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Biography

Scopus of the Last 5 Years

EXPERIMENTAL INVESTIGATION OF WATER TO AIR HEAT EXCHANGER PERFORMANCE AS PASSIVE COOLING STRATEGY ON VENTILATION SYSTEM IN TROPICAL REGION. EUREKA, Physics and Engineering, Lapisa R., 2023

Numerical analysis of horizontal temperature distribution in large buildings by thermo-aeraulic zonal approach. Building Simulation, Laghmich N., 2022

Optimized Design of Residential Building Envelope in Tropical Climate Region: Thermal Comfort and Cost Efficiency in an Indonesian Case Study. Journal of Architectural Engineering, Lapisa R., 2022

COMPARISON OF VARIOUS CONDUCTION MODES FOR THREE-PHASE INVERTER. Journal of Theoretical and Applied Information Technology, Krismadinata K., 2022

EXPERIMENTAL STUDY OF THE EFFECT OF BRAKE DRUM COOLING GROOVES ON MOTORCYCLE BRAKING PERFORMANCE. EUREKA, Physics and Engineering, Lapisa R., 2022

Combustion and Emission Characteristics of CNG-Diesel Dual Fuel Engine with Variation of Air Fuel Ratio. Automotive Experiences, Yuvenda D., 2022

Numerical Analysis of the Roof Slope Effect on the Building Thermal Comfort and the Need for Roofing Materials in Tropical Area. International Journal on Advanced Science, Engineering and Information Technology, Lapisa R., 2022

EXPERIMENTAL STUDY OF WINDOW SHADING EFFECT ON BUILDING THERMAL-VISUAL COMFORT IN A TROPICAL REGION. International Journal of GEOMATE, Lapisa R., 2021

Model of water velocity distribution in multilevel cross flow turbine. Journal of Advanced Research in Dynamical and Control Systems, Purwantono, 2020

Effect of skylight roof ratio on warehouse building energy balance and thermal visual comfort in hot-humid climate area. Asian Journal of Civil Engineering, Lapisa R., 2020

Effect of geometric parameters on the performance of motorcycle catalytic converters. Journal of Physics: Conference Series, Lapisa R., 2020

Analysis of Thermal Effects of Roof Material on Indoor Temperature and Thermal Comfort. International Journal on Advanced Science, Engineering and Information Technology, Lapisa R., 2020

The effect of building geometric shape and orientation on its energy performance in various climate regions. International Journal of GEOMATE, Lapisa R., 2019

Passive cooling strategies in roof design to improve the residential building thermal performance in tropical region. Asian Journal of Civil Engineering, Lapisa R., 2019

A wireless monitoring system for comparison photovoltaic and photovoltaic thermal characteristics. IOP Conference Series: Materials Science and Engineering, Krismadinata, 2019

The impact of internal gains on thermal stratification for public buildings. IOP Conference Series: Materials Science and Engineering, Laghmich N., 2019

Comparative Analysis of the Influence of Different Preparation Methods on the Properties of TEMPO-Oxidized Bacterial Cellulose Powder Films. Journal of Natural Fibers, Rahmadiawan D., 2024

Photovoltaic Energy Harvesting with Static and Dynamic Solar Modules Employing IoT-Enabled Performance Monitoring. TEM Journal, Krismadinata K., 2023

Experimental study on fuel consumption and smoke opacity of defective coffee-bean-based biodiesel fuel engines. Journal of Physics: Conference Series, Lapisa R., 2023

TRIGLYCERIDES OF CRUDE PALM OIL TO BIODIESEL: STUDIES ON ELECTROLYSIS AND ELECTROMAGNETIC EFFECT. Journal of Applied Engineering and Technological Science, Primandari S.R.P., 2023

Design and analysis of earth-air heat exchanger integrated into the building ventilation system. IOP Conference Series: Earth and Environmental Science, Lapisa R., 2023

Web of Science (WoS) of the Last 5 Years

THE EFFECT OF BUILDING GEOMETRIC SHAPE AND ORIENTATION ON ITS ENERGY PERFORMANCE IN VARIOUS CLIMATE REGIONS. INTERNATIONAL JOURNAL OF GEOMATE, , 2019

Photovoltaic Energy Harvesting with Static and Dynamic Solar Modules Employing IoT-Enabled Performance Monitoring. TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS, Krismadinata, K; Asnil, A; Husnaini, I; Lapisa, R; Maulana, R; Yuhendri, M; Astrid, E; Logamani, P., 2023

