

PRESENTERS LIST OF THE 4TH BISSTE 2022

Wednesday, December 21, 2022



| No. | Topic | Code | Presenter | Authors | Title |
|-----|-------------|---------|---|---|---|
| 1 | Engineering | ABS-259 | Jody Arfha Yusda | Jody Arfha Yusda, R Setiati*, A Ristawati | Effect Of Pineapple Skin Eco Enzyme Concentration On The Middle Phase Emulsion In Enhanced Oil Recovery |
| 2 | Engineering | ABS-4 | Agus Setiawan | Pristi Sukmasetya, Agus Setiawan, Endah Ratna Arumi | Analyzing User Color Preferences and Characteristic On Websites Using Demographic Information |
| 3 | Engineering | ABS-264 | Purwono Hendradi | Firmansyah Jaka Pamungkas1,P Hendradi*1,2 , A Setiawan1, S N M Mohamad3 | VIRTUAL TOUR KAMPUS UNIMMA BERBASIS WEB MENGGUNAKAN TEKNOLOGI AUGMENTED REALITY |
| 4 | Engineering | ABS-10 | Yuan Perdana | Yuan Perdana- Hermansyah | Experimental Study Of Performance Comparison Of Lithium Iron Phosphate Batteries and Supercapacitors On Electric Motorcycles |
| 5 | Engineering | ABS-11 | Agri Suwandi, Budhi Muliawan Suyitno, Eka Maulana, Lutfi Gangsar Prayogo, Dahmir Dahlan | Agri Suwandi, Budhi Muliawan Suyitno, Eka Maulana, Lutfi Gangsar Prayogo, Dahmir Dahlan | Analysis of Magnetic Pattern Distribution in a Mini-Permanent Magnetic Power Plant to Produce Optimal Electricity |
| 6 | Engineering | ABS-268 | Nahdi Saubari | Nahdi Saubari, Wang Kurfeng | Assessing Deep Learning Model Using AlexNet for Water Traffic Counting in Martapura River |
| 7 | Engineering | ABS-13 | I Nyoman Suamir | I Nyoman Suamir(1), Made Ery Arsana(1), Ida Ayu Elistyawati(2) | Potential Use of Refrigerated Distiller in Improving Quality Consistency and Productivity of Balinese Distilled Drink |
| 8 | Engineering | ABS-14 | Anita Setyowati Srie Gunarti | Anita Setyowati Srie Gunarti (*), Yulvi Zaika, Septyan Adi Kuntoro, As^ad Munawir, Eko Andi Suryo, Harimurti | Improvement of the Bearing Capacity and Swelling of Ciampel Expansive Soil using Waste Foundry Sand |
| 9 | Engineering | ABS-270 | Herma Fanani Agusta | Erma Ari Widiati1*, Sennya Ardirra1, Listiana Luthfianti1, Hidayah Rochmiyanti1, Prasojo Pribadi2, Herma Fanani Agusta*1 | PHARMACY STORE ONLINE WEBSITE ANALYSIS USING SIMILARWEB |
| 10 | Engineering | ABS-16 | Suwaryo Nugroho | Suwaryo Nugroho1,2, Rofiaty2, Nurofiq2, Surachman2 | The Relationships Between Supply Chain Resilience and Firm Performance: The mediation Role of Digital Innovation |
| 11 | Engineering | ABS-18 | Andri Kurniawan Kurniawan | Suparno (a*), Andri Kurniawan (b), Ferry Bayu Setiawan (c), Risky Setiyadi (d) | DESIGNING AND BUILDING OF COCOPEAT AND COCOFIBER MACHINE WITH 15 KG/HOUR CAPACITY |
| 12 | Engineering | ABS-274 | Nafa Umma | Novita Putri Dewita Sari 1 , Nafa Umma 1, Riza Nur Afifah 1 , Maulana Yusuf Baharudin 1 , Prasojo Pribadi 1.2* , Setiyo Budi Santoso 1.2* | Whatsapp Bot Based Drug Consultation Prototype |
| 13 | Engineering | ABS-19 | Asep Saepudin | Asep Saepudin*, Asep Dharmanto, Hilman Sholih | Design And Construction Of 450 Va Permanent Magnetic Sync Generator For Vertical Axis Wind Power Generator House Scale With Low Wind Speed |
| 14 | Engineering | ABS-276 | Sulthoni Amri | Sulthoni Amri, Rini Setiati*, Boni Swadesi | Terrafloc Polimer Application to Increase Oil Recovery |
| 15 | Engineering | ABS-21 | I Wayan Temaja | I Wayan Temaja, I Nyoman Suamir, I Ketut Rimpung and I Nyoman Suparta | Seasonal Energy Efficiency of Split AC Systems Applied for Different Regions Across Indonesia Archipelago: a Numerical Approach |
| 16 | Engineering | ABS-277 | Edy Kurniawan | Edy Kurniawan, Zaenal Arifin | Smart Farming as an effort to fulfill people's food independently |
| 17 | Engineering | ABS-23 | Miftahul Imtihan | Miftahul Imtihan, Verry Surya Hendrawan, Ari Hartono | Design of heater control equipment in interface mill product part separator process |
