

Schedule Parallel Session ICAE 2022									
Room Zoom	Moderator	LO	Room Techno	Time	Presenter			Title	Abstract
					Name	Affiliation	Email		
1	Nur Sakinah Asaad,S.T.,M.T	Nana Nuraliza	Nagoya	10.15 - 10.30	Mohamad Johan Arifin	Politeknik Elektronika Negeri Surabaya, Indonesia	mohamadjoahan@ce.student.pens.ac.id	Ultrasound Portable Integration for Segmentation Heart Disease in Health Care Kiosk	One of the problems in health is detecting heart beat. Heart disease is number one death factor according to the data gathered by WHO. Patient of heart disease can experience sudden pain that need fast handling so that nothing fatal happen. The problem being highlighted in this research is about heart disease checkup service, where a patient have to go to a special ultrasound room to check their heart, it's hard to do for a critical heart disease patient. Ultrasound portable could be the solution for this problem, because this device is equipped with other good feature to help doctor diagnose a patient. The first step is ultrasound portable will be used to take heart video data. Ultrasound portable is a portable device so it sends the data through wireless communication, so the smartphone used as receiver have to be connected in 1 same wifi connection as the ultrasound portable. And then the video made in smartphone will be sent to PC using usb communication. After the data received there will be preprocessing and segmentation process. In the preprocessing there is 2 step that is median filtering and high boost filtering, and from these preprocessing step it will produce an image that's free from noise and enhanced image. From preprocessing's output it will be processed with segmentation process, in this segmentation there are 3 steps which are region filtering, collinear and triangle method. The output of segmentation process can obtain contour line from heart cavity with an accuracy of 70%, which will be used to track the heart. With this research it will ease the user to observe the condition of the heart without having to go to specific place.
					Riyanto Sigit	Politeknik Elektronika Negeri Surabaya, Indonesia	riyanto@eeips-its.edu		
					Taufiq Hidayat	Faculty of Medicine, Airlangga University, Indonesia	taufiq-h@fk.unair.ac.id		
					Tita Karlita	Electronic Engineering Polytechnic Institute of Surabaya, Indonesia	tita@pens.ac.id		
				10.30 - 10.45	Riwinoto Riwinoto	Batam State Polytechnic, Indonesia	riwi@polibatam.ac.id	Analysis Optimization of Game "X" Performance on the Android Platform	The preliminary research entitled "Game Prototype Performance Analysis on The Android Platform" stated that the game "X" (The name was disguised for development purposes), was not optimized very well. The game needs to be researched further to improve the process of optimization and to find the result based on the conclusion from the preliminary research, which states that the frame from the result of the analysis should reach 60 fps. In this research, there will be many different types of prototype results, with each of them having different types of optimization. There are the scripting process, garbage collection, and rendering. This research focuses on performance which improves the speed of the game and from the result of the research, there will be 4 revisions for having an optimized state of performance that can be used for further development.
					William Tan	Politeknik Negeri Batam, Indonesia	lwrtwll@gmail.com		
				10.45 - 11.00	Kero Baganet	Polibatam, Indonesia	kerobaganet@gmail.com	User Experience Analysis on Application Simulation "HEALTHY LIFESTYLE AT HOME" Based on Virtual Reality	Health at home is very important to implement some families do not really apply health or clean living rules at home. At this time, there are problems that can be explained with technology, one of which is by providing content with a realistic visual concept which is also called Virtual Reality (VR). VR technology is also used in several fields such as gaming, health simulation, simulation in the field of education and others. ~Therefore, the author decided to analyze an application that aims to educate virtual reality-based on healthy living rules at home. The author wants to know the level of user experience of healthy living applications at home. For the method of this user experience itself, the author decides to use the TCSD (Task Centered System Design) method. TCSD is a method that is included in Human Computer Interaction (HCI). This method has four stages, namely Identification, User-Centered Requirements Analysis, Design through Scenario and System Evaluation. And at the final stage in the TCSD method is the walkthrough evaluate stage which will be carried out to evaluate user usability. The evaluation is carried out with one of the usability methods, namely heuristic evaluation. Based on the results of research analysis and testing carried out on healthy living simulation applications at home as applications that educate about the importance of healthy living at home, with the heuristic calculation method, an average value of 0.81 has been obtained with a rating of "Cosmetic" which means there are problems but these problems are not too important to fix. And it can be concluded that the healthy living simulation application at home is acceptable with low usability problems.