Optimized Design of Residential Building Envelope in Tropical Climate Region: Thermal Comfort and Cost Efficiency in an Indonesian Case Study. JOURNAL OF ARCHITECTURAL ENGINEERING, Lapisa, R; Arwizet; Kurniawan, A; Krismadinata; Rahman, H; Romani, Z., 2022

EXPERIMENTAL STUDY OF WINDOW SHADING EFFECT ON BUILDING THERMAL-VISUAL COMFORT IN A TROPICAL REGION. INTERNATIONAL JOURNAL OF GEOMATE, Lapisa, R; Karudin, A; Krismadinata; Ambiyar., 2021

Google Scholar of the Last 5 Years

Comparative Study of Numerical and Experimental Analysis of Micro Hydro Power Plant in Nagari Koto Hilalang Solok Regency. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 5Â ..., 2023, KD Anisa, K Arwizet, R Lapisa, M Mulianti, 2023

Experimental investigation of water to air heat exchanger performance as passive cooling strategy on ventilation system in tropical region. EUREKA: Physics and Engineering (2023),(1), 32-41, 2023, R Lapisa, A Kurniawan, J Jasman, D Yuvenda, RP Putra, W Waskito, ..., 2023

Studi Eksperimen, Pengaruh Variasi Dimensi Ban Terhadap Keausan Ban. JTPVI: Jurnal Teknologi dan Pendidikan Vokasi Indonesia 1 (1), 1-6, 2023, M Shiddiq, R Lapisa, IY Basri, W Purwanto, H Hasan, 2023

Pengaruh Kepemimpinan Kepala Sekolah dan Budaya Organisasi terhadap Kinerja Guru. Ideguru: Jurnal Karya Ilmiah Guru 8 (2), 226-231, 2023, RR Harahap, R Lapisa, M Milana, DY Sari, 2023

Analisis Coefficient of Performance (COP) Trainer Sistem Pengkondisian Udara pada Putaran 2970 rpm. JTPVI: Jurnal Teknologi dan Pendidikan Vokasi Indonesia 1 (1), 51-66, 2023, G Solka, N Hidayat, A Andrizal, R Lapisa, 2023

PENGGUNAAN ECU STANDAR DAN REMAP PADA MOTOR HONDA BEAT PGM-FI TAHUN 2014 TORSI, TENAGA, KONSUMSI BAHAN BAKAR, DAN EMISI GAS BUANG. Ensiklopedia of Journal 5 (3), 46-51, 2023, R Lapisa, R Paslah, A Andrizal, N Hidayat, 2023

Cross-Flow Turbine Design of Micro hydro Power Generator for Rural Energy-Independent Area. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 5Â ..., 2023, R Lapisa, A Karudin, K Krismadinata, PY Putri, J Adri, FO Saputra, ..., 2023

MODEL PEMBELAJARAN KEJURUAN. CV WIDINA MEDIA UTAMA, 2023, NH Adi, AR Riyanda, H Nadia, F Maulana, A Ambiyar, U Verawardina, ..., 2023

Numerical analysis of horizontal temperature distribution in large buildings by thermo-aeraulic zonal approach. Building Simulation 15 (1), 99-115, 2022, N Laghmich, Z Romani, R Lapisa, A Draoui, 2022

EFEKTIVITAS PENGGUNAAN GOOGLE CLASSROOM SEBAGAI MEDIA PEMBELAJARAN PADA MATA PELAJARAN GAMBAR TEKNIK KELAS X TEKNIK PEMESINAN DI SMKN 1 BATIPUH. Jurnal Vokasi Mekanika 4 (1), 6-12, 2022, R Mulya, P Primawati, R Refdinal, R Lapisa, 2022

Efektifitas Pelaksanaan Praktek Kerja Industri Siswa Smk Negeri 1 Batipuh. Jurnal Vokasi Mekanika 4 (1), 13-18, 2022, R Vananda, R Lapisa, A Aziz, P Purwantono, 2022

Hubungan Pengalaman Praktek Industri Terhadap Minat Berwirausaha Mahasiswa S1 Pendidikan Teknik Mesin Universitas Negeri Padang. Jurnal Vokasi Mekanika 4 (2), 25-30, 2022, M Elfin, E Indrawan, R Lapisa, M Mulianti, 2022

Perancangan Dan Pembuatan Alat Pembersih Telur Ekonomis. Jurnal Vokasi Mekanika 4 (2), 70-74, 2022, YS Novsky, P Purwantono, R Lapisa, A Kurniawan, 2022

