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


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Vol.8, Issue: 9; September 2021












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CONTENTS

S.No.	Articles	Pages
1.	Are We Prepared for the Third Wave? - Knowledge, Attitude and Practice towards COVID-19 among Medical Practitioners in India.  ShareThis <i>Lokesh Kumar, S, Nirosha, P</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210901] Research Area: Medical Science ; Virology	1-8
2.	Prevalence of Ocular Surface Disorder and Dry Eye in Patients with Glaucoma using Topical Antiglaucoma Medications.  ShareThis <i>Santosh Yadavrao Ingle, Saswati Biswas</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210902] Research Area: Medical Science ; Ophthalmology	9-12
3.	Efficacy of FNAC in Diagnosis of Breast Lumps - A Retrospective Study.  ShareThis <i>Oankar Kumar Maurya, Richa, Manohar Lal, Prashant Kumar</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210903] Research Area: Medical Science ; Pathology	13-17
4.	Effect of Streptozotocin on Liver Histology Damage in Rats Model of Gestational Diabetes Mellitus.  ShareThis <i>Liganda Endo Mahata, Hrowati Ali, Arina Widya Murni</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210904] Research Area: Medical Science ; Pharmacology	18-22
5.	Correlation of the Neutrophil Lymphocyte Ratio with Malignancy Status in Thyroid Nodule.  ShareThis <i>Agus Maulana, Dwi Hari Susilo, Marjono Dwi Wibowo</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210905] Research Area: Medical Science ; Surgery	23-28
6.	Acute Vestibular Syndrome in Cerebellar Infarction: A Case Report.  ShareThis <i>Diayanti Tenti Lestari, Hamik Badriyah Hidayati</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210906] Research Area: Medical Science ; Neurology	29-35
7.	Correlation of Platelet-Lymphocyte Ratio towards the Incidence of Follicular Thyroid Carcinoma.  ShareThis <i>Gagang Guntaran Kalbuningwang, Dwi Hari Susilo, Marjono Dwi Wibowo, Sahudi</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210907] Research Area: Medical Science ; Surgery	36-42
8.	Operative Therapy of Parkinson's Disease and the Role of Neurologist.  ShareThis <i>Ellisa Dwijayanti, Muhammad Hamdan</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210908] Research Area: Medical Science ; Neurology	43-48
9.	Analysis of Indihome Competitive Advantage Strategy PT Telkom Indonesia (Tbk) Witel Medan.  ShareThis <i>Alfiqri Imam Budhiman, Endang Sulistyia Rini, Fadli</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210909] Research Area: Management	49-56
10.	Law Enforcement against the Implementation of the Provisions Payment of Workers' Wages is Reviewed from Aspects of Employment Criminal Law.  ShareThis <i>Siti Nurhayati, Sumarno</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210910] Research Area: Law	57-71
11.	Effect of Current Ratio and Debt to Equity Ratio on Price to Book Value with Return on Equity as a Mediation Variable in Property, Real Estate and Building Construction Sector Companies on the Indonesia Stock Exchange for the Period 2016-2018.  ShareThis <i>Lina Minah, Nagian Toni, Enda Noviyanti Simorangkir, Galumbang Hutagalung</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210911] Research Area: Business Management	72-80
12.	The Effect of Electronic Word of Mouth (E-Wom) and Brand Image on Repurchase Intention Moderated by Brand Trust in the Garuda Indonesia Airline.  ShareThis <i>Nasya Nirma Sari, Amrin Fauzi, Endang Sulistyia Rini</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210912] Research Area: Management	81-91
13.	An Investigation of Learners' Writing Self-Efficacy and Risk Taking in Writing.  ShareThis <i>Faradina Primarini Noorhaya Sari</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210913] Research Area: English Education	92-98