					Riwinoto Riwinoto	Batam State Polytechnic, Indonesia	riwi@polibatam.ac.id		
				11.00 - 11.15	Annisia Florentia	Batam State Polytechnic, Indonesia	florentiaannis@gmail.com	Usability Analysis: Virtual Reality-Based Lathe Machine Operation Simulation Application	Virtual Reality (VR) can be used in any field, not least in practical simulations and training. The lathe operation simulation application is one example of the use of VR technology in the field of manufacturing mechanical engineering. In this study using the Post-Study System Usability Questionnaire method to analyse usability testing on the lathe VR simulation application. Research conducted on students of Manufacturing Mechanical and Welding Engineering, Batam State Polytechnic will produce data related to the level of system quality in the application. The results of the usability evaluation get a value above the average with each component of System Usefulness (2.2), Information Quality (2.2), Interface Quality (2.4) and Overall (2.23) getting a good category.
					Riwinoto Riwinoto	Batam State Polytechnic, Indonesia	riwi@polibatam.ac.id		
Break									
13.15 - 13.30	Tania Milda Grasella	Batam State Polytechnic, Indonesia	mildatania@gmail.com	User Experience Evaluation of Virtual Reality-Based for LAN Cable Crimping Simulation Application	Virtual reality is currently growing rapidly, marked by the emergence of various products in various sectors, especially in the educational sector. Batam State Polytechnic has developed virtual reality-based learning products, one of the products is a simulation application of LAN cable crimping. This simulation is made in such a way as to represent the working procedure of LAN cable crimping practicum module. The simulation application of "LAN cable crimping" has to be measured to determine its usability level. This study was conducted using the system usability scale to find out whether the usability rate has met the standard or not by testing the simulation product and filling out questionnaires. The questionnaire contains 10 questions following the system usability scale instrument. This study resulted in several conclusions: (1) Based on the system usability scale (SUS) score, the adjective rating of the "LAN crimping cable" was "good" (8) with a final score of 74. (2) The simulation was acceptable and respondents also commented that the simulation helped in understanding the LAN cable crimping process, although they had never done it directly.				
	Riwinoto Riwinoto	Batam State Polytechnic, Indonesia	riwi@polibatam.ac.id						
	Lin Prasetyani	Politeknik Manufaktur ASTRA, Indonesia	lin.prasetyani@polman.astra.ac.id		An automotive company that manufactures pistons integrates a DENSO-type robot into an existing control system. The visual process of controlling and checking the product quality control has the purpose gets a good product. Previously, the process was carried out conventionally through the eyes of Manpower. The visual inspection carries out by				

					13.30 - 13.45	Mada Jimmy Arifianto	Politeknik Manufaktur ASTRA, Indonesia	mada.jimmy@polman.astra.ac.id	Denso RC7M Robot Integration with PLC Based on Device-Net Communication in a Visual Line of Automotive Industry	utilizing the robots they have. The desired goal is to reduce cycle time on the Visual line. Therefore, the author and the engineering maintenance team decided to replace the system on the visual line using a robot through integration with the existing HMI control system. The integration of this robot supports an auto-visual inspection scheme with the help of the Device-Net control system communication. After doing the trial process, the result is that the cycle time drops to +- 36%. This research paper applies to an automotive company in which cycle time is something critical point. The decreasing of cycle time becomes something urgent in a production process				
2	Fitriyanti Nakul, S.Pd.,M.Si	Alfan Meola	Sri jodoh	10.15 - 10.30	Azy Syifauro Roisah Rufaida	Universitas Gadjah Mada, Indonesia	azyysyifauroisahrufaida@mail.ugm.ac.id	Lexicon-Based Sentiment Analysis Using Inset Dictionary: A Systematic Literature Review	A lexicon-based sentiment analysis method necessitates using a lexicon dictionary during the analysis process. The Inset (Indonesia Sentiment) lexicon dictionary is one of the Indonesian language's most extensively used lexicon dictionaries. This Systematic Literature Review aims to determine the latest trend of lexicon-based sentiment analysis using Inset dictionaries. The findings of this study provide an answer to the following research question: RQ1: What are the most popular domains discussed in sentiment analysis studies using the Inset dictionary? RQ2: What data sources are used in sentiment analysis studies using the Inset dictionary? RQ3: What are the most common pre-processing techniques used in sentiment analysis studies using the Inset dictionary? The literature review resulted in selecting seventeen papers for a detailed study. The findings show that in the last five years, most sentiment analysis research using Inset focused on the health domain (RQ1) and then responded to the following research questions (RQ2 and RQ3). The study also contained some additional observations from completed research.					