| 18 | Engineering | ABS-24 | Iskandar | Iskandar, Umar Tsani Abdurrahman, Mohamad Anas Sobarnas, Nanik Wuryani | Student face recognition optimization utilizing the k-nearest neighbor method and particle swarm optimization in testing models and mobile devices |
| 19 | Engineering | ABS-25 | I Nyoman Suamir | I Nyoman Suamir (1,a), I Wayan Adi Subagia (1,b), I Dewa Made Susila (1,c), Ketut Bangse (1,d) and Adi Winarta (1,e) | Performance of Small Commercial AC System with R-32 Applied for Educational Building in Tropical Country: A Thermodynamic Simulation |
| 20 | Engineering | ABS-282 | Dewi Wahyuningtyas | Dewi Wahyuningtyas (1*), Suparni Setyowati Rahayu (2), Gatot Santoso (3), Anak Agung Putu Susastriawan (4), Samuel Kristiyana (5), Satriawan Dini Hariyanto (6) | Household Waste Management Technology as Compost Using Effective Microorganisms and Shredded Plastic at the Ngawu Asri Waste Treatment Site Gunungkidul Regency |
| 21 | Engineering | ABS-283 | Agung Pamungkas | Agung Pamungkas (a*), Lobes Herdiman (b), Susy Susmartini (b) | EMG Signal Characteristics Mapping of Flexor Carpi Radialis Muscle in Post Stroke Patients and Normal Individuals Using Time Domain and Frequency Domain Feature Extraction |
| 22 | Engineering | ABS-28 | Gina Lova Sari | Gina Lova Sari(a*), Ahsanal Kasasiah(b), Marsah Rahmawati Utami(b), Ikhwanussafa Sadidan(a), Nur Ridha Amethysia(d) | Oil and grease contamination of raw water for drinking purpose in irrigation canals at Karawang Regency |
| 23 | Engineering | ABS-284 | Novi Laura Indrayani | Novi Laura Indrayani, Riri Sadiana, Dicky Ramdani | OPTIMIZATION OF UNSATURATED POLYESTER RESIN MATRIX COMPOSITE MATERIALS REINFORCED BANANA (MUSA BALBISIANA) FRONDS COMPOSITION TOWARDS TENSILE TEST |
| 24 | Engineering | ABS-30 | I Putu Sastra Negara | I Putu Sastra Negara (1,a), I Nyoman Suamir (1,b), and I Wayan Suirya (1,c) | Evaluation on the Potential Production of Horizontal Moulding Crystal Clear Ice Block Applying One Direction Heat Absorption |
| 25 | Engineering | ABS-32 | Roosdinal Umar | Roosdinal Umar (a*), Istiroyah (a), Herry Purnomo (b), Dandy Ramadhan Tri Hutomo (a), Yuroman (c), Mohamad Baiquni (d) | The Effect of Elevated Temperature on The Mechanical and Morphological Properties of Aramid and Carbon Fiber Reinforced Epoxy /MWCNTs |
| 26 | Engineering | ABS-37 | asril pramutadi andi mustari | Asril Pramutadi Andi Mustari, Stefany Imanuel Sihombing, Anni Nuril Hidayati | Simulation of Fluid Sloshing in Core Catcher for Nuclear Accident Using Moving Particle Semi-Implicit Method |

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Wednesday, December 21, 2022



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| 27 | Engineering | ABS-38 | asril pramutadi andi mustari | Asril Pramutadi Andi Mustari, Virgo Eben, Muhammad Rizqie Arbie | Study of Thickness Effect on Freeze-Valve Scheme for MSR (Molten Salt Reactor) Safety System |
| 28 | Engineering | ABS-296 | Agus Supardi | Agus Supardi, Muhammad Maskur Abdulah | Development of an Arduino-Based Monitoring System for Pico-Hydro Power Plants |
| 29 | Engineering | ABS-298 | Sunarto Sunarto | Sunarto 1, Tri Sulistyaningasih2, Umi Kulsum3 | Smart Waste Management in IoT-Based Urban Waste Management in Surabaya City |
| 30 | Engineering | ABS-302 | Alvin Damara | Alvin Damara (a), Budi Waluyo(b), Saifudin(b) | COMBUSTION VELOCITY CONSTANT OF GASOLINE - METANOL - (ETHANOL) MIXTURE USING THE SINGLE DROPLET COMBUSTION METHOD |
| 31 | Engineering | ABS-303 | ABEL MALVIN PUTRA HIA | Abel Malvin Putra Hia, Dr. Dra. Suparni Setyowati Rahayu, M.Si, Dr. Muchlis, SP., M.Sc | Engineering For Making Commercial Compost Fertilizer Of Oyster Mushroom Waste Baglog Using Molasses Activator In Efforts To Implement Green Economy |
| 32 | Engineering | ABS-49 | Butje Alfonsius Louk Fanggi | Butje A. Louk Fanggi, Obed O. N. Nenobais, Ambrosius R. L. Wayan | Effect of concrete strength and FRP layer on FRP-Confined Artificial Lightweight Aggregate Concrete |