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












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14.	A Review: <i>Cyanthillium cinereum</i> (L) H. Rob..  Share This <i>Ramya C., Vishnu AS, Nasila K.</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210914] Research Area: Pharmaceutical Sciences	99-101
15.	Determinants of Audit Quality with Auditor's Professionalism Skepticism as a Mediating Variable in Public Accounting Firm (KAP) Medan City.  Share This <i>Shabrina Tri Asti Nasution</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210915] Research Area: Business Management	102-114
16.	Juridical Analysis of Work Agreements at Sea for Seafarers from the Perspective of Affirming People's Welfare: A Study at the Batam Authority and Harbormaster Office.  Share This <i>Akhiyanus Marwan, Laily Washliati, Idham</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210916] Research Area: Law	115-125
17.	How Does COVID -19 Affect Thai Students?.  Share This <i>Prapattra Hongwisat, Thanawat Wuthikanokkan, Chirati Romayes</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210917] Research Area: Education	126-129
18.	A Remote Surveillance System for the Detection of Farmland Invasion by Cattle in Sub-Saharan African Country.  Share This <i>Oluwole Abiodun Adegbola, Ifeoluwa David Solomon, Adesina Samuel Oluwaseun, Odebumni Nathaniel Dare, Peter Olalekan Idowu</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210918] Research Area: Electronic and Electrical Engineering	130-135
19.	A Descriptive Study of Clinical Presentation, Etiology and Management in Acute Mechanical Bowel Obstruction.  Share This <i>Rajendra Prasad Bugalia, Hariom Meena, Sandeep Kumar, Rajendra Mandia</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210919] Research Area: Medical Science; Surgery	136-141
20.	Role of Antibiotics in Neonates Born through Meconium Stained Amniotic Fluid.  Share This <i>Ravi Tiwari, Om Shankar Chaurasiya, Sapna Gupta, Sanjaya Sharma, Mayank Singh</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210920] Research Area: Medical Science; Paediatrics	142-148
21.	Cytomegalovirus Encephalitis with Decreased Vision in Immunocompromised Patients Treated with Valganciclovir: Case Report.  Share This <i>Erwin Hardiansyah, Paulus Sugianto</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210921] Research Area: Medical Science; Medicine	149-153
22.	Perception and Efficiency Analysis of Agricultural Cooperatives: A Case Study in Hau Giang Province, Vietnam.  Share This <i>Tien Dung Khong</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210922] Research Area: Economics	154-164
23.	The Effect of Work Behavior and Knowledge Management toward Organizational Performance through Employee Performance at PT Bank Aceh Syariah, Aceh-Indonesia.  Share This <i>Muhammad Syafzil Nasution, Sulaiman</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210923] Research Area: Business Administration	165-175
24.	The Learning System and the Teachers' Role in Embedding the Character Education Values in Elementary School Students.  Share This <i>Rian Jamhariani, Agus Nuryatin, Hamdan Tri Atmaja</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210924] Research Area: Education	176-183
25.	Analysis of Factors Influencing the Determination of Land Compensation Value of PLN Tower on the Construction of TL 150 KV Kuala-Binjai.  Share This <i>Sahril A, Nazaruddin Matondang, Sugiharto Pujangkoro</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210925] Research Area: Property and Valuation Management	184-188
26.	Analyze the Influence of Talent Management and Knowledge Management on Employee Performance through Employee Retention as Intervening Variable at PT Bhandra Ghara Reksa Divre I Medan.  Share This <i>Nidya Banuari, Yeni Absah, Elisabet Siahhaan</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210926] Research Area: Business Management	189-204
27.	A Study to Evaluate the Effectiveness of Amla Juice with Honey on Levels of Hemoglobin among B.Sc. Nursing Students with Anemia at Selected Nursing Colleges in Dindugal.  Share This <i>Julie Agnes G.W, Jeyanthi</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210927] Research Area: Nursing	205-209
28.	Effect of Extension Training on Technical Efficiency of Maize Farmers in Ogbomoso Agricultural Zone of Oyo State, Nigeria.  Share This <i>Akintonde J. Oluwole, Akintaro O. Segun, Rahman S. Bayonle, Bamidele B. Samuel, Oladosu I. Oladeji</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210928] Research Area: Agricultural Extension and Rural Development	210-217

29.	Study of Comparison of Suicidal Cases in the Lockdown Period During First Wave of COVID-19 with that of Suicidal Cases in the Period before it among Dead Bodies Brought for Autopsy at Nalanda Medical College, Patna - A Record Review.  ShareThis <i>Rajiv Ranjan Das, Kumar Saurav, Radha Raman Singh</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210929] Research Area: Medical Science; F.M.T.	218-223
30.	Cutaneous Larva Migrans in Urban Area: A Case Report.  ShareThis <i>Tiffany Roelan</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210930] Research Area: Medical Science	224-227
31.	Prevalence of Diseases in Elderly Patients with Medication Related Problems.  ShareThis <i>Abhishek Pradhan, Fathimath Kamila Thasneem, A R Shabaraya</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210931] Research Area: Pharmacy Practice	228-233
32.	A Study to Assess the Effectiveness of Structured Teaching Programme on Knowledge and Attitude Regarding Vitamin A Deficiency and Its Prophylaxis among Mothers of Under Five Children at Selected village at Tamilnadu.  ShareThis <i>Roslin Mangaiyarkarasi. M., Kumudhavalli. D, R. Karthi</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210932] Research Area: Nursing	234-241
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37.	Maximum Likelihood Estimation using the EM Algorithm.  ShareThis <i>Ahsene Lanani</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210937] Research Area: Mathematics	275-277
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