					Adhistya Erna Permanasari	Universitas Gadjah Mada, Indonesia	adhistya@ugm.ac.id							
					Noor Akhmad Setiawan	Universitas Gadjah Mada, Indonesia	noorwwe@ugm.ac.id							
				10.30 - 10.45	Hanif Naufal Arif Sunarko	Gadjah Mada University, Indonesia	hanif.n.a@mail.ugm.ac.id	Comparative Analysis of Masked and Unmasked for Face Recognition Using VGG Face and MTCNN	Face recognition is a system that is widely used in various fields such as security, attendance system, and other fields. Currently Covid-19 is still a major problem around the world and almost everyone is protecting themselves with masks. This is a problem for the face recognition system. This happens because most of the faces are covered by masks so that face recognition system will be difficult to recognize the face. This paper will do a comparison between a dataset without a mask and a mixed dataset. This study was conducted to find out how the effect of the dataset used on the accuracy of face recognition system either with masks or without masks and to find out how well the performance of face recognition with different dataset. VGG Face and MTCNN are used to detect and recognize faces based on landmarks. This study compares the level of accuracy, level of precision and level of sensitivity. The result shows that using a mixed dataset containing masked and unmasked faces will increase the accuracy rate from 86.7% to 93.3%. For the level of precision increased from 87.7% to 93.5%. And the Sensitivity level increased from 86.7% to 93.3%.					
					Risanuri Hidayat	Gadjah Mada University (UGM), Indonesia	risanuri@ugm.ac.id							
					Rudy Hartanto	Gadjah Mada University & Electrical Engineering and Information	rudy@ugm.ac.id							
				10.45 - 11.00	Oktavianto Gustin	Politeknik Negeri Batam, Indonesia	oktavianto@polibatam.ac.id	WebGIS Distribution of Boarding House Locations (Case Study: Around Politeknik Negeri Batam Campus)	Politeknik Negeri Batam is the only public university in Batam City, Riau Islands Province. Many students come from within the city and outside the city to continue their education in college. So it requires a temporary place while studying. Searching in various print media, seeing the words "Accept Boarding" affixed to the front of the boarding house owner's house, or asking people who know. This is a challenge for students to find temporary housing around campus. By utilizing webGIS technology the purpose of this research is to produce a webGIS for the distribution of boarding house locations that can be accessed via the internet. WebGIS can display information that is equipped with the location of the boarding house and the route of the trip. Making webGIS using data collection methods, data processing, results, and analysis with Likert's method by utilizing Leaflet Javascript Library technology. Application testing is done by paying attention to functionalizing and usability testing. In testing the functionality, it can be said that webGIS was successful in by expected results. While the usability test from several 40 respondents obtained the results of usability testers with an average answer score of MI < X MI + 1.5 SDI, namely 25.5 < 30.7 32.7495, which means that the average answer score is in the "decent" category. it can be said that the webGIS application for the distribution of the location of this boarding house is included in the "appropriate" category.					