| 33 | Engineering | ABS-305 | Aris Rakhmadi | Aris Rakhmadi | Comparative Analysis of E-learning Methods to Improve Students English Outcome during COVID 19 Pandemic Period |
| 34 | Engineering | ABS-306 | Muhammad Latifur Rochman | Muhammad Latifur Rochman (a,b*), Dimas Riki Romadhon(b,c), Rama Pradana Aditya(b,c), Prima Nofan Ryastama(b,c), Damar Setyo Prakasa(b,c), Ahmad Tresno Adi(a,b), Dhasa Ikrar Setyanansyach(a,b), Muji Setiyo(a,b,c) | Cooling effect characteristic of half-cycle refrigeration system on a liquefied petroleum gas (LPG) fueled vehicle to transport agricultural products |
| 35 | Engineering | ABS-308 | Febri Kurniawan | Febri Kurniawan(a), R Arri Widyanto(b*) | Dijkstra Algorithm Implementation to Determine the Shortest Route to Hospital: A Case Study in Magelang District Indonesia |
| 36 | Engineering | ABS-310 | Suparni Setyowati Rahayu | Suparni Setyowati Rahayu (a*), A.A.P. Susastriawan (b), Beny Firman (c), Suminah (d), Okid Parama Astirin (e) | Organic Waste Recycle For Production Of Green Biogas Energy |
| 37 | Engineering | ABS-311 | Istianto Budhi Rahardja | Istianto Budhi Rahardja, Azhar Basyir Rantawi, Hendra Saputra, Dian Oktavia Pambudi | The Quality Control of Refinery Bleaching Deodorize Palm (RBDP) Olein with variations of Phosphoric Acid (H3PO4) and Bleaching Eart (BE) |
| 38 | Engineering | ABS-313 | Nafa Umma | Novita Putri Dewita Sari 1 , Nafa Umma 1, Riza Nur Afifah 1 , Maulana Yusuf Baharudin 1 , Prasjojo Pribadi 1.2* , Setiyo Budi Santoso 1.2 | Prototype Whatsapp Bot Based Drug Consultation |
| 39 | Engineering | ABS-314 | Andi Widiyanto | Dimas Ahmarezza, Andi Widiyanto, Setiya Nugroho | Automatic Odor Control System In Broiler Chicken Coops Using MQ-135 And DHT 11 Sensors |
| 40 | Engineering | ABS-60 | Latifa Mirzatika Al-Rosyid | Latifa Mirzatika Al-Rosyid (1*), Sarwoko Mangkoedihardjo (2), Sawitri Komarayanti (3) | Toxicity of Various Organic Substances in Wastewater and Evaluated on Daphnia magna |
| 41 | Engineering | ABS-316 | Ratnanto Fitriadi | Ratnanto Fitriadi 1), Arif Farhan Syach 2), Afiqoh Akmalia Fahmi 1), Etika Muslimah 1), Indah Pratiwi 1) | Ergonomic Approach: Posture Analysis and Design of Activity Aids for The Elderly |
| 42 | Engineering | ABS-319 | Hendrawan Candra Purnama | Hendrawan Candra Purnama (1*)- Susy Susmartini (2)- Lobes Herdiman (2) | Implementation of Predictive Maintenance on Defense Radar Using the FMECA Method and PHP Software to Support Maintenance Action Decision Making. |
| 43 | Engineering | ABS-321 | Raden Hengki Rahmanto | Raden Hengki Rahmanto, Yopi Handoyo, Fahrizal Zain Asrori | PERFORMANCE ANALYSIS OF STIRLING ENGINE TYPE ALPHA USING THERMODYNAMIC APPROACH BASED ON SCHMIDT THEORY |
| 44 | Engineering | ABS-323 | Hendrawan Candra Purnama | Hendrawan Candra Purnama (1*)- Lobes Herdiman (2)- Susy Susmartini (2) | Maintenance Improvement Through Implementation of RCM and FMECA on Cooling Unit Radar System |
| 45 | Engineering | ABS-68 | Suroto Munahar | Suroto Munahar, M.Munadi, Bagiyo Condro Purnomo, Husni Rakhmawan Fatoni | Development of Driver Behavior Research on Vehicles: Article Review |
| 46 | Engineering | ABS-326 | Yuli Priyana | Yuli Priyana (a*), Nada Salsabila Firdaus (a,b), Jumadi (a), Choirul Amin (a), Hamim Zaky Hadibasyir (a,b) | Comparative Analysis of Land Surface Temperature Before and During the Large-Scale Social Restrictions Due to Covid-19 In Jabodetabek, Indonesia |
| 47 | Engineering | ABS-71 | Andi Lamappasessu | Andi Lamappasessu (a), Dwi Rahmalina (a*) | Development of Bamboo Materials for Body Speed Boat Application |
| 48 | Engineering | ABS-328 | Pristi Sukmasetya | Pristi Sukmasetya- Muhammad Resa Arif Yudianto- Rofi Abul Hasani | The importance of gamification to increase public participation in waste management system |