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44.	<p>Relation between Lactic Acid Bacteria (LAB) and C. trachomatis Infection on Infertility in Women </p> <p><i>Zelly Mulyani, Andani Eka Putra, Arni Amir</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210944] Research Area: Medical Science; Infectious Disease</p>	331-337
45.	<p>The Relation between Estradiol Levels and Body Mass Index with Fasting Blood Glucose Levels in Premenopausal Women in Padang in 2017. </p> <p><i>Melani Razuli, Afrwardi, Fika Tri Anggraini</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210945] Research Area: Medical Science; Physiology</p>	338-344
46.	<p>Strategy to Increase Competitiveness through the Implementation of Human Resource Performance Management in PT. Garudafood Putra Putri Jaya Tbk. </p> <p><i>Dani Achmad Fauzi, Syamsul Maarif, Nimmi Zulfainarni</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210946] Research Area: Business Management</p>	345-361
47.	<p>Design and Development of a Solar-Powered Smart Heater. </p> <p><i>Ifeoluwa David Solomon, Oluwole Abiodun Adegbola, Peter Olalekan Idowu, Monsuru Abolade Adeagbo, John Adedapo Ojo</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210947] Research Area: Electronic and Electrical Engineering</p>	362-372
48.	<p>A Comparative Analysis of LSB, MSB and PVD Based Image Steganography. </p> <p><i>Alade Oluwaseun. Modupe, Amusan Elizabeth Adedoyin, Adedeji Oluyinka Titilayo, Fenwa Oluwayo Deborah</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210948] Research Area: Cyber Security Science</p>	373-377
49.	<p>Public Attitudes towards Fast Fashion. </p> <p><i>Phakawan Teerawattananon, Phatsa Khuapad, Renuka Hitopakorn, Varitsara Lapkritkhom, Watusiri Limwattana</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210949] Research Area: Fashion Technology</p>	378-383
50.	<p>Crop Microclimate Modification to Address Climate Change. </p> <p><i>Udit Debangshi</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210950] Research Area: Agriculture</p>	384-395
51.	<p>Phenotypic and Molecular Detection of Resistance Genes from Multi-drug Resistant Escherichia coli Isolated from Patients Attending Selected Hospitals in Damaturu, Yobe State, Nigeria. </p> <p><i>Sheriff Wakil, Mustafa Alhaji Isa, Adam Mustapa</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210951] Research Area: Medical Science; Microbiology</p>	396-407
52.	<p>Original Research Article on Study of Correlation between Various Clinical Parameters and Hypoxemia in Children with Lower Respiratory Tract Infection of Age 2 Months to 5 Years. </p> <p><i>Chinmay Sahu, Dadesh Kumar Panda, Surjit Naik, Saiprasanna Behera</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210952] Research Area: Medical Science; Paediatrics</p>	408-412
53.	<p>Drug-Induced Tardive Dyskinesia. </p> <p><i>Marianto Marianto, Hartono Kosim, I Made Wedastra</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210953] Research Area: Medical Science; Psychiatry</p>	413-422
54.	<p>Development of Science Literature Instruments Contained Ethnoscience in Science Subject for Class IV Elementary School Students. </p> <p><i>Nur Khairiyatul Mar'ah, Ani Rusilowati, Eko Purwanti</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210954] Research Area: Education</p>	423-435
55.	<p>Predict App Rank on Google Play Using the Random Forest Method. </p> <p><i>Abdul Khalig, Eko Hariyanto, Supina Batubara</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210955] Research Area: Information Technology</p>	436-441
56.	<p>Lesser Known Indian Women Educators and Reformers. </p> <p><i>Anasuya Adhikari, Birbal Saha</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210956] Research Area: Education</p>	442-447
57.	<p>Integration of Quality Function Deployment Method with Theory of Inventive Problem Solving in an Effort to Improve Clean Water Quality in Tirtanadi Regional Drinking Water Company Sunggal Medan Branch. </p> <p><i>Zubaidah Kartika Harahap, Humala L. Napitupulu, Meilita Tryana Sembiring</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210957] Research Area: Management</p>	448-452
58.	<p>Business Development of Base Transceiver Station (BTS) Infrastructure Contractor PT. XYZ. </p> <p><i>Biyal Muhajirin Koswara, Rizal Syarief, Harianto</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210958] Research Area: Business Management</p>	453-467

