

# **2020 Third International Conference on Vocational Education and Electrical Engineering (ICVEE 2020)**

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## PARALLEL SESSION TIMETABLE ICVEE

**Saturday, October 3, 2020**

Room 1

Moderator 1 IGP Asto Buditjahjanto

2 Lilik Anifah

No	Page #	Paper Title	Time (GMT +7)
1	1	Differences Between Students from Senior High School and Vocational School in the Learning Outcomes of Electrical Engineering Students	14.30-14.45
2	N/A	absent	
3	6	Combining the Unsupervised Discretization Method and the Statistical Machine Learning for the Modeling of the Students' Performance	15.00-15.15
4	12	The effect of changing the type of lamp, lighting power and adding light points to the strength of the lighting in the Classroom and Reading Room of the Postgraduate Program at the Bung Hatta Building, Jakarta State University	15.15-15.30
<b>BREAK</b>			14.45-15.15
5	N/A	absent	16.00-16.15
6	N/A	absent	16.15-16.30
7	18	The Effectiveness and Efficiency of Google Classroom as an Alternative Online Learning Media to Overcome Physical Distancing in Lectures Due to the Covid-19 pandemic: Student Perspectives	16.30-16.45
8	24	Effectiveness of Mobile Learning Implementation in Increasing Student Competence and Preventing the Spread and Impact of COVID-19	16.45-17.00
9	30	The Effect of Participation in Scientific Research and Conference on Vocational Teachers' Competence	17.00-17.15
10	34	Evaluation of Indonesian Technical and Vocational Education in Addressing the Gap in Job Skills Required by Industry	17.15-17.30

Room 2

Moderator 1

Hapsari P A Tjahyaningtjas

2

No	Page #	Paper Title	Time (GMT +7)
1	40	Semantic Web Ontology for Vocational Education Self-Evaluation System	14.30-14.45
2	46	The impact of The COVID-19 Pandemic in Indonesia (Face to face versus Online Learning)	14.45-15.00
3	N/A	absent	15.00-15.15
4	50	DESIGN OF COMPETENCY TEST MODEL FOR ELECTRICAL INSTALLATION AUTOMATION BASED ON PROJECT LEARNING FOR ELECTRICAL ENGINEERING STUDENTS	15.15-15.30
<b>BREAK</b>			14.45-15.15
5	55	The Effectiveness of the Use of Learning Media of Interactive Multimedia in Facial Skin Care Care Courses	16.00-16.15
6	59	The Effect of the Mobile-Learning Models on Students' Learning Outcomes of Research Methodology Courses at the Cosmetology and Beauty Department	16.15-16.30
7	64	The Marketing of Teaching Factory Product Through Online E-Commerce at Fashion Design Vocational High Schools	16.30-16.45
8	N/A	absent	16.45-17.00
9	70	FACTOR ANALYSIS THAT INFLUENCES CPL/PILOT LICENSE COMMERCIAL PHASE TECHNICAL KNOWLEDGE OF CADETS OF OFFICIAL AVIATION SCHOOL VOCATIONAL EDUCATION	17.00-17.15
10	75	Measurement Model of Employability Skills of Vocational High School Student in East Java Using Structural Equation Model (SEM)	17.15-17.30

Room 3

Moderator 1 Naim Rochmawati  
2 Yeni Anistyasari

No	Page #	Paper Title	Time (GMT +7)
1	81	Mobile Augmented Reality Application with Multi-Interaction for Learning Solutions on the Topic of Computer Network Devices (Effectiveness, Interface, and Experience Design)	14.30-14.45
2	87	The Concept of Using Interactive Educational Media with Problem-Posing Interaction Flow in Basic Programming Learning	14.45-15.00
3	93	E-Voting on Blockchain using Solidity Language	15.00-15.15
4	99	Risk Analysis of Cloud Computing in the Logistics Process	15.15-15.30
<b>BREAK</b>			14.45-15.15
5	N/A	absent	16.00-16.15
6	104	Deep Learning Implementation of Facemask and Physical Distancing Detection with Alarm Systems	16.15-16.30
7	109	Covid Symptom Severity Using Decision Tree	16.30-16.45
8	114	An Enhanced Cryptographic Algorithm in Securing Healthcare Medical Records	16.45-17.00
9	120	Detecting SQL Injection On Web Application Using Deep Learning Techniques: A Systematic Literature Review	17.00-17.15
10	126	Integration of FAHP and COPRAS Method for New Student Admission Decision Making	17.15-17.30