Optimized Design of Residential Building Envelope in Tropical Climate Region: Thermal Comfort and Cost Efficiency in an Indonesian Case Study. Journal of Architectural Engineering 28 (2), 05022002, 2022, R Lapisa, Arwizet, A Kurniawan, Krismadinata, H Rahman, Z Romani, 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

Pelatihan Software Inventor Dalam Meningkatkan Kompetensi Guru Sekolah Menengah Kejuruan Di Sumatera Barat. Suluah Benda: Jurnal Ilmiah Pengabdian Kepada Masyarakat 22 (1), 16-24, 2022, A Karudin, IY Basri, R Lapisa, Z Abadi, R Putra, O Ananda, 2022

Analysis of the Effect of a Glass Layer on the Roof of a House of a Thermoelectric Generator on Temperature and Electrical Voltage. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 4Â ..., 2022, A Saputra, R Lapisa, R Refdinal, SRP Primandari, 2022

RANCANG BANGUN DAN ANALISIS PERFORMA PERANGKAT SOLAR TERMAL SEBAGAI SUMBER PEMANAS AIR. Jurnal Vokasi Mekanika 4 (3), 6-11, 2022, M Azim, R Lapisa, A Ambiyar, DY Sari, A Asnil, 2022

Experimental study of the effect of brake drum cooling grooves on motorcycle braking performance. EUREKA: Physics and Engineering, 69-77, 2022, R Lapisa, D Fernandez, C Tarihoran, M Milana, A Arif, P Purwantono, ..., 2022

Pengaruh Penambahan Bahan Bakar Pirolisis Plastik terhadap Daya dan Torsi pada Sepeda Motor Injeksi 108 cc.. Fakultas Teknik, 2022, B Giovani, 2022

Analysis of Hardness on the Tapping Knife of Rubber Plants Made of Medium Carbon Steel Resulting from Quenching Process with Different Cooling Mediums. INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 22 (2), 91-96, 2022, NA Brawira, H Nurdin, R Lapisa, B Syahri, 2022

Pengembangan E-Modul Berbasis Android Mata Kuliah Aplikasi Komputer sebagai Alternatif Pendukung Pembelajaran Jarak Jauh (PJJ). Jurnal Informasi dan Teknologi, 177-184, 2022, KW Prima, H Effendi, R Lapisa, 2022

PENGGUNAAN MEDIA PEMBELAJARAN GOOGLE CLASSROOM UNTUK MENINGKATKAN HASIL BELAJAR SISWA PADA MATA PELAJARAN PEKERJAAN DASAR TEKNIK MESIN (PDTM) DI SMK NEGERI 2 KOTA SOLOK. Jurnal Vokasi Mekanika 4 (4), 63-69, 2022, MR Anshari, DY Sari, R Lapisa, A Kurniawan, 2022

CONTRIBUTION OF USING GOOGLE CLASSROOM APPLICATION ON STUDENTS'LEARNING INTEREST AT SMK NEGERI 1 BATIPUH. Journal of Mechanical Engineering Education 9 (1), 2022, SZ Dirgantara, B Syahri, R Lapisa, SRP Primandari, 2022

Optimization Of Use Types Of Plug, Oil, And Ethanol Fuel Mixture Of Gasoline To Increase Temperature And Mileage Of 4 Stroke Motorcycle With Taguchi Method. AEEJ: Journal of Automotive Engineering and Vocational Education 3 (2), 79-92, 2022, W Purwanto, F Afif, R Lapisa, D Yuvenda, MY Setiawan, HD Saputra, 2022

Nagari Mandiri Energi dengan Pembangkit Listrik Tenaga Mikro Hidro. Suluah Bendang: Jurnal Ilmiah Pengabdian Kepada Masyarakat 22 (3), 658-671, 2022, K Krismadinata, A Asnil, I Husnaini, T Andayono, M Yandra, R Lapisa, 2022

Combustion and emission characteristics of CNG-diesel dual fuel engine with variation of air fuel ratio. Automotive Experiences 5 (3), 507-527, 2022, D Yuvenda, B Sudarmanta, J Jamaludin, O Muraza, RP Putra, R Lapisa, ..., 2022

Optimasi Penggunaan Jenis Busi, Oli, Dan Campuran Ethanol Bensin Terhadap Peningkatan Suhu Dan Jarak Tempuh Sepeda Motor 4 Langkah Dengan Metode Taguchi. AEEJ: Journal of Automotive Engineering and Vocational Education 3 (2), 79-92, 2022, W Purwanto, F Afif, R Lapisa, D Yuvenda, MY Setiawan, HD Saputra, 2022