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59.	<p>Accuracy of Serum Golgi Protein 73 and Alpha Fetoprotein (AFP) to Diagnose Hepatocellular Carcinoma. </p> <p><i>Karina Dwi Swastika, Gontar Alamsyah Siregar, Dharma Lindarto</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210959] Research Area: Medical Science; Internal Medicine</p>	468-473
60.	<p>Implementation of PjBl-Based in Entrepreneurship Subject (Project Based Learning) during the Pandemic Period. </p> <p><i>Efa Wahyu Prastyaningtyas, Widi Wulansari</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210960] Research Area: Economic Education</p>	474-480
61.	<p>Evaluation of Information Technology Governance Using the COBIT 5 Framework (Case Study of Integrated Licensing Service Agency Medan City Government). </p> <p><i>IR. Erwin Setiawan Panjaitan, Fandi Halim, Darwin Siallagan</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210961] Research Area: Information Technology</p>	481-487
62.	<p>Digital Marketing Implementation Effectiveness Analysis in Improving the Marketing Performance of Small and Medium Enterprises Managed by LINKS USU. </p> <p><i>Ikhlan Al Zubri, Sukaria Simulingga, Iskandarimi</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210962] Research Area: Management</p>	488-496
63.	<p>Employee Job Satisfaction and Organizational Performance on the National Shipping Company. </p> <p><i>Prasadjia Ricardianto, Weli Agus Setiawan, Veronica, Imam Sonny, Esti Liana</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210963] Research Area: Transportation and Logistics</p>	497-506
64.	<p>Flow and Heat Transfer of the Cu-Water Nanofluid in a Corrugated Channel. </p> <p><i>Rahima Benchabi, Ahsene Lanani</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210964] Research Area: Mechanical Engineering</p>	507-517
65.	<p>Feature Level Fusion of Biometric Images Using Modified Clonal Selection Algorithm. </p> <p><i>Aedejeji, Oluwinka Titilayo, Amusan, Elizabeth Adedoyin, Alade, Oluwaseun. Modupe, Fenwa, Olusayo Deborah</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210965] Research Area: Information System</p>	518-526
66.	<p>Factors Affecting Learners' Satisfaction and Loyalty to the Vietnamese American Training Center, Can Tho City. </p> <p><i>Mai Tan Dat, Nguyen Quoc Nghi</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210966] Research Area: Management</p>	527-533
67.	<p>Marketing Planning "Pineapple Drink" Innovation of Subang Honey Pineapple Processed Drink. </p> <p><i>Bea Kalifi Arini, Rhian Indradewa, Tantri Yanur Rahmat Syah, Ketut Sunaryanto</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210967] Research Area: Business Management</p>	534-539
68.	<p>Landslide Hazard Zonation along the MH SH-73 at Kelghar Ghat, Satara, Maharashtra. </p> <p><i>Subhash Vishnu Karande</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210968] Research Area: Geography</p>	540-547
69.	<p>Case Report on Guillain Barre Syndrome: Acute Inflammatory Demyelinating Polyneuropathy. </p> <p><i>Chinmu Roy, Jobin Kunjumon Vilapurathu, Dhanya Paul, Helan Kurian</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210969] Research Area: Pharmacy Practice</p>	548-550
70.	<p>The Association of Glutathione S-Transferase P1 Polymorphism to Imatinib Mesylate Resistance in Chronic Myelogenous Leukemia Patients According to Haematology Response at General Hospital Haji Adam Malik and Branch Hospital in Kota Medan. </p> <p><i>Ainun Basyiroh Lubis, Dairion Gatot, Savita Handayani, Henny Syahrini</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210970] Research Area: Medical Science; Internal Medicine</p>	551-557
71.	<p>Different Mechanism Involvement in the formation of Colorectal Cancer; Mega Review. </p> <p><i>Muhammad Ali, Yang Wang, Qi Zhang, Xiaodong Zhu, Abass Mahamoud Ahmed, Mingrui Jiang, Daorong Wang</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210971] Research Area: Medical Science; Surgery</p>	558-573
72.	<p>Internal Management Integration Policies and School-Community Relations in Tertiary Institutions in Rivers State. </p> <p><i>Sam-Kalagbor, Osaruchi Victoria, Osuji, Catherine U.</i> [ABSTRACT] [PDF Full Text] [DOI: https://doi.org/10.52403/ijrr.20210972] Research Area: Education</p>	574-581