**Room 4**

**Moderator 1 Salamun Rohman Nudin**  
**2 Ricky Eka Putra**

No	Page #	Paper Title	Time (GMT +7)
1	132	Non-Proliferative Diabetic Retinopathy Classification Based on Hard Exudates Using Combination of FRCNN, Morphology, and ANFIS	14.30-14.45
2	138	A New Adaptive Online Learning using Computational Intelligence	14.45-15.00
3	N/A	The design and implementation of web crawler distributed news domain detection system	15.00-15.15
4	144	High Availability in Software-Defined Networking using Cluster Controller: A Simulation Approach	15.15-15.30
<b>BREAK</b>			14.45-15.15
5	149	Pneumonia and COVID-19 Detection using Convolutional Neural Networks	16.00-16.15
6	155	What's in a Caption?: Leveraging Caption Pattern for Predicting the Popularity of Social Media Posts	16.15-16.30
7	160	Fractional Gradient Descent Optimizer for Linear Classifier Support Vector Machine	16.30-16.45
8	165	The Identification of the Apples (Malus Sylvestris) Skin Wax Coating Using the Edge Detection Method	16.45-17.00
9	169	Key Rate Enhancement by Using the Interval Approach in Symmetric Key Extraction Mechanism	17.00-17.15
10	175	EnORS: An Enhanced Object Relationship Schema	17.15-17.30
11	180	Development of Mapping Area Software for Dismissal people affected by Covid-19	17.3--17.45

**Room 5**

**Moderator 1 Reza Rahmadian**

**2 Rifqi Firmansyah**

No	Page #	Paper Title	Time (GMT +7)
1	184	Validation of Voice Recognition in Various Google Voice Languages using Voice Recognition Module V3 Based on Microcontroller	14.30-14.45
2	190	Texture Analysis of Knee Osteoarthritis Using Contrast Limited Adaptive Histogram Based Gray Level Co-occurrent Matrix	14.45-15.00
3	194	Design of Model Predictive Control for Stability of Two Stage Inverted Pendulum	15.00-15.15
4	199	Hydrothermal Growth Temperature Dependence of Nanostructured Nickel Oxide Transparency	15.15-15.30
<b>BREAK</b>			14.45-15.15
5	203	Design Automatic Dispenser for Blind People based on Arduino Mega using DS18B20 Temperature Sensor	16.00-16.15
6	208	Effects of Precursor Concentration on the Transparency of Hydrothermally Grown Zinc Oxide	16.15-16.30
7	212	A Dual UPQC to Mitigate Sag/Swell, Interruption, and Harmonics on Three Phase Low Voltage Distribution System	16.30-16.45
8	218	Design and Implementation of IoT System for Aeroponic Chamber Temperature Monitoring	16.45-17.00
9	222	Autonomous Robotics in Agriculture: A Review	17.00-17.15
10	228	Design of Fire Detection Equipment Due to the Arc-Fault Series on Low Voltage Networks Based on Internet of Things (IoT)	17.15-17.30