| 49 | Engineering | ABS-73 | Indah Hartati | Wahyudi Budi Sediawan1, Indah Hartati2*, Hary Sulisty01, Muhammad Mufti Azis1 | A Review and Bibliometric Analysis on Essential Oil Nanoencapsulation |
| 50 | Engineering | ABS-74 | Ririn Suharsih | Sutadi Triputra, Ririn Suharsih, Utan Sahiro Ritonga, Alghif Aruni Nur Rukman, Eni Kusumawati | Design of The Real Time Image Capture Feature for Vegetable Production in Sharia Based E-Commerce |
| 51 | Engineering | ABS-330 | Andry Prima | Andry Prima1, Havidh Pramadika1, Wiwik Dahani2, Astri Rinanti3, Prana Ugiana Gio4 | The Direction of the City Gas as Clean Energy in Indonesia with the Work Force as the Moderator |
| 52 | Engineering | ABS-331 | Aprilia Putri Nardilasari | Ilham Fariz Asya1,a*) , Tukino 2,b*) , Baenil Huda3,c), Aprilia Putri Nardilasari4,d), Risa Nur Islami5,e), Muhammad Khaerudin 6,f) | Sentiment Analysis of the Maps Application uses the SVM method and Predicts the Growth of Maps Application Users |

PRESENTERS LIST OF THE 4TH BISSTE 2022

Wednesday, December 21, 2022



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|-----|-------------|---------|---|---|--|
| 53 | Engineering | ABS-332 | Muhammad Taufiq Fathaddin | Muhammad Taufiq Fathaddin ^{1*} , Alvita Kumala Sari ¹ , Daddy Sutansyah ¹ , Baiq Maulinda Ulfah ² , Dwi Atty Mardiana ¹ , Pri Agung Rakhmanto ¹ , Sonny Irawan ³ | Application of Artificial Neural Networks for Predicting Relative Permeability in Talang Akar Formation in Field X |
| 54 | Engineering | ABS-78 | Anis Arendra | Sabarudin Akhmad (1), Anis Arendra (2*), Mualim Mualim (1) and Rachmad Hidayat (1) | From Waste to Energy: Characteristics of Bio-Briquettes Made from Waste Cassava Peel, Water Hyacinth, and Sawdust |
| 55 | Engineering | ABS-79 | Wahyu Caesarendra | Iffah Syafiqah Abdul Ghani, 1,*Wahyu Caesarendra, 1Juliana Zaini, 2Nur Uddin | 3D Object Detection using Cost-Effective Method |
| 56 | Engineering | ABS-80 | Wahyu Caesarendra | Usman Ependi, 2Adi Wibowo, 3Darius Antoni, 4,*Wahyu Caesarendra | Sentiment Analysis of Covid-19 Based on Lexicon Weight and Machine Learning Algorithm (Case Study: Brunei Darussalam) |
| 57 | Engineering | ABS-83 | Dessy Lestari Saptarini | Dessy Lestari Saptarini, Rahmat Hidayatullah, Teguh Suprianto, Abdi Maruli | Effect of transport road slope on fuel consumption of coal mine transport truck |
| 58 | Engineering | ABS-339 | Roslina | Roslina, Ismael, Andam L, Dina A S, Hasnah J N, Bayu A, Abiyyu S, Dame U S | Implementation of the Project Based Learning Model at Politeknik Negeri Medane Just Try to Submit This Sample Abstract |
| 59 | Engineering | ABS-86 | Intan Purnamasari | Intan Purnamasari, Vira Kristianingrum, Apriade Voutama | Use Of Design Thinking Approach On System Application Ui/Ux Design Based On Unsika Academic Information Mobile |
| 60 | Engineering | ABS-87 | Riki, Bagas Dwi Nur Sasongko, FA. Rusdi Sambada | Riki (a) Bagas Dwi Nur Sasongko (a), FA. Rusdi Sambada (a*) | THE EFFECT OF THE CAPILLARITY ON THE EFFICIENCY OF WICK-TYPE SOLAR ENERGY WATER DISTILLATION |
| 61 | Engineering | ABS-343 | Rahmadita | Rahmadita (a), Popi Puspitasari (a) | PERCEPTIONS REGARDING COMPLETION OF TECHNICAL REQUIREMENTS FOR BUILDING LICENSE BY USING ^USG^ ANALYSIS |
| 62 | Engineering | ABS-344 | Uky Yudatama | Uky Yudatama (*a), Siti Puryandani (b) | Important Elements in Green Human Resource Management: An Analytical Approach Using a Fuzzy Interpretive Structural Model |
| 63 | Engineering | ABS-94 | Willy Akhsani Taqvim | Willy Akhsani Taqvim (a), Kuncoro Diharjo (a*), Bambang Kusharjanta (a) | Effect of Pumice-Based Nanosilica and Sodium Silicate Addition on Impact Strength of GFRP Composite |
| 64 | Engineering | ABS-350 | Mukhtar Lutfie | Mukhtar Lutfie ¹ , Adryan Winardi Latuba ² , And Diah Indradewi ³ | REVIEW OF K-250 CONCRETE COMPRESSIVE STRENGTH USING MIX DESIGN MANUAL ON DEVELOPMENT PROJECTS CONTINUED TALUD AIRPORT OF SYUKURAN AMINUDDIN AMIR LUWUK |