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Implementation of PjBL-Based in Entrepreneurship Subject (Project Based Learning) during the Pandemic Period

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ABSTRACT

This study objective is to determine the application of Project Based Learning in entrepreneurship subjects for students of the Elementary School Study Program, Universitas Nusantara PGRI of Kediri. This study used a quasi-experimental design with Posttest-Only Design with None equivalent Group. The population were 8 classes and simple random sampling technique was used to take the sample. Then, divide the sample into two categorized as students who already have a business and students who do not have one. In conclusion, the average score of students who have entrepreneurial experience is higher; it was 89.62 than the average score of students who do not have entrepreneurial experience with a score of 88.44 in PjBL-based Entrepreneurship learning. Thus, it can be interpreted that the implementation of PjBL-Based Entrepreneurship (Problem Based Learning) subjects for students who have entrepreneurial experience gives positive and significant results.

Keywords: Entrepreneurship subject, Project based learning, Pandemic

INTRODUCTION

The global crisis caused by COVID-19 has an impact on increasing the number of unemployed. Data from Central Bureau of Statistics (CBS) for August 2020 shows that unemployment in Indonesia increased by 7.07%, while in August 2019 it was 5.23%. So, there was an increase in unemployment of 1.84% (CBS, 2020). The

alternative solution to reduce this unemployment problem is most by increasing the number of entrepreneurs (Nazri, 2016). This is because entrepreneurship is the main driver in fostering innovation, creating jobs and being able to significantly grow the economy of a country (Badulescu & Badulescu, 2013). Higher education as agents of change will certainly not remain silent, it will improve continually, especially dealing with courses which support students to prepare them to enter the community in the future, one of ways is through entrepreneurship subject.

Entrepreneurship subject is an effort made by university to provide entrepreneurship education to students so that they can internalize the entrepreneurial spirit and mentality through formal education. The role of entrepreneurship education according to (Cera et al., 2020) is a process of transferring knowledge to students in order to take advantage of business opportunities. Besides, entrepreneurship education has an important role to educate new entrepreneurs from both formal and non-formal education (Bae et al., 2014). And the main goal is to equip students, so that they can apply their knowledge in society by opening up opportunities after graduate by opening business and job opportunities for the community.

One of the universities that equip students with entrepreneurship subject is the

Nusantara University PGRI of Kediri, especially in the Elementary School Study Program (ESSP). This course has been adapted as the vision and mission of the Study Program. Besides producing graduates to become competent elementary school teachers, it also prepares their students to become entrepreneurs. Entrepreneurship subject held at the Nusantara University PGRI of Kediri emphasize more on the basics of business which include planning, implementing, controlling, and developing business. Therefore, students will get collaborative learning experiences in the form of small projects to formulate business plans according to their scientific fields. However, the lectures that have been done offline so far cannot be conducted due to the pandemic caused by covid 19. This condition requires lecturer to conduct online teaching and learning activities. Online learning requires lecturers to think creatively and innovatively so that the learning process delivered is in accordance with the initial objectives of the lecture.

So, the learning model used by researchers in the implementation of online lectures is project based learning. This learning model is implemented by giving students the freedom to design, solve problems, make decisions, provide flexibility in finding and integrating tasks in the form of knowledge and experience from the activities in order completing student tasks (Rahmazatullaili et al., 2017). PjBL learning model is driven to foster soft skills like creative thinking, problem solving, innovation, teamwork, communication and presentation skills where students learn to collaborate with groups in planning activities, (Noviyana, 2017). Through PjBL learning, students will have direct experience with project-based activities so that they can produce certain products as a result of collaboration within groups' activities (Astini, Sari, 2020). The purpose of this study was to determine the implementation of PjBL (Project Based Learning)-based entrepreneurship subject

during the pandemic at the PGSD Study Program, Universitas Nusantara PGRI of Kediri.