					Karisma Pratama Ramadhan	Politeknik Negeri Batam, Indonesia	karismagratamaramadhan10@gmail.com							
				11.00 - 11.15	Oktavianto Gustin	Politeknik Negeri Batam, Indonesia	oktavianto@polibatam.ac.id	WebGIS Mapping the Distribution of Batam Island Main Bus Stops	People in the city of Batam as well as local and foreign tourists who want to travel, especially in the city of Batam, find it difficult to know the location, position and location of the bus stop. Although so far there are google maps that provide information on the availability of road facilities, but for some places, google maps has not provided information about bus stops. Another way is needed to provide information on the location of bus stops in the city of Batam, not only through information obtained from city bus officers. People do not know about the existence of the bus stops on Batam Island, because of the lack of spatial information about the location of the bus stops on Batam Island. A media is needed to provide information and the location of the bus stops on Batam Island. The initial step taken by the researcher was collecting data in the form of data information such as the coordinates of the bus stop. Then carry out a site survey by taking coordinates or points from the location of each Batam Island bus stop, and proceed with data processing until the goal of this research is achieved in the form of WebGIS distribution of Batam Island shelters.					
					Yulia Yulia	Politeknik Negeri Batam, Indonesia	yulia32807@gmail.com							
				Break										
				13.15 - 13.30	Oktavianto Gustin	Politeknik Negeri Batam, Indonesia	oktavianto@polibatam.ac.id	Mapping Land Field in Kampung Tua Nongsa Using NRTK Method Based on PTSL Activities	Measurement and mapping of land parcels is a series of activities in carrying out land registration, this activity can be carried out by various methods, such as: photogrammetric methods, remote sensing, terrestrial and other methods. Complete Systematic Land Registration or commonly called PTSL is a program from the government in the land sector in the form of land dispute resolution or land certificate activities simultaneously in one work area and carried out by collecting data simultaneously. At the same time, data collection can reduce the risk of land and property rights disputes, both within the community and with the government. By measuring land registration using the RTK method with INA-CORS BIG as the base, the results of this measurement produce a Land Plane Map (PBT), where the target of the measurement is 1,500 parcels of land. PTSL 2021 Kampung Tua Nongsa with a measurable area of 1,591 fields.					
					Alfin Alpredo Pelawi	Politeknik Negeri Batam, Indonesia	alfinpelawi@gmail.com							
				13.30 - 13.45	Oktavianto Gustin	Politeknik Negeri Batam, Indonesia	oktavianto@polibatam.ac.id	Mapping of Changes in the Marine Physical Properties of the Batam Island	Batam Island is one of the islands in the Riau Archipelago which is rich in natural resources, especially mangroves and coral reefs, these two aspects are very influential on changes in the ecosystem found in the sea, but there are several locations of mangroves and coral reefs that have been damaged by human and natural causes, namely, Some of the physical properties of seawater include sea surface temperature, salinity, and total suspended sediment. Therefore, a study was conducted that aims to determine changes in the area of mangroves and coral reefs on Batam Island by utilizing Landsat 8 image recording in 2017 and 2021. So that changes in mangroves, coral reefs, and physical properties of sea water can be known from the results of this study.					
					Doli Prasetyo	Politeknik Negeri Batam, Indonesia	doliwahyuo300@gmail.com							
					F. V. Astriah	Politeknik Pertanian	astriahsuci@noltranicamang							

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6	Nanta Fakh Prebianto, S.ST., M.Sc	Amalia Rahmatul Azahra	Sagulung	10.15 - 10.30	Rina Yulius, RY	Politeknik Negeri Batam, Indonesia	rinayulius@polibatam.ac.id	Design and Implementation of A Mobile-Based Refrigerator Reminder App	Food waste is a serious problem in Indonesia due to a growth in population numbers. Private households have been identified as key actors in food waste generation. This study aims to develop a mobile app named 'Freeze Reminder' as a tool used for preventing the decay of food ingredients that have forgotten to be processed because they are in storage. The application is developed using The Prototyping Model of SDLC. The quantitative data through a survey were conducted to examine the acceptance of The Freeze Reminder using UEQ. The results of the study verify that The Freeze Reminder app is transforming the access and delivery of food waste reducing.				