Pengaruh Diameter Variasi Throttle Body Terhadap Daya, Torsi dan Emisi Gas Buang Pada Sepeda Motor Beat Pgm-Fi 110 cc Tahun 2014. Ensiklopedia Education Review 4 (3), 245-250, 2022, R Lapisa, R Rahman, IY Basri, W Afrison, 2022

Development of E-Interactive Module Starter System Maintenance with Discovery Learning Model. EDUTECH: Journal of Education And Technology 6 (1), 171-178, 2022, N Hendra, R Lapisa, A Ambiyar, W Purwanto, 2022

Rancang Bangun Simulator Sistem Starter Sepeda Motor Dalam Mengatasi Keterbatasan Media Pembelajaran. Jurnal Pendidikan Teknik Elektro 2 (1), 60-64, 2021, IY Basri, D Faiza, R Lapisa, M Natsir, H Maksum, G Giatman, 2021

Analisis Pemanfaatan Panas Mesin Kendaraan Menjadi Sumber Energi Listrik Pada Kendaraan Bermotor Dengan Menggunakan Efek Seeback Pada Thermoelektrik Generator. AEEJ: Journal of Automotive Engineering and Vocational Education 2 (1), 1-10, 2021, S Syafrianto, R Lapisa, 2021

The Optimization of Building Energy Consumption in Universitas Negeri Padang Using Building Energy Simulation Program. Teknomekanik 4 (1), 30-35, 2021, A Kurniawan, N Qosim, R Lapisa, Z Abadi, J Jasman, 2021

The Effect of the Addition of Turbo cyclone on the Inlet Air on Torque and Power in the Toyota Avanza 1300 CC. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 3Â ..., 2021, I Zikri, R Lapisa, 2021

Analisis Regulasi Diri Dalam Belajar Terhadap Hasil Prestasi Belajar Gambar Teknik Siswa Di Smk Negeri 2 Pekanbaru. Jurnal Vokasi Mekanika 3 (4), 26-30, 2021, F Firdaus, B Syahri, R Lapisa, Z Abadi, 2021

ANALISIS KECEPATAN AIR MASUK TERHADAP BUKAAN GUIDE VANE TURBIN CROSSFLOW SKALA PICO HYDRO DENGAN SIMULASI CFD. Jurnal Vokasi Mekanika 3 (3), 94-101, 2021, D Riadi, R Lapisa, H Nurdin, M Muliarti, 2021

Pengembangan Media Pembelajaran Instrumentasi dan Sinyal Sepeda Motor Berbasis Android. JTEV (Jurnal Teknik Elektro dan Vokasional) 7 (2), 229-236, 2021, Z Zulbadri, S Syahril, R Lapisa, 2021

Learning Media Development for Continuously Variable Transmission Automatic Transmission System Subjects on Motorcycles. IJECA (International Journal of Education and Curriculum Application) 4 (2Â ..., 2021, R Lapisa, N Azhari, 2021

Pengaruh Penambahan Bahan Bakar Pirolisis Plastik terhadap Daya dan Torsi pada Sepeda Motor Injeksi 108 cc.. Universitas Negeri Padang, 2021, B Giovani, 2021

Pengaruh Pembelajaran Student Facilitator and Explaining Terhadap Hasil Belajar Dasar Perancangan Teknik Mesin Pada Siswa Kelas X Di Smk Negeri 1 Sumatera Barat. Jurnal Vokasi Mekanika 3 (4), 102-108, 2021, MF Pratama, I Irzal, P Purwantono, R Lapisa, 2021

Pengaruh Penerapan Model Project Based Learning Terhadap Hasil Belajar Praktik Pemboran Mahasiswa Teknik Pertambangan AKNS. Jurnal Sosial dan Teknologi 1 (10), 1.276-1.286, 2021, F Silvia, R Abdullah, R Lapisa, 2021

Rancang bangun dan analisis performa alat perebus daun Gambir dengan sistem udara bertekanan. Suluah Bendang: Jurnal Ilmiah Pengabdian Kepada Masyarakat 21 (3), 257-264, 2021, R Lapisa, J Adri, F Prasetya, N Helmi, A Arafat, G Firmansyah, 2021

Experimental study of window shading effect on building thermal-visual comfort in a tropical region. GEOMATE Journal 21 (87), 79-86, 2021, R Lapisa, A Karudin, 2021