LITERATURE REVIEW

Entrepreneurship Education

Entrepreneurship education plays an important role in preparing students to become entrepreneurs (Bae et al., 2014). Crhrisman and McMullan (2020) also explained that the main purpose of entrepreneurship education is not only to foster entrepreneurial intentions, but furthermore it is to become entrepreneurs. Entrepreneurship education is covered in entrepreneurship subject; the objectives are to prepare students to become entrepreneurs through practice in business laboratories or in the field rather than just learning in class (George & Bock, 2011). Practicing in the field allows students to have knowledge theoretically and direct practice.

The recent growth and development of curriculum and programs aimed at entrepreneurship and new venture creation is remarkable (Kuratko et al., 2020). According to (Saptono et al., 2020) Entrepreneurship education is a rapidly growing field and a hot topic in colleges and universities around the world, and its benefits have received much praise from researchers and educators. However, entrepreneurship education is still a debate because only a theory is given. This matter seems to put an obligation on starting entrepreneurship programs that help students achieve their aspirations and overcome their misconceptions. They stated that such educational programs need to be provided with learning opportunities that address the basic concepts and skills of entrepreneurship. They also need to clarify how these concepts and skills relate to competitive market systems and the public policy decisions that affect their operations.

PjBL (Project Based Learning)

Learning using the PjBL model will increase students' knowledge (Kadek et al., 2020), where students will be able to

explore their abilities by collaborating with groups. This learning model has the advantage of developing student motivation, being able to improve problem solving, increasing collaboration and skills in finding and managing various sources of knowledge. While, the problem is the class difficult to control, the condition of the class is tend to be noisy, so teacher skills are needed in mastering and managing the class so that the teaching and learning process is conducive.

In addition, another weakness is that some students will be passive in groups because they have difficulty in the process of gathering information (Suciani et al., 2018). In this COVID-19 pandemic situation, all students are required to study from home so that the learning process is conducted online. In the implementation of this learning requires the use of information technology with the aim of helping students to actively participate the learning process flexibly anytime and anywhere. There are two types of this learning, they are: 1) **Synchronous**, where educators teach at the same time, so that there is direct interaction between educators and students. 2) **Asynchronous**, educators teach at different times. Students can carry out learning after the teacher provides the material (Astini, Sari, 2020).

MATERIALS & METHODS

The research method used is quasi-experimental. The design used is Posttest-Only Design with none equivalent Group.

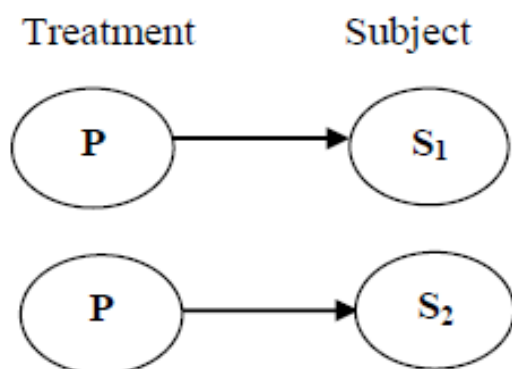


Figure 1. Research Design

The population in this study were PGSD Level 2 and 4 students who were taking Entrepreneurship courses which were divided into 8 classes. Simple Random Sampling was the sampling technique used, with PGSD students as the sample consisting of 92 students at IV level. The sample was divided into 2, students who already have entrepreneurial experience and do not have entrepreneurial experience. Data collection is done by using observation and tests.

Data analysis used was parametric statistics with Independent t-test. The steps taken by the researcher before testing the hypothesis were to test assumptions, which included normality test using the Kolmogorov-Smirnov test and homogeneity test using Levene's test.

RESULT

Entrepreneurship subject in PGSD Study Program are taken by students of 8th semester (Level IV) class of 2017 and 4th semester (Level II), where the learning outcomes formulated are emphasizing business basics which include planning, implementation, controlling, and business development. Therefore, students will get collaborative learning experiences in the form of small projects to formulate business plans according to their scientific fields. Preliminary observations that have been made by researchers on PGSD study program students Level IV and II show that 60% already have a business and 40% do not yet have a business. Where the results of business mapping that have been done by researchers for students are as follows:

Based on the preliminary business mapping diagram, it is found that 40% of students are in private tutoring business, 25% are selling online, 25% are culinary businesses and the remaining 10% are other businesses. From the results of the observations above, the teaching and learning process applied is not only a theory but also is a final project so that there is an increase in learning outcomes as seen from the following processes: 1) determining

business ideas, 2) product design, 3) the basis for the assessment carried out by researchers to each student. production, 4) financial statements, 5) business feasibility. These five things are

