, C Bouvet de Maisonneuve, M Phua, J Oalman, ..., 2022

Investigating the Effect of Soil Chemistry and Climate on GDGT Climate Proxies (MBT⁵ME, TEX₈₆), Using 6 Globally distributed Altitudinal Gradients.. AGU Fall Meeting Abstracts 2022, PP13C-07, 2022, C De Jonge, J Guo, P Hallberg, R Smittenberg, M Griepentrog, H Rifai, ..., 2022

Application of Rock Magnetic Methods to Landslide Disaster Vulnerability: a Case Study (Malalak, Agam Regency). PILLAR OF PHYSICS 15 (2), 2022, CR Silvia, H Rifai, 2022

Validity Of Edupark Based Electronic Physics Module Hot Spring Padang Ganting For Senior High School. Pillar Of Physics Education 13 (4), 529-536, 2021, Y Sufetri, 2021

Quaternary caldera-forming eruptions from north to south Sumatra (Indonesia). EGU General Assembly Conference Abstracts, EGU21-7140, 2021, F Forni, JA Oalman, G Fellin, S Eisele, M Phua, M Guillong, H Rifai, ..., 2021

Design of edupark bukik chinangkiek's physics e-book with a scientific approach. Journal of Physics: Conference Series 1876 (1), 012048, 2021, NV Lestari, H Rifai, 2021

The validity of multimedia edupark physics learning with a scientific approach based on the beach destination of Painan Beach. Journal of Physics: Conference Series 1876 (1), 012069, 2021, N Rahmadhani, H Rifai, 2021

The validity of the science edupark E-Book with a scientific approach based on Padang Beach tourism destinations. Journal of Physics: Conference Series 1876 (1), 012059, 2021, GO Elvisa, H Rifai, 2021

Validity of physics edupark e-book with scientific approach based on tourism destinations of Rumah Gadang. Journal of Physics: Conference Series 1876 (1), 012057, 2021, H Rifai, 2021

Validity of science edupark e-book based on scientific approach on the national geopark of ranah minang silokek, Indonesia. Journal of Physics: Conference Series 1876 (1), 012058, 2021, K Ummah, H Rifai, 2021

Intense warming on highland Sumatra during the mid-Holocene sea-level highstand. Goldschmidt2021• Virtual• 4-9 July, PL Hållberg, AM Cortizas, KA Hapsari, H Rifai, S Eisele, ..., 2021

INTENSE WARMING ON HIGHLAND SUMATRA DURING THE MID HOLOCENE SEA-LEVEL HIGHSTAND. 30th International Meeting on Organic Geochemistry (IMOG 2021) 2021 (1), 1-2, 2021, P Hållberg, A Cortizas, A Hapsari, H Rifai, S Eisele, ..., 2021

Praktikalitas E-Book Edupark IPA dengan Pendekatan Saintifik Berdasarkan Destinasi Wisata Pantai Padang. Jurnal Penelitian Pembelajaran Fisika (JPPF) 7 (2), 128-135, 2021, GO Elvisa, H Rifai, 2021

Identification of Elemental Composition and Heavy Metal Content in Maninjau Lake Sediment Using X-Ray Fluorescence (MNJ 18-41B). JPSE (Journal of Physical Science and Engineering) 6 (2), 68-76, 2021, F Akmal, H Rifai, S Syafriani, CB De La Maisonneuve, JAG Oalmann, ..., 2021

Instrument of Understanding Level Test of Newton's Law Concept: Case Study Flying Fox Ride in Bukik Chinangkiek Edupark, West Sumatera, Indonesia. EDUCATUM Journal of Science, Mathematics and Technology 8 (2), 57-68, 2021, TDP Lisa, H Rifai, NV Lestari, M Murtiani, WS Dewi, 2021

Distribution Pattern of Magnetic Susceptibility Value of Iron Sand on the Surface of Pasia Jambak Beach Pasia Nan Tigo Padang. EKSAKTA: Berkala Ilmiah Bidang MIPA 22 (4), 302-310, 2021, R Rahmayuni, H Rifai, L Dwiridal, AN Yuwanda, DA Visgus, A Rahmi, 2021

Estimation of soil carbon storage under mono-specific *Enhalus acoroides* meadows in Pari Island, Indonesia. IOP Conference Series: Earth and Environmental Science 944 (1), 012065, 2021, H Rifai, S Rahmawati, D Nurdiansah, 2021

Author Correction: Savanna in equatorial Borneo during the late Pleistocene. Scientific Reports 10 (1), 4267, 2020, CM Wurster, H Rifai, B Zhou, J Haig, MI Bird, 2020

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Preliminary analysis of Edupark Sarasah Kajai Waterfall, Indonesia as a learning resources of works and energy. Journal of Physics: Conference Series 1481 (1), 012047, 2020, RA Yunita, H Rifai, 2020

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Identification of magnetic minerals in peatland at the section of DD REP B 693 lake Diatas using XRD (X-ray Diffraction). Journal of Physics: Conference Series 1481 (1), 012027, 2020, P Afriyeni, H Rifai, CB Maisonneuve, F Forni, S Eisele, M Phua, R Putra, 2020