Peningkatan Produktivitas Getah Gambir Melalui Inovasi Alat Pencetak Getah Gambir. Suluah Bendang: Jurnal Ilmiah Pengabdian Kepada Masyarakat 21 (3), 412-420, 2021, A Arafat, SRP Primandari, N Helmi, J Jasman, J Adri, R Lapisa, 2021

Heat Transfer Analysis in Heat Exchanger with Various Shifting Media. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 2Â ..., 2020, ER Anugrah, R Lapisa, K Arwizet, A Ambiyar, 2020

Numerical Analysis of Effect of Home Roof Design Towards Thermal Comfort of Occupants. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 2 (2), DA Juliadi, R Lapisa, P Purwantono, R Refdinal, 2020

- Thermal Analysis of Solar Protection on Windows in Tropical Areas. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 2Â ..., 2020, F Azherda, R Lapisa, W Waskito, H Hasanuddin, 2020
-
- Design Of Electric Bike As Energy Efficient Transportation. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 2 (2), S Pareza, P Purwantono, R Lapisa, P Primawati, 2020
-
- Numerical Analysis Effect of Home Roof Design Towards Thermal Comfort of Occupants. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 2Â ..., 2020, DA Juliadi, R Lapisa, P Purwantono, H Nurdin, 2020
-
- Evaluasi Pelaksanaan Program Praktek Kerja Industri pada Kompetensi Keahlian Nautika Kapal Niaga. Jurnal Imiah Pendidikan dan Pembelajaran 4 (1), 128-138, 2020, D Evenda, R Lapisa, 2020
-
- Build Design Of Electric Bike As Energy Efficient Transportation. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 2Â ..., 2020, S Pareza, P Purwantono, R Lapisa, P Primawati, 2020
-
- Effect of geometric parameters on the performance of motorcycle catalytic converters. Journal of Physics: Conference Series 1469 (1), 012176, 2020, R Lapisa, AG Halim, T Sugiarto, K Arwizet, M Martias, H Maksum, ..., 2020
-
- Rancang Bangun Rpm-Meter Sepeda Motor Injeksi dengan Sensor Induksi. AEEJ: Journal of Automotive Engineering and Vocational Education 1 (1), 39-48, 2020, A Septiandes, R Lapisa, DS Putra, 2020
-
- Developing Energy Conversion Teaching Material Based on Discovery Learning Model Through Scientific Approach. Jurnal Pendidikan Dan Pengajaran 53 (2), 114-124, 2020, S Supriadi, S Suparno, H Maksum, R Lapisa, 2020
-
- Effect of skylight–roof ratio on warehouse building energy balance and thermal–visual comfort in hot-humid climate area. Asian Journal of Civil Engineering 21, 915-923, 2020, R Lapisa, A Karudin, M Martias, K Krismadinata, A Ambiyar, Z Romani, ..., 2020
-
- Hubungan Persepsi Siswa Dalam Metode Mengajar Guru Terhadap Hasil Belajar Siswa Teknik Kendaraan Ringan di SMK N 8 Padang. MSI Transaction on Education 1 (4), 147-158, 2020, I Putra, M Martias, R Lapisa, 2020
-
- Curriculum Evaluation for Light Vehicle Engineering Department with Discrepancy Models According To Industrial Needs In Vocational High School. Journal of Education Research and Evaluation 4 (4), A Aprianto, F Rizal, R Lapisa, W Wakhid, AR Riyanda, 2020
-
- Pengaruh Penambahan Bahan Bakar Pirolisis Plastik Terhadap Daya dan Torsi pada Sepeda Motor Injeksi 108 cc. AEEJ: Journal of Automotive Engineering and Vocational Education 1 (2), 101-110, 2020, B Giovani, R Lapisa, 2020
-
- Curriculum Evaluation of Light Vehicle Engineering Department with Discrepancy Model as Per Industry Needs. Journal of Education Research and Evaluation 4 (4), 387-393, 2020, A Aprianto, F Rizal, R Lapisa, W Wakhid, AR Riyanda, 2020
-
- Turbin Air: Pengantar dan Aplikasinya di Lapangan. UNP Press, 2020, P Purwantono, R Lapisa, A Kurniawan, 2020
-
- The effect of building geometric shape and orientation on its energy performance in various climate regions. GEOMATE Journal 16 (53), 113-119, 2019, R Lapisa, 2019
-
- Passive Cooling Strategies in Roof Design to Improve the Residential Building Thermal Performance in Tropical Region. Asian Journal of Civil Engineering, February. <https://doi.org/10.1007>Â ..., 2019, R Lapisa, A Karudin, F Rizal, Krismadinata, Nasrudin, 2019
-