| 65 | Engineering | ABS-97 | Ghulam Asrofi Buntoro | Ghulam Asrofi Buntoro(a), Indah Puji Astuti(a*), Wahna Widhianingrum(b) | Web-Based Knowledge Management System Design on Micro, Small Medium Enterprise (MSMEs) Reog Ponorogo |
| 66 | Engineering | ABS-355 | Muhammad Resa Arif Yudianto | Muhammad Resa Arif Yudianto (a*), Pristi Sukmasetya (a), Rofi Abul Hasani (a), Maimunah (a) | Aspect-Based Sentiment Analysis of Borobudur Temple Reviews use Artificial Neural Network Algorithm |
| 67 | Engineering | ABS-362 | Rofi Abul Hasani | Rofi Abul Hasani, Pristi Sukmasetya, Muhammad Resa Arif Yudianto, | Pattern Analysis of Stunting Factors in Toddlers using data mining method the a priori algorithm |
| 68 | Engineering | ABS-363 | Catur Rahmawati | Ardhin Primadewi, Catur Rahmawati | Design and Implementation of Innovation Management Information System |
| 69 | Engineering | ABS-368 | Shintaya Ausi | Shintaya Ausi (1), Popi Puspitasari*(2) | BEHAVIOR MAPPING: PATTERN AND TERRITORY OF USE OF PUBLIC OPEN SPACE (Case: Serang City Square) |
| 70 | Engineering | ABS-376 | Baiq Maulinda Ulfah | Baiq Maulinda Ulfah ^{1,2} , Muhammad Taufiq Fathaddin ^{2*} , Rini Setiati ² , Dyah Rini Ratnaningsih ³ , Abdi Suprayitno ¹ , Rohima Sera Afifah ¹ , Firdaus ¹ , Hamriani Ryka ¹ | Chitosan from Shrimp Shell Waste as Biopolymer in the EOR Method: Literature Review |
| 71 | Engineering | ABS-122 | William Ferdi Famgeorgy | (1) William Ferdi Famgeorgy, (2) Stefan Mardikus, M.T., (3) Natanael Bima Anansa. | Airlift Pump Investigation Using Variation of Nozzle Diameter Based on Computational Fluid Dynamics |
| 72 | Engineering | ABS-123 | Natanael Bima Anansa | (1) Natanael Bima Anansa, (2) Stefan Mardikus, (3) William Ferdi Famgeorgy | Airlift Pump Investigation using Variation on Pipe Diameter Based On Computational Fluid dynamics |
| 73 | Engineering | ABS-124 | Muhammad Firdaus Jauhari | Muhammad Firdaus Jauhari (a*)- Rusmini Sri Maryati (a)- Saberani (a)- Norhafani (a)- Raihan (a)- Muhammad Arsyad (a) | PLC and HMI Application for Fuel Mode Switch on Automobile Engine Gasoline-LPG System |
| 74 | Engineering | ABS-382 | Setiya Nugroho | Sayogyo Pangestu, Setiya Nugroho, Nuryanto | ANDROID-BASED MONITORING AND METER RECORDING APPLICATIONS |
| 75 | Engineering | ABS-383 | Saifudin Saifudin | Herlang Miifah Anantama ¹ , Erika Achmad Fuad ¹ , Budi Waluyo ¹ , Saifudin ^{1*} | Improved Engine Performance Using Ozone Generator |
| 76 | Engineering | ABS-131 | Yotam Stefanditya | Yotam Stefanditya, Felicia Maya Puspita Anastasya Kusbagyo, Agus Kurniawan, Bayu Prabandono | Design Development of Rocket Stove with Computational Fluid Dynamics (CFD) Simulation |
| 77 | Engineering | ABS-132 | Anita Setyowati Srie Gunarti | Elma Yulius, Fanis Setiawan, Sri Nuryati, Anita Setyowati Srie Gunarti(*) | Modeling and Simulation of Flow through The Construction of River Cover Embankment: Case Study of Sei Wampu Weir, Langkat Regency, Indonesia |
| 78 | Engineering | ABS-145 | Wawan Purwanto | Wawan Purwanto, Ahmad Arif, Martias, Hendra Dani Saputra, Yolana Nursyafti, Alif Adrilana | The Impacts of Water Injection Application on the Performance of Internal Combustion Engines |
| 79 | Engineering | ABS-156 | Eko Darma | Eko Darma*, Jaka Muslim Nuranto, Fajar Prihesnanto | Tension Strength Between Steel Bars and Steel Bars with Drate Couplers Connection |

PRESENTERS LIST OF THE 4TH BISSTE 2022

Wednesday, December 21, 2022



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|-----|---------------|---------|---------------------------------------|--|--|
| 80 | Engineering | ABS-157 | Daniel Aldebaran | Daniel Aldebaran (a), Annisa Bhikuning (a)*, Muhammad Hafnan (b) | Study The Performance and Emissions of Deionized Water Fuel in Diesel Engine |
| 81 | Engineering | ABS-159 | Mentari Putri Jati | Mentari Putri Jati (a*), Muhammad Rizani Rusli (b), Yibelal Chanie Manie (c), Peng Chun Peng (c) | Reliable Performance of Field Oriented PMSM Control using SVPWM Under Dynamic Speed and Load Disturbance. |