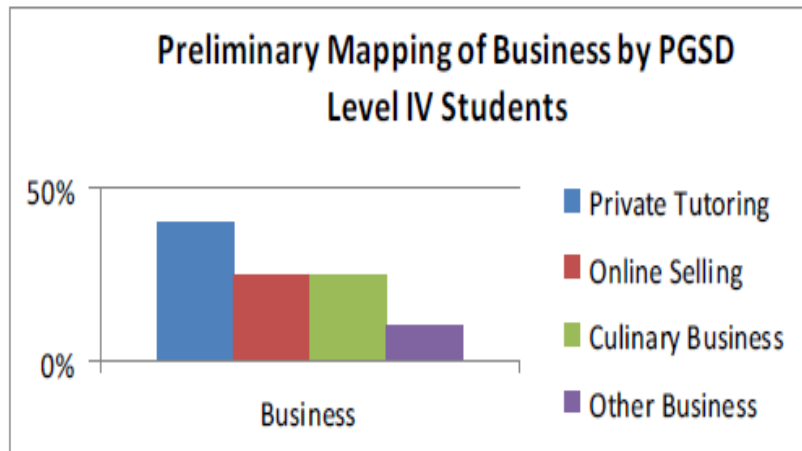



Diagram 1: Preliminary mapping of business by PGSD level IV students

Table 1. PGSD student learning outcomes even semester of 2020/2021

No	Material	Activities	Example of student project results																																																		
1	determining business ideas	Students determine the business idea that will be made based on the experience of observation or guest lecturers that they have received, then upload them via Google class room	<p>DESSERT BOX Browmer Si Cantik Alasan: Untuk dapat berkreasi dengan cara dan kerangka yang berbeda. Dessert box adalah sebagai perantara saat mempromosikan dan memasarkan. Browmer: 2 dan 3 sebagai alternatif agar siswa juga bisa mengabdikan kegiatannya dengan Browmer. Untuk itu kita sudah sudah kita juga bisa kita masak juga.</p>																																																		
2	product design	Students design the product to be made and explain the steps of producing	<p>YUMMA BONBON Desain gambar produksi Tahap pembuatan produk: 1. Rebus pisang sampai matang setelah matang angkat dan dituangkan sebentar, lalu kupas pisang dan cincang kasar. 2. Campur pisang yang sudah diblender dengan tepung terigu, telur, gula pasir, dan susu bubuk. Lalu aduk hingga merata. 3. Masukkan ke dalam loyang yang sudah dioles mentega, tunggu sampai matang dan dinginkan di suhu ruang. 4. Kukus adonan selama 15-20 menit setelah dingin campurkan mentega dan dituangkan adonan di atasnya. 5. Setelah dingin potong-potong adonan pisang angket sesuai selera. 6. Kemudian celakan potongan pisang mentega ke dalam telur yang sudah dikocok lalu balurkan ke tepung roti yang siap pakai. 7. Panaskan minyak goreng, lalu goreng dengan api sedang sampai adonan adonan pisang mentega yang sudah diblender dengan telur dan tepung roti matang merata berwarna kuning keemasan. 8. Setelah matang angkat, dengan tepung sesuai dengan selera.</p>																																																		
3	Production	Students practice the production process according to the planned design; submit production activity in the form of videos as progress report.																																																			
4	Marketing	Students market the products that have been made, make reports on marketing activities in the form of videos as progress report.																																																			
5	Finance	Based on the marketing results, students communicate the progress of the sales of products produced by uploading them to the Google class room	<p>5. Laporan keuangan dari kegiatan pemasaran yang sudah dilaksanakan</p> <table border="1"> <thead> <tr> <th>No</th> <th>Keterangan</th> <th>Pemasukan</th> <th>Pembayaran</th> <th>Saldo</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Modal</td> <td>Rp 55.000</td> <td></td> <td>Rp 55.000</td> </tr> <tr> <td>2</td> <td>Pembelian bahan baku</td> <td></td> <td>Rp 55.000</td> <td>Rp 0.000</td> </tr> <tr> <td>3</td> <td>Hasil penjualan</td> <td>Rp 70.000</td> <td>Rp 55.000</td> <td>Rp 15.000</td> </tr> <tr> <td>4</td> <td>Laba</td> <td>Rp 15.000</td> <td></td> <td>Rp 15.000</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>No</th> <th>Keterangan</th> <th>Pemasukan</th> <th>Pembayaran</th> <th>Saldo</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Modal</td> <td>Rp 40.000</td> <td></td> <td>Rp 40.000</td> </tr> <tr> <td>2</td> <td>Pembelian bahan baku</td> <td></td> <td>Rp 30.000</td> <td>Rp 10.000</td> </tr> <tr> <td>3</td> <td>Hasil penjualan</td> <td>Rp 50.000</td> <td>Rp 30.000</td> <td>Rp 20.000</td> </tr> <tr> <td>4</td> <td>Laba</td> <td>Rp 20.000</td> <td></td> <td>Rp 20.000</td> </tr> </tbody> </table>	No	Keterangan	Pemasukan	Pembayaran	Saldo	1	Modal	Rp 55.000		Rp 55.000	2	Pembelian bahan baku		Rp 55.000	Rp 0.000	3	Hasil penjualan	Rp 70.000	Rp 55.000	Rp 15.000	4	Laba	Rp 15.000		Rp 15.000	No	Keterangan	Pemasukan	Pembayaran	Saldo	1	Modal	Rp 40.000		Rp 40.000	2	Pembelian bahan baku		Rp 30.000	Rp 10.000	3	Hasil penjualan	Rp 50.000	Rp 30.000	Rp 20.000	4	Laba	Rp 20.000		Rp 20.000
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Table 1 Continued...