					Diyah Karmila Sari	Politeknik Negeri Batam, Indonesia	diyahkarmilasari@gmail.com						
				10.30 - 10.45	Amirul Mu'minin	Politeknik Negeri Batam, Indonesia	amirul@polibatam.ac.id	The Effects of the Addictive Effects of Online Games Among US in Terms of Computer-Mediated Communication (CMC) in the Young Generation	One of the trends of today's young generation is playing together through online games, one of which is Among Us by gamers. This game has become the object of research because it provides CMC (Computer-mediated Communication) features, namely via Chat and Voice Chat privately or in groups that are played in multiplayer. This game has received reviews from 5,260,338 players. Through the Voice Chat feature online game CMC communication takes place in the form of voice chat and text chat to provide a sensation of presence to players that trigger the pleasure of playing games. The purpose of this research is to describe things that affect online game addiction by CMC communication on online game features. The research design method is the Abductive approach, by describing and combining quantitative research containing content that makes the game addictive and qualitative in the form of questions containing player reviews totalling 60 players. From the results of this study, it turns out that in Among US games there is a Computer-mediated Communication CMC that makes gamers addicted, namely the presence factor in the form of the presence of other players, group communication, there is a map space (location) that gathers virtually, there is communication in gameplay Game features voice chat, good communication in playing the role of the game, the privacy of player identity is maintained and there is anonymous communication.				
					Anis Rahmi	Politeknik Negeri Batam, Indonesia	anis@polibatam.ac.id						
				10.45 - 11.00	Wenang Anurogo	Politeknik Negeri Batam, Indonesia	wenang@polibatam.ac.id	Waters Quality Assessment on Physical-Chemical Parameters Using Remote Sensing Technologies: Criteria for Total Suspended Solids and Waters Transparency	Waters territory is an area that has a large enough natural resource potential. This region has undergone many changes in function to be able to provide benefits and a large contribution in improving the community's economy, but economic activities that convert aquatic land into industrial areas, tourism, and settlements have caused a fairly severe deterioration in waters quality. Some parameters determining the quality of waters include Total Suspended Solid (TSS), and Water Transparency. The development of remote sensing is increasingly rapid making this technology more effectively used for wide coverage areas. This research aims to analyze the concentration level of TSS distribution and waters transparency by using remote sensing data. The results of data processing showed the range of suspended solids in the research area ranged from 9,706 to 16,193 mg /L, and the range of waters transparency is from 3.6536-4.8278 m. The results of the waters quality index processing data from this research based on parameters used are classified into 3 classes; high waters quality, moderate waters quality, and low waters quality. Waters quality in this research which has low waters quality and moderate waters quality is around the island, while most of the results have high waters quality.				
					Muhammad Zainuddin Lubis	Politeknik Negeri Batam, Indonesia	zainuddinlubis@polibatam.ac.id						
					Muhammad Ghazali	Politeknik Negeri Batam, Indonesia	m_ghazali@polibatam.ac.id						
				Break									
				13.15 - 13.30	Muchammad Fajri Amirul, Nasrullah	Politeknik Negeri Batam, Indonesia	fajri@polibatam.ac.id	Transmedia Storytelling Website-Based Children's Learning	Interest in reading children in Indonesia is still very low. Even though there has been a lot of socialization about the importance of reading books, Indonesian children's interest in reading is still very low at only 0.01% based on a survey from the United Nations Educational Scientific and Cultural Organization (UNESCO). Developments and growing technology encourage people to take advantage of technology, especially in the field of multimedia. This gives researchers the idea to create an application based on digital media which is a story application using the concept of transmedia storytelling. This application aims to provide new pleasure in reading stories, because this application involves audience participation so that users can determine their own storyline. Coupled with audio, text, and 2D animated visuals, children will be interested in reading stories via smartphones, tablets or laptops.				