| 82 | Engineering | ABS-162 | Jefa Danar Indra Wijaya | Jefa Danar Indra Wijaya (a), Annisa Bhikuning (a)*, Muhammad Hafnan (b) | Bibliometric Review: Study of Engine Knocking in Fuels During 2013-2022 |
| 83 | Engineering | ABS-418 | Khalishah Ardy | Khalishah Ardy, Mohammad Ischak | Spatial Segregation in Residential Areas in Bekasi, Case Study: the area around Puri Gading Housing |
| 84 | Engineering | ABS-419 | Maimunah Maimunah | Maimunah | Application of Machine Learning Methods for The Prediction of Waste Collection |
| 85 | Engineering | ABS-420 | Muhammad Iqbal Al Ghozali | Muhammad Iqbal Al Gohzali, Endah Ratna Arumi, Agus Setiawan | Fuzzy-based approach to evaluate experience of online learning systems |
| 86 | Engineering | ABS-165 | Andreas Prasetyadi, Wibowo Kusbandono | Andreas Prasetyadi (a*), Wibowo Kusbandono (a) | High Performance Oven for Coconut Shell Charcoal Drying |
| 87 | Engineering | ABS-166 | Kuntang Winangun | Kuntang Winangun1,2, Atok Setiyawan1, Ghulam Asrofi Buntoro3, Bambang Sudarmanta1)* | Performance in Diesel Dual Fuel Engines Use Biodiesel And Hydrogen Gas |
| 88 | Engineering | ABS-171 | Muhamad Rifqi Putra Syah | Muhamad Taufik Ulhakim (a), Sukarman (a*),Muhamad Rifqi Putra Syah (a), Ghazi Tikamori (a), Khoirudin (a), Amir (a), Nana Rahdiana (b), Ade Suhara (b), Aprilia Hananto (c), Ahmad Fauzi (c) | Preliminary Studies of Hydro Power Plant using Laboratory-Scale Pelton Turbine: Speed-Variable Controlled and Their Effect on Electrical Power |
| 89 | Engineering | ABS-429 | Nofa Ardhana | Nofa Ardhana1, Annisa Sholiah1, Bambang Pujiarto2, Bagiyo Condro Purnomo2, Barkah Susanto3, Budi Waluyo2ease Just Try to Submit This Sample Abstract | High-Efficiency Waste Heating Devices Without Electrical Energy |
| 90 | Engineering | ABS-174 | Hidayat Hidayat | Hidayat Hidayat (a*), Andi Amijoyo Mochtar (b), Sudarsono Sudarsono (c), MF Andrijasa (d) | Measurement of Diesel Fuel Volume Using a Smart Device for Heavy Equipment Units |
| 91 | Engineering | ABS-435 | Indah Hartati | Indah Hartati1, Laeli Kurniasari1, Farikha Maharani1, Vita Paramita2 | FOAM MAT DRYING OF SWEET POTATO PUREE |
| 92 | Engineering | ABS-185 | FA. Rusdi Sambada, I Gusti Ketut Puja | FA. Rusdi Sambada(a*), I Gusti Ketut Puja (a) | A New Method Of Controlling Inlet Water Flow Rate In Solar Energy Water Distillation |
| 93 | Engineering | ABS-190 | Ika Zuwana | Ika Zuwana (a), Medyan Riza (b*), Sri Aprilia (b), Yanna Syamsuddin (b) | Influence of Filler Concentration on Mechanical and Thermal Properties of Whey Protein Isolate/Silica Biocomposite Film |
| 94 | Engineering | ABS-202 | Ikhsan Romli | Ikhsan Romli, Bermawi Priyatna Iskandar | A Review on Real Driving Cycle-Based State of Charge Prediction for EV Batteries |
| 95 | Engineering | ABS-212 | tukino tukino | Tukino 1,a*) , Baenil Huda2,b), Agus Hananto3,c) Hendry 4,d) , Eko Sedyono 5,e), Saepul Aripriyanto6,f) | Game Knowledge Model Development Indonesian Traditional Approach On-To-Knowledge |
| 96 | Engineering | ABS-213 | Nur Kholis | Nur Kholis (a), Helmy Purwanto (a*), Darmanto (a), Muhammad Faiz Fadhillah (a) | Microstructure And Mechanical Properties Of Friction Stir Welding On Aluminum AA1100 With Tool Pin Profile Paramater |
| 97 | Engineering | ABS-216 | Najmul Hidayat | Najmul Hidayat, Dr. Ir. Sudarmadji, M.T. | A numerical study of Al2O3 -TiO2 hybrid nanofluid on radiator performance |
| 98 | Engineering | ABS-232 | Gina Lova Sari | Gina Lova Sari(a*), Linda Riski Sefrina(b), Rizal Hanifi(c), Sethiavi Rizki(a), Ayya Sophia Samad(a) | The effect of organic waste type as feed and cultivation period on nutritional value of maggot during maggots farming process |
| 99 | Engineering | ABS-236 | Heru Supriyono | Heru Supriyono1, Raden Adrian Rafli Prasetyo 1, Adi Sasono1, Mahmud Iwan Solihin2 | Prototype of Battery Monitoring System for Gasoline Vehicle using Microcontroller Module |