6.	Business Properness	Students analyze the projects that have been carried out by compiling a final report by mapping it into the business model canvas and SWOT analysis	
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a. Assumption Test

Tests	Score	Sig	Conclusion
Normality_ students who already have entrepreneurial experience	1,162	0,134	normal
Normality_ students who do not have entrepreneurial experience	1,011	0,258	normal
Homogeneities	1,547	0,217	homogeny

Based on the test results in table 2, it can be concluded that the scores of students who already have business experience and those who do not have a normal and homogeneous distribution.

b. Hypothesis testing

After the assumption test can be met, it is possible to test the hypothesis. The hypothesis test used is the Independent t-test. The results of hypothesis testing with the help of the SPSS program are presented in table 2.

Table 2 Independent Sample Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper	
Project Based Learning	Equal variances assumed	1.547	.217	2.259	90	.026	1.180	.522	.142	2.217
	Equal variances not assumed			2.190	62.857	.032	1.180	.539	.103	2.256

Considering at the Levene test results, the equal variances assumed is chosen

Based on the table, it can be seen that the sig value is 0.026 so that the sig value is less than the specified alpha value, which is 0.05. The conclusion is that Ho is rejected and Ha is accepted.

Table 3. Group Statistics

	Experience	N	Mean	Std. Deviation	Std. Error Mean
entrepreneurial ability	Experienced	58	89.62	2.308	.303
	Not experienced	34	88.44	2.596	.445

The results from the Group Statistics table show that the average value of students who have entrepreneurial experience is higher than the average value of students who do not have entrepreneurial experience in PjBL-based Entrepreneurship learning.

DISCUSSION

Based on the results of the implementation of PjBL-based

entrepreneurship subject during the pandemic, it showed positive results because students were able to understand more about real entrepreneurship with direct practice starting from exploring business ideas, producing, marketing and compiling financial reports. Of course they will be more creative in coming up with every entrepreneurial idea. The advantage of this course is students can practice directly in a project. The results of the assumption test

states that the samples taken as research subjects are normal and homogeneous. So, the sample is good to be used as a research subject. Based on the results of the hypothesis test, it is also stated that there is a difference between the average value of students who have entrepreneurial experience and students who do not have entrepreneurial experience in PjBL-based Entrepreneurship learning and the score increases. Thus, it can be interpreted that the implementation of PjBL-Based Entrepreneurship (Problem Based Learning) subject for students who already have entrepreneurial experience gives positive result and significant results.

CONCLUSION

The conclusions obtained from the results of research are:

1. Implementation of PjBL-based entrepreneurship subjects makes students understand more about good and useful entrepreneurship, starting from formulating business ideas, how to market products to compiling financial reports.
2. The average score of students who have entrepreneurial experience is better than the scores of students who do not have entrepreneurial experience so the application of learning with the PjBL method provides positive and significant results for students who have entrepreneurial experience.

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