					Sandi Prasetyaningih	Politeknik Negeri Batam, Indonesia	sandi@polibatam.ac.id						
Anis Rahmi	Politeknik Negeri Batam, Indonesia	anis@polibatam.ac.id											
Muhammad Taufan Perdana	Politeknik Negeri Batam, Indonesia	fanmtb@gmail.com											
13.30 - 13.45	Yeni Riska Pratiwi	Politeknik Negeri Batam, Indonesia	yeniriskap@gmail.com	Autonomous Navigation System Using Indoor GPS on Turtlebot3 Burger Robot	The Burger series Turtlebot3 robot is a standard platform of ROS robotic cooperation that is used as a learning medium and as a prototype in project robot delivery. This robot has been modified with the addition of LiDAR sensor functions as obstacle avoidance and auto parking as well as the addition of indoor GPS components. This prototype will be used as a medium for delivering goods from a store to a specific production line in a Company. In this study, an autonomous navigation system was created so that the robot can run according to the point and mission of the robot by utilizing Indoor GPS. So that the robot can move properly without any interference from the obstacle, a system is created to help the robot move to avoid the obstacle that utilizes LiDAR sensors that will detect the obstacle and then issue a decision to avoid the obstacle. After the robot completes its mission, it can return to the home base position autonomously using reflective tape as a reference. The expected results of all research conducted are that the robot can run autonomously to the destination point and avoid obstacles and return to the parking station position properly Keywords- Turtlebot3, autonomous, Indoor GPS, obstacle, LiDAR, auto parking, reflective tape								
	Hendawan Soebhakti	Politeknik Negeri Batam, Indonesia	hendawan@polibatam.ac.id										
	Rahel Yulianti	Politeknik Negeri Batam, Indonesia	racheljulianti@gmail.com										
	Faiz Albar Risi	Politeknik Negeri Batam, Indonesia	albarrisifaiz@gmail.com										
10.15 - 10.30	Faiz Albar Risi	Politeknik Negeri Batam, Indonesia	albarrisifaiz@gmail.com	Auto Parking System with LiDAR and Reflective Tape for Turtlebot3 Burger Robot	The Turtlebot3 Burger Robot is a standard platform of ROS Robotic cooperation which is used as a learning media also as a prototype in a delivery robot project. This robot has been modified with the addition of the LiDAR sensor for obstacle avoidance and auto parking as well as the addition of an indoor GPS component for robot localization and navigation. This prototype will be used as an item shipper from the store to a certain production line in a company. In this research, an autonomous navigation is made so that the robot can move according to the robot's point and mission by utilizing Indoor GPS. So that the robot can move properly without interference from the obstacle, an obstacle avoidance system is made by utilizing the LiDAR sensor which will detect the obstacle and then make a decision to avoid the obstacle. After the robot completes its mission, the robot can return to the home base position autonomously using reflective tape as a reference. The expected result of this research is that the robot can run autonomously to the destination point, avoid obstacles and return to the parking station position properly								
	Hendawan Soebhakti	Politeknik Negeri Batam, Indonesia	hendawan@polibatam.ac.id										
	Yeni Riska Pratiwi	Politeknik Negeri Batam, Indonesia	yeniriskap@gmail.com										

7	Muhammad Prihadi Eko Wahyudi, S.T., M.T.	Laura Maey Rizky	Batu aji		Rahel Yulianti	Politeknik Negeri Batam, Indonesia	racheljulianti@gmail.com		
				10.30 - 10.45	Mohamad Nasyr Tamara	Politeknik Elektronika Negeri Surabaya & EEPIS, Indonesia	nasir_meka@pens.ac.id	System Design of Warehouse Management AGV for Packages Sorting in Supporting Industry of E-Commerce	The e-commerce industry has used a lot of goods sorting technology using AGV (Automated Guided Vehicle). Goods are moved automatically using an autonomous system can increase the effectiveness and efficiency of the process. Industry is always thinking about it. The benefits of Sorting AGV are felt when a large number of goods (thousands to millions) must be delivered in a matter of days. For that we need an adequate autonomous AGV system that has the features to handle the job. This research focuses on mechanical design with mechanization that can support the entire system and the application of AGV motion control so that it can run well from varying loads. For the need for fast movement and ease of control, the Differential Drive Mobile Robot (DDMR) model was chosen which is equipped with a flipping mechanism to drop the load. PID control as movement control is applied for stable speed under varying load conditions