| 100 | Engineering | ABS-244 | Eko Muh Widodo | Naufal Ammar Zada, Eko Muh Widodo, Suroto Munahar, Tuessi Ari Purnomo | Economic Consequence Analysis Model on CNG Charging Station Using Risk Based Inspection (RBI) Method |
| 101 | Engineering | ABS-245 | TRI HANNANTO SAPUTRA | Tri Hannanto Saputra, Fenty Pandansari, FX. Suryadi | Digital Scales Based On Arduino Uno for Parents and Children via android and PC applications |
| 102 | Engineering | ABS-247 | Agus Ulinuha | Agus Ulinuha, Hasyim Asy^ary, Umar Hasan, Bayu A. Saputra | The application of PVSyst for design of solar photovoltaic power generation at school building |
| 103 | Engineering | ABS-248 | Dr. Hariyadi | Hariyadi, Mohammed A. S. Algoul, Ayed Ahmad Zuhud, Jauhar Fajrin | Characteristics of mortar composed of crushed solid waste of roof tiles as partial replacement of fine aggregate |
| 104 | Engineering | ABS-249 | Seta Samsiana | Seta Samsiana*, Syamsul Arifin | MACHINE LEARNING ALGORITHMS FOR PREDICTING FACITIOUS DISORDER USING THE LEARNING VECTOR QUANTIZATION METHOD |
| 105 | Engineering | ABS-250 | Agus Ulinuha | Agus Ulinuha, Agita Cahya R. | The comparison of electric motor performance in powering electric motorcycle |
| 106 | Engineering | ABS-254 | Hanny Maria Caesarina | Hanny Maria Caesarina | The Challenge of Slum Upgrading Plan in Urban Area: a Case Study of Dirgahayu Village, Kotabaru, Indonesia |
| 107 | Life Sciences | ABS-292 | Iradhatullah Rahim | Iradhatullah Rahim, Rustan, Nur Ananda, Sukmawati, Muh. Iqbal Putera, Suherman | Application of cocoa pod extract compost with the addition of biochar and Pleurotus sp to shallots on saturated land |

PRESENTERS LIST OF THE 4TH BISSTE 2022

Wednesday, December 21, 2022



| No. | Topic | Code | Presenter | Authors | Title |
|-----|----------------------|---------|-------------------------------|---|---|
| 108 | Life Sciences | ABS-327 | Silvia Oktavia Nur Yudiastuti | Silvia Oktavia Nur Yudiastuti, Anna Maria Handayani, Annisa ^u Choirun, Resti Pranata Putri, Findi Citra Kusumasari, Yossi Wibisono, Agung Wahyono | An economic added value analysis of ready-to-drink prebiotic candidate milk |
| 109 | Life Sciences | ABS-93 | Aldo Novaznursyah Costrada | Aldo Novaznursyah Costrada, Elis Agustiana, Nina Siti Aminah, Mitra Djamal | Determination of Tsunami Evacuation Route using Dijkstra Algorithm: Case Study of Batu Karas, Indonesia |
| 110 | Life Sciences | ABS-151 | Yunus Arifien | Yunus Arifien, Tun Susdiyanti dan Fathan Hadyan Rizky | The Effect of Mulching on Surface Runoff and Soil Water Content During the Growing Season of Upland Rice in Latosol Kemang, Bogor |
| 111 | Life Sciences | ABS-154 | Ardhana Januar Mahardhani | Ardhana Januar Mahardhani, Sulton, Hadi Cahyono, Ambiro Puji Asmarolini | Disaster Management and Citizens Value as the Basic Policy in Dayakan Village Indonesia |
| 112 | Life Sciences | ABS-199 | Ambarwati Ambarwati | Ambarwati Ambarwati, Broto Santoso, Aan Sofyan | Phylogenetic analysis of bacteria producing antimicrobial agent isolated from Kukup Sand Beach |
| 113 | Other Related Topics | ABS-267 | Mohammad Riza Radyanto | Mohammad Riza Radyanto- Enty Nur Hayati- Firman Ardiansyah Ekoanindyo | Theoretical Framework for the Application of Data Analytics in Measuring Small Business Performance in Indonesia |
| 114 | Other Related Topics | ABS-289 | Ratna Wulaningrum | Ratna Wulaningrum (a*), Venti Eka Satya (b), Dwi Cahyadi (c) | Local Government Spending on Information and Communication Technology |
| 115 | Other Related Topics | ABS-39 | Ikhwanussafa Sadidan | Ikhwanussafa Sadidan, Gina Lova Sari, Ahsanal Kasasiah, Marsah R Utami, Nur Ridha Amethysia | Study Of Physical And Chemical Properties And Raw Water Quality Of Clean Water Sources In The Citarum River Irrigation Area In Karawang, West Java, Indonesia |