**Room 6**

**Moderator 1 Arif Widodo**  
**2 Unit Three K**

No	Page #	Paper Title	Time (GMT +7)
1	234	A Hybrid Classification Based on Machine Learning Classifiers to Predict Smart Indonesia Program	14.30-14.45
2	239	Optimization of Water Level Control Systems Using ANFIS and Fuzzy-PID Model	14.45-15.00
3	244	Design and Development of Attendance System Application Using Android-Based Flutter	15.00-15.15
4	250	SIMULATION AND PERFORMANCE EVALUATION OF FIBER OPTIC SENSOR FOR DETECTION OF SALINITY IN PRAWN POND APPLICATION	15.15-15.30
<b>BREAK</b>			14.45-15.15
5	255	MICROCONTROLLER AND WIRELESS COMMUNICATION BASED SMART LABORATORY BOX SYSTEM IMPLEMENTATION	16.00-16.15
6	261	Parking Management by Means of Computer Vision	16.15-16.30
7	267	Performance Evaluation of ESP8266 for Wireless Nurse Call System	16.30-16.45
8	271	A current mode ACG base on Sub-threshold MOS Translinear Principle	16.45-17.00
9	275	Combination of Fuzzy C-Means and Simple Additive Weighting Using Partition Coefficient Index	17.00-17.15
10	280	Adaptive Neuro-Fuzzy Approach for Cacao Bean Grading Classification Process	17.15-17.30



**Room 7**

**Moderator 1 Mahendra Widyartono**  
**2 Widi Aribowo**

No	Page #	Paper Title	Time (GMT +7)
1	285	Tuning of Power System Stabilizer Using Cascade Forward Backpropagation	14.30-14.45
2	290	Setting Coordination Relay Protection On Multiloop Model Distribution Electrical Power System Using Firefly Algorithm	14.45-15.00
3	296	HYBRID MODEL FOR THE NEXT HOURLY ELECTRICITY LOAD DEMAND FORECASTING BASED ON CLUSTERING AND WEATHER DATA	15.00-15.15
4	300	Partial Shading Effect on I-V Characteristic and Maximum Power of a Photovoltaic Array	15.15-15.30
<b>BREAK</b>			14.45-15.15
5	305	Effect of Combination Fractional Slot Number and Slotting Technique on the Cogging Torque in Permanent Magnet Machines	16.00-16.15
6	N/A	absent	16.15-16.30
7	310	A Research on the Influencing Factors of Industrial Designers' Potential Traits on Career Planning	16.30-16.45
8	N/A	DESIGN OF AERIAL ROBOT AS TEACHING MEDIA WITH EDUCATIONAL ROBOTIC BASED LEARNING SYSTEM	16.45-17.00
9	316	The Roles of Information Technology Knowledge and Online Learning in Learning Environmental Changes in Vocational Education	17.00-17.15
10			17.15-17.30

Room 8

Moderator 1 Eppy Yundra  
2 Nurhayati

No	Page #	Paper Title	Time (GMT +7)
1	320	Motion Sensing for Wireless Body Area Networks Based on Android Using Wi-Fi Direct Transmission	14.30-14.45
2	325	Impact of Nonlinear Distortion with the Rapp Model on the GFDM System	14.45-15.00
3	330	The New Intelligent Wireless Sensor Network using Artificial Intelligence for Building Fire Disasters	15.00-15.15
4	336	A Vivaldi Antenna Palm Tree Class with Koch Square Fractal Slot Edge for Near-Field Microwave Biomedical Imaging Applications	15.15-15.30
<b>BREAK</b>			14.45-15.15
5	342	Decision Support System Cattle Weight Prediction using Artificial Selected Weighting Method	16.00-16.15
6	348	Design of X-Band Microstrip Antenna for Circularly Polarized Synthetic Aperture Radar (CP-SAR) System	16.15-16.30
7	353	Design of Horizontal Polarization Microstrip Patch Antenna with Bandwidth Enhancement at C-Band Frequency	16.30-16.45
8	359	Comparison Study of Hilbert Sierpinski and Koch Fractal on Coplanar Vivaldi Antenna for L and S band application	16.45-17.00
9	364	Design of a Microstrip Line Quad-band Bandpass Filter based on Fibonacci geometric sequence	17.00-17.15
10	368	Potentials of metasurface technology on antennas and propagation	17.15-17.30