Efek Geometri pada Katalis dalam Penurunan Level Emisi Gas Buang Kendaraan. *Jurnal Pendidikan Teknologi Kejuruan* 2 (1), 1-8, 2019, R Lapisa, T Sugiarto, AG Halim, 2019

Analisis Pengaruh Pemasangan Groundstrap Terhadap Konsumsi Bahan Bakar Dan Emisi Gas Buang Pada Sepeda Motor. *Ranah Research: Journal of Multidisciplinary Research and Development* 1 (3) ..., 2019, AF Kurniawan, R Lapisa, IY Basri, 2019

ANALISIS PENGARUH KARAKTERISTIK THERMAL MATERIAL ATAP TERHADAP KENYAMANAN RUANGAN. *Ranah Research: Journal of Multidisciplinary Research and Development* 1 (3) ..., 2019, TK HH, R Lapisa, 2019

Effect of Heating Fuel through the Upper Tank Radiator with Copper Pipes Against Torque and Power. *MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering* 1 (1) ..., 2019, E Wahidri, E Alwi, R Lapisa, 2019

Welding Technique Training and Neon Box Advertising Board for Youth Work Groups in Areas Affected by Earthquake Disasters. *Jurnal Aplikasi IPTEK Indonesia* 3 (3), 137-143, 2019, A Karudin, A Ambiyar, B Rahim, R Lapisa, 2019

A wireless monitoring system for comparison photovoltaic and photovoltaic thermal characteristics. *IOP Conference Series: Materials Science and Engineering* 602 (1), 012027, 2019, Krismadinata, R Lapisa, Asnil, 2019

The impact of internal gains on thermal stratification for public buildings. *IOP conference series: Materials science and engineering* 609 (4), 042090, 2019, N Laghmich, Z Romani, R Lapisa, A Draoui, 2019

Review Implementasi Teknologi Informasi dan Komunikasi dalam Kegiatan Pembelajaran. *Jurnal Pendidikan Teknologi Kejuruan* 2 (4), 103-109, R Lapisa, IY Basri, M Milana, A Arif, 2019

PENINGKATAN USAHA PETERNAKAN IKAN MELALUI APLIKASI TEKNOLOGI TEPAT GUNA MESIN PELET IKAN DI KANAGARIAN LUBUK BASUNG. *Jurnal Vokasi Mekanika* 1 (3), 28-33, 2019, B Amin, W Waskito, R Lapisa, 2019

Review Implementasi Teknologi Informasi dan Komunikasi dalam Kegiatan Pembelajaran: Studi Kasus SMK di Kota Padang Panjang. *Jurnal Pendidikan Teknologi Kejuruan* 2 (4), 103-109, 2019, R Lapisa, IY Basri, M Milana, A Arif, 2019

Minimum Competency Assessment (MCA) Using Android-Based Try Out Application. *9th International Conference on Technical and Vocational Education and Training* ..., 2023, NH Adi, AL Lubis, AT Devega, R Lapisa, 2023

DAMPAK MODEL PEMBELAJARAN KOLABORATIF THINK PAIR SHARE BERBASIS PROYEK TERHADAP PENINGKATAN HASIL BELAJAR, KREATIVITAS DAN KERJASAMA MAHASISWA PADA MATA KULIAH MEKATRONIKA. *Jurnal Vokasi Mekanika* 5 (2), 38-48, 2023, A Karudin, A Ambiyar, B Rahim, B Syahri, R Lapisa, ML Mahendra, 2023

DAMPAK MODEL PEMBELAJARAN KOLABORATIF BERBASIS PROYEK TERHADAP PENINGKATAN HASIL BELAJAR, KREATIVITAS DAN KERJASAMA MAHASISWA PADA MATA KULIAH MEKATRONIKA DI PENDIDIKAN TINGGI. *Jurnal Vokasi Mekanika* 5 (1), 130-140, 2023, A Karudin, A Ambiyar, B Rahim, B Syahri, R Lapisa, 2023

Pengaruh Campuran Octane Booster pada Pertalite Terhadap Konsumsi Bahanbakar dan Emisi Gas Buang pada Honda Beat ESP 110cc. *JTPVI: Jurnal Teknologi dan Pendidikan Vokasi Indonesia* 1 (3), 371-380, 2023, HY Pratama, R Lapisa, 2023