					Abdurahman Dwijotomo	Politeknik Negeri Batam, Indonesia	dwijotomo@polibatam.ac.id		
				10.45 - 11.00	Budiana Budiana	Politeknik Negeri Batam, Indonesia	budiana@polibatam.ac.id	Study of Corrosion Rate at Aluminum Duralumin with YCbCr Filter Method	Corrosion is a process of damage to metal materials that occurs due to the reaction of the metal with the surrounding environment. Corrosion can threaten structural safety, life safety, environmental protection, and economic development. The cost that must be incurred to carry out corrosion testing according to seal for life reaches \$276 B. Based on these problems, a tool is needed that can determine corrosion phenomena such as corrosion rate. The Corrosion rate is a measure of how fast or slows a corrosion process is on a certain surface area and at a certain time. Corrosion test equipment is made using the principle of image technology with the YCbCr Color Filter method to detect corroded material surfaces. This corrosion test equipment has been successfully tested on Aluminum material with a size of 1.8 cm x 2.8 cm with the results showing that Aluminum is corroded after the 3rd day.
					Nibras Fitri Zuhra	Politeknik Negeri Batam, Indonesia	nibrasfitri@gmail.com		
					Dylla Tri Kusuma P	Politeknik Negeri Batam, Indonesia	dylaputri23@gmail.com		
					Putri Rahmatika Viani	Politeknik Negeri Batam, Indonesia	putrirahmatika001@gmail.com		
					Muhammad Lathief	Politeknik Negeri Batam, Indonesia	muhammadiathief41@gmail.com		
				Break					
				13.15 - 13.30	Daniel Pamungkas	Politeknik Negeri Batam, Indonesia	daniel@polibatam.ac.id	K-NN with Frequency Domain Features for Identify Fingers Movement	Prosthetic hands, which make daily chores easier, are one of the improvements brought about by quick technology advancements. The study and use of technological, therapeutic, and diagnostic principles concerning human activity are known as biomechanics, and it has led to the development of new technology, such as electromyography (EMG). Human muscles contracting or relaxing produce EMG signals, which are signals. This study tries to pinpoint the human finger's opening and closing motion as detected by the Myo Armband sensor. To receive signals from the EMG, the Myo Armband sensor is attached to the subject's right hand's forearm. FFT will be used to transfer the collected data to the frequency domain, and 70% of the EMG signal data will then be used as training data to determine the outcomes of each movement. 30% of the EMG signal data will be used to test the training results, which will then be K-Nearest Neighbor-classified. K-Nearest Neighbor classification techniques used in the study yielded a percentage of correct readings of 73.3%.
				13.30 - 13.45	Anggi Pratiwi	Politeknik Negeri Batam, Indonesia	anggihodaspratiwi93@gmail.com	The Influence of Emotional Intelligence, Availability of Information Technology, Application of E-Learning, Class Size, and Machiavellism on Accounting Student Online Learning Outcomes	This study was conducted with the aim of knowing whether emotional intelligence, availability of information technology, application of e-learning, class size and machiavelli's have an effect or not on online learning outcomes for accounting students. This research was obtained from a survey that involving by 225 respondents from all Batam Polytechnic students majoring in business management class 2018 and 2019 with study programs D4 management accounting and D3 accounting using quantitative methods and primary data. The data obtained were analysed using multiple linear regression analysis. The findings of this study show that the variables of emotional intelligence, application of e-learning, and class size have a significant effect on online learning outcomes for accounting students, while availability of information technology and Machiavelli's have no effect on online learning outcomes for accounting students.
					Alfonsa Dian Sumarna	Politeknik Negeri Batam, Indonesia	alfonsadian@polibatam.ac.id		