| 116 | Other Related Topics | ABS-40 | I Wayan Suardana | I Wayan Suardana1, I Ketut Muka2, I Made Ruta3 | Implication of Technology in Traditional Sculpture Production in Batubulan Village Sukawati Bali |
| 117 | Other Related Topics | ABS-315 | Choirul Amin | Choirul Amin, Bela Hidayah, Dewi Novita Sari, Kuswadi Dwi Priyono, Agus Anggoro Sigit | Investigating Spatial Correlation Between COVID-19 Incidence and Poverty in Klaten Regency, Central Java |
| 118 | Other Related Topics | ABS-76 | Andreas James Darmawan | Andreas James Darmawan, I Wayan Mudra, I Ketut Suteja | Creation Process and Visual Aesthetics at Jesus and Mary Images in Balinese Wayang Characters |
| 119 | Other Related Topics | ABS-82 | Adhi Indra Hermanu | Adhi Indra Hermanu(1,2), Diana Sari(1), Mery Citra Sondari(1), and Muhammad Dimiyati(3) | ANTASEDENT PREPARATION OF RESEARCH PERFORMANCE EVALUATION INSTRUMENT |
| 120 | Other Related Topics | ABS-85 | Intan Purnamasari | Intan Purnamasari, Budi Arif Dermawan | Village Potential Analysis Based On The Developing Village Index Using The Fuzzy Logic Method (Case Study: Village In Cikampek District, Karawang District) |
| 121 | Other Related Topics | ABS-128 | Budi Arif Dermawan | Budi Arif Dermawan (a*), Nani Awalia (a), Aries Suharso (a), Anis Fitri Nur Masruriyah (b) | The Identification of Early Blight Disease on Tomato Leaves Utilizing Densenet Model Based on Transfer Learning |
| 122 | Other Related Topics | ABS-388 | Samsu Adi Rahman | Samsu Adi Rahman, Frederik Dony Sangkia, Fitriani A. Larekeng | Using of Liquid Fermentation of Avicennia marina Mangroves Leaves in Combination of Temperature on Seaweed Kappaphycus alvarezii in Controlled Media |
| 123 | Other Related Topics | ABS-397 | Mila Faila Sufa | Mila Faila Sufa, Dyah Kurnia Sari | ANALYSIS OF MENTAL WORKLOAD AND FATIGUE OF PACKER UNIT OPERATORS USING NASA-TLX AND SOFI METHODS |
| 124 | Other Related Topics | ABS-158 | Hardy Adiluhung | Hardy Adiluhung, I Wayan Mudra, Arini Arumsari | Design of Stroom Electric Motorcycle Body Design |
| 125 | Other Related Topics | ABS-436 | Fidaul Lely Puji Rahayu | Fidaul Lely Puji Rahayu, Mulidi, Adilnia Fifi Susanti, Dinar Damayanti Saefullah Putri, Riska, Eko Kurniasih Pratiwi | Ecogreen Development Through the Oxygen Waqf Program: Bandongan Lazismu Studies |
| 126 | Other Related Topics | ABS-193 | Jumadi | J. Jumadi, Vidya N. Fikriyah, Hamim Z. Hadibasyir, Muhammad I. T. Sunariya, Dewi Novitasari, Yuli Priyana, Umrotun Umrotun, Khusna Furoida, Darin T. Madani, Dodik Nursanto, Ainul Akmar Bt Mokhtar | Accessibility of Healthcare Services of COVID-19 and Its Impact on Fatalities in Jakarta, Indonesia |
| 127 | Other Related Topics | ABS-206 | Danardono | Danardono (*)- Taryono: M. Syaifuddin Al-Faqih | Integrating Remote Sensing (RS) and Geographic Information System (GIS) for Carbon Sequestration Monitoring in Tropical Watershed |
| 128 | Other Related Topics | ABS-220 | Yuni Listiana | Yuni Listiana (a), Liliiek Susilowati (a*), Slamim (b) | A Graph with Central and Local Reference Set |
| 129 | Physical Sciences | ABS-329 | Analianasari | A Analianasari, Taufik Nugraha Agassi, and M. Perdiansyah Mulia Harahap H | Evaluation of Coffee Bean Defects, Taste, and Caffeine Content of Premium Ground Coffee in Three Small and Medium-sized Industries in Kebun Tebu West Lampung |
| 130 | Physical Sciences | ABS-77 | joko yunianto prihatin | Joko Yunianto Prihatin1, a), Heri Kustanto1, b), Slamet Pambudi2, c) and Lujeng Widodo3, d) | The Study Calorific Value of Organic Briquettes for Optimizing Healthy Food Drying as an Alternative to Rainy Weather |
| 131 | Physical Sciences | ABS-169 | Afiat Anugrahadi | Afiat Anugrahadi, 1 Surya Darma Hafiz, 2 Djordy Imanuel Liusvia, 1Al Zahra Putri, 1 Sona Agustin | GEOMORPHOLOGIC UNITS AT THE AMPHITHEATER STRUCTURES WITH 3D DEM IN THE REGION OF KARANSAMBUNG, KEBUMEN, CENTRAL JAVA |