Photovoltaic Energy Harvesting with Static and Dynamic Solar Modules Employing IoT-Enabled Performance Monitoring. TEM Journal 12 (3), 1354, 2023, K Krismadinata, A Asnil, I Husnaini, R Lapisa, R Maulana, M Yuhendri, ..., 2023

The Influence of Coolant Fluid Variations on the Thermoelectric Generator Performance Utilizing Solar Radiation on Zinc Roof. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 5Â ..., 2023, K Rezki, P Primawati, A Ambiyar, R Lapisa, 2023

Development of Android-Based Learning Media in Information Communication Technology (ICT) at Senior High School. Indonesian Journal of Computer Science 12 (4), 2023, IRS Indah, H Effendi, R Lapisa, RE Wulansari, 2023

Evaluation of Countinace Stake on the Implementation of Project Based Learning in the Automotive Engineering Department. Indonesian Journal of Computer Science 12 (4), 2023, R Lapisa, 2023

Photovoltaic Energy Harvesting with Static and Dynamic Solar Modules Employing IoT-Enabled Performance Monitoring.. TEM Journal 12 (3), 2023, K Krismadinata, A Asnil, I Husnaini, R Lapisa, R Maulana, M Yuhendri, ..., 2023

Experimental study on fuel consumption and smoke opacity of defective coffee-bean-based biodiesel fuel engines. Journal of Physics: Conference Series 2582 (1), 012007, 2023, R Lapisa, D Yuvenda, RP Putra, 2023

Numerical Analysis of Air-Water Heat Exchanger as Passive Cooling System in Air Ventilation. Asian Journal of Science, Technology, Engineering, and Art 1 (2), 243-254, 2023, FO Saputra, R Lapisa, R Refdinal, B Syahri, 2023

Experimental Study of Air-Water Heat Exchanger as a Passive Coolant in Air Vents. MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 5Â ..., 2023, RR Ichsan, R Lapisa, P Primawati, B Syahri, 2023

Investigasi Kekuatan Impeller Pada Blower Sentrifugal. Jurnal Pendidikan Tambusai 7 (3), 23321-23329, 2023, B Walidein, R Lapisa, S Syahril, A Arafat, 2023

Optimization of impeller blade number in centrifugal pump for crude oil using Solidworks Flow Simulation. Journal of Engineering Researcher and Lecturer 2 (3), 80-93, 2023, MF Aldio, W Waskito, P Purwantono, R Lapisa, 2023

Triglycerides of crude palm oil to biokerosene: Studies on electrolysis and electromagnetic effect. Journal of Applied Engineering and Technological Science (JAETS) 5 (1), 557-568, 2023, SRP Primandari, K Krismadinata, D Yuvenda, R Lapisa, A Kurniawan, ..., 2023

Comparison of variation in the building shapes and the window-to-wall ratio by concerning energy consumption for thermal comfort and lighting. Teknomekanik 6 (2), 136-147, 2023, A Kurniawan, R Lapisa, MY Setiawan, B Rahim, B Syahri, 2023

Design and analysis of earth-air heat exchanger integrated into the building ventilation system. IOP Conference Series: Earth and Environmental Science 1281 (1), 012060, 2023, R Lapisa, A Kurniawan, D Yuvenda, D Rahmadiawan, 2023

Peningkatan Jumlah Rumah Terpasang Aliran Listrik di Perkampungan Ngalau Baribuik Kota Padang. Suluah Bendang: Jurnal Ilmiah Pengabdian Kepada Masyarakat 23 (1), 92-100, 2022, A Asnil, O Candra, DE Myori, F Eliza, K Krismadinata, I Husnaini, ..., 2022

Research of the Last 5 Years

Pengembangan Model E-authentic Aseessment Berbasis Problem Based Learning Menggunakan Exspert System. Penelitian Khusus Guru Besar, Leader: Wakhinuddin Simatupang, Implementation Year: 2022

Integrated Solar Thermal-induced Ventilation With Thermoelectric Generator Untuk Efisiensi Energi Dan Kenyamanan Bangunan. Pd-penelitian Dasar, Leader: Remon Lapisa, Implementation Year: 2022

Pemodelan Dan Karakterisasi Electronic Load Controller Generator Induksi Untuk Pembangkit Listrik Tenaga Piko Hidro. Penelitian Kerjasama Perguruan Tinggi Luar Negeri, Leader: Krismadinata, Implementation Year: 2022