Preliminary analysis learning media in the form of interactive multimedia based on edupark physics Carocok beach Painan Indonesia with the scientific method. Journal of Physics: Conference Series 1481 (1), 012087, 2020, N Rahmadhani, H Rifai, 2020

Preliminary analysis learning media based on edupark physics with scientific methods on Padang beach. Journal of Physics: Conference Series 1481 (1), 012094, 2020, GO Elvisa, H Rifai, 2020

Magnetic susceptibility of pre-and post caldera lavas from Maninjau, West Sumatra. Journal of Physics: Conference Series 1481 (1), 012017, 2020, MR Fadila, H Rifai, ED Ningsih, R Putra, CB de Maisonneuve, F Forni, ..., 2020

Identification of magnetic minerals in the peatlands cores from Lake Diatas West Sumatra, Indonesia. Journal of Physics: Conference Series 1481 (1), 012019, 2020, A Sasmita, H Rifai, R Putra, N Aisyah, M Phua, S Eisele, F Forni, ..., 2020

Preliminary analysis of integrated science teaching based on edupark of Anai Land. Journal of Physics: Conference Series 1481 (1), 012121, 2020, M Delvi, H Rifai, 2020

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Scanning electron microscope (SEM) imaging and analysis of magnetic minerals of lake Diatas peatland section DD REP B 693. *Journal of Physics: Conference Series* 1481 (1), 012025, 2020, N Aisyah, H Rifai, CB De La Maisonneuve, J Oalman, F Forni, S Eisele, ..., 2020

Design of edupark Physics book with Project Based Learning based on Ngarai Sianok National Geopark, Indonesia. *Journal of Physics: Conference Series* 1481 (1), 012100, 2020, W Emafri, DP Sari, H Rifai, 2020

Design and manufacture of teaching edupark physics Mifan water park Padang Panjang, Indonesia with discovery learning model. *Journal of Physics: Conference Series* 1481 (1), 012097, 2020, DP Sari, H Rifai, W Emafri, 2020

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Savanna in equatorial Borneo during the late Pleistocene (vol 9, 6392, 2019). *SCIENTIFIC REPORTS* 10 (1), 2020, CM Wurster, H Rifai, B Zhou, J Haig, MI Bird, 2020

Research of the Last 5 Years

Penyelidikan Struktur Bawah Permukaan Segmen Talamau, Sumatera Sebagai Penyebab Gempabumi Pasaman Barat Tahun 2022 Menggunakan Metode Gayaberat. Penelitian Kerjasama Perguruan Tinggi Luar Negeri, Leader: Ahmad Fauzi, Implementation Year: 2022

Fingerprinting Volcanic Eruption Activities From The Magnetic Properties Of Sediments. Pdpt-penelitian Kerjasama Perguruan Tinggi Luar Negeri Dasar, Leader: Hamdi, Implementation Year: 2021

Estimasi Potensi Mineral Magnetik Pasir Besi Pantai Pasia Nan Tigo Padang Menggunakan Metode Kemagnetan Batuan Dan Surfer. Ptpt-penelitian Terapan, Leader: Hamdi, Implementation Year: 2021

Exploring Volcanic Eruption Activities From The Magnetic Properties Of Sediments. Penelitian Dasar, Leader: Hamdi, Implementation Year: 2020

Estimasi Potensi Mineral Magnetik Pasir Besi Pantai Pasia Nan Tigo Padang Menggunakan Metode Kemagnetan Batuan Dan Surfer. Penelitian Terapan, Leader: Hamdi, Implementation Year: 2020

Fingerprinting Volcanic Eruption Activities From The Magnetic Properties Of Sediments. Penelitian Kerjasama Pt Luar Negeri Dasar, Leader: Hamdi, Implementation Year: 2020

Community Service of the Last 5 Years

Bimbingan Teknis Pembuatan Bahan Ajar Fisika Terintegrasi Materi Bencana Gempabumi Untuk Meningkatkan Kompetensi Mitigasi Bencana Guru-guru Fisika Sma Se Kabupaten Pasaman Barat. Program Kemitraan Masyarakat (pkm), Leader: Ahmad Fauzi, Implementation Year: 2022

IPR's of the Last 5 Years

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Book of the Last 5 Years

E-book edupark IPA berbasis pendekatan saintifik pada destinasi geopark nasional Ranah Minang Silokek Sijunjung [sumber elektronik]. ISBN: 9786233480826(PDF), Publisher: PT. Insan Cendekia Mandiri Group, Year: 2021

E-book edupark IPA berbasis pendekatan saintifik pada destinasi geopark nasional ranah Minang Silokek Sijunjung. ISBN: 9786233480819, Publisher: PT. Insan Cendekia Mandiri Group, Year: 2021

E-book edupark fisika Bukik Chinangkiek Singkaran untuk SMA/MA & sederajat dengan pendekatan saintifik [sumber elektronik]. ISBN: 9786025994708(PDF), Publisher: CV. Berkah Prima, Year: 2020