Ground-water Air Heat Exchanger Sebagai Pendingin Pasif Pada Sistem Ventilasi. Penelitian Dasar Kompetitif Nasional, Leader: Remon Lapisa, Implementation Year: 2022

Integrated Solar Thermal-induced Ventilation With Thermoelectric Generator Untuk Efisiensi Energi Dan Kenyamanan Bangunan. Pdpt-penelitian Dasar, Leader: Remon Lapisa, Implementation Year: 2021

Analisis Pengaruh Disain Atap Terhadap Kenyamanan Termal-visual Bangunan Tersier. Pdpt-penelitian Dasar, Leader: Remon Lapisa, Implementation Year: 2021

Pemodelan Dan Karakterisasi Electronic Load Controller Generator Induksi Untuk Pembangkit Listrik Tenaga Piko Hidro. Pdpt-penelitian Kerjasama Perguruan Tinggi Luar Negeri Dasar, Leader: Krismadinata, Implementation Year: 2021

Aplikasi Integrasi Pembangkit Listrik Tenaga Surya Dengan Pemanas Surya Untuk Rumah Hemat Energi. Penelitian Terapan Unggulan Perguruan Tinggi, Leader: Krismadinata, Implementation Year: 2020

Manajemen Energi Bangunan Berbasis Internet Of Thing. Penelitian Dasar, Leader: Krismadinata, Implementation Year: 2020

Analisis Pengaruh Disain Atap Terhadap Kenyamanan Termal-visual Bangunan Tersier. Penelitian Dasar, Leader: Remon Lapisa, Implementation Year: 2020

Studi Numerik Peningkatan Unjuk Kerja Termal Bangunan Dalam Penerapan Konsep Green Building Yang Ramah Lingkungan. Penelitian Unggulan Perguruan Tinggi Dasar, Leader: Remon Lapisa, Implementation Year: 2019

Rancang Bangun Smart Home Berbiaya Rendah, Hemat Energi Dan Tahan Gempa Pada Daerah Tropis Dan Rawan Bencana. Penelitian Unggulan Perguruan Tinggi Dasar, Leader: Krismadinata, Implementation Year: 2019

Aplikasi Integrasi Pembangkit Listrik Tenaga Surya Dengan Pemanas Surya Untuk Rumah Hemat Energi. Penelitian Terapan Unggulan Perguruan Tinggi, Leader: Krismadinata, Implementation Year: 2019

Community Service of the Last 5 Years

Rancang Bangun Pembangkit Listrik Tenaga Piko Hidro Sebagai Sumber Energi Berkelanjutan Ramah Lingkungan Bagi Masyarakat Ngalau Baribuik Batu Gadang Padang. Program Pengembangan Nagari Binaan (ppnb), Leader: Remon Lapisa, Implementation Year: 2022

Peningkatan Rasio Elektrifikasi Masyarakat Mendapatkan Layanan Listrik Di Ngalau Baribuik Kecamatan Lubuk Kilangan Kota Padang. Program Pengembangan Nagari Binaan (ppnb), Leader: Irma Husnaini, Implementation Year: 2022

Pkm Up-skilling Dan Re-skilling Kompetensi Mgmp Sumatera Barat Dalam Mendisain Gambar Teknik Mesin Menggunakan Software Inventor. Program Kemitraan Masyarakat (pkm), Leader: Arwizet Karudin, Implementation Year: 2021

Peningkatan Efektifitas Bahan Bakar Dan Waktu Perebusan Daun Gambir Melalui Inovasi Alat Perebus Daun Gambir Sistem Presto Di Kenagarian Kampung Baru Korong Nan Ampek Kecamatan Koto Xi Tarusan Pesisir Selatan. Program Kemitraan Masyarakat (pkm), Leader: Remon Lapisa, Implementation Year: 2021

Peningkatan Kompetensi Guru Smk Di Kota Padang Panjang Melalui Workshop Optimalisasi Penggunaan Teknologi Informasi. Program Kemitraan Masyarakat (pkm), Leader: Remon Lapisa, Implementation Year: 2019

Peningkatan Usaha Peternakan Ikan Melalui Aplikasi Teknologi Tepat Guna Mesin Pelet Ikan Di Kenagarian Lubuk Basung. Program Kemitraan Masyarakat (pkm), Leader: Bahrul Amin, Implementation Year: 2019

IPR's of the Last 5 Years

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Book of the Last 5 Years

Turbin air : pengantar dan aplikasinya di lapangan. ISBN: 9786021178638, Publisher: UNP Press, Year: 2020
