

## PUBLICATIONS

Write the title of the DTSPS scientific work article cited in the last 3 years by following the table format below. The title of the cited article must be relevant to the field of study program.

Table. DTSPS scientific papers cited in the last 3 years

| No. | Article Title Citation (Journal, Volume, Year, Number, Page)  | Lecturer Name 1) | Number of Citation Articles |      |      |
|-----|---|------------------|-----------------------------|------|------|
|     |   |                  | 2019                        | 2020 | 2021 |
| 1   | 2   | 3                | 4                           | 5    | 6    |
| 1.  | Augmented Reality (AR)-Based Learning Media on the Subject of Computer Network Installation<br>Jurnal Pendidikan dan Pengajaran 53 (2), 213-226   | KASMAN RUKUN     |                             |      | 5    |
| 2.  | Needs Analysis of Web-Based Learning Media Development Subject Network Infrastructure Administration<br>Jurnal Imiah Pendidikan Dan Pembelajaran 4 (2), 303-314                             | KASMAN RUKUN     |                             |      | 5    |
| 3.  | Needs Analysis In Learning Media Development Based On Augmented Reality (Ar) For Computer Network Installation Courses<br>Jurnal Pendidikan Teknologi Kejuruan 3 (1), 31-35                 | KASMAN RUKUN     |                             |      | 5    |
| 4.  | Model for Career Development Information System Information and Communication Technology based on Expert Systems in the Industrial Revolution 4.0<br>TEST Engineering & Management magazine | KASMAN RUKUN     |                             |      | 5    |
| 5.  | Utilization of augmented reality-based learning media using the Ar_Jarkom application in computer network installation courses<br>Jurnal Konseling dan Pendidikan 8 (3), 217-223            | KASMAN RUKUN     |                             |      | 2    |
| 6.  | Identification of Student Learning Style in Determining Learning Media Using Expert Systems<br>Progress in Social Science, Humanities and Education Research Symposium, 22-26               | KASMAN RUKUN     |                             |      | 2    |
| 7.  | Effectiveness of Development of Diva Learning Management System Model in Algorithm and Programming Course<br>Jurnal Pendidikan Teknologi Kejuruan 3 (2), 104-108                            | KASMAN RUKUN     |                             |      | 2    |

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| 8.  | Development of Augmented Reality Learning Media Design for Computer Network Devices<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 20 (1), 69-76  | KASMAN RUKUN |    |    | 2 |
| 9.  | Development of Training Model fo Technical Worker In Manufacturing Industry (Case Study of Batam Manufacturing Industry)<br>International Journal of Advanced Science and Technology 29 (6), 1559-1567   | KASMAN RUKUN |    |    | 2 |
| 10. | Development of Digital Information Management Learning Media Based on Adobe Flash in Grade X of Digital Simulation Subject. Journal of Physics: Conference Series 1363 (1), 012066   | KASMAN RUKUN |    | 59 |   |
| 11. | A review of increasing teaching and learning database subjects in computer science<br>Revista ESPACIOS 40 (26)   | KASMAN RUKUN |    | 7  |   |
| 12. | Live Webcast System Design for Smart Classroom Learning In Electronic Engineering Department<br>Journal of Physics: Conference Series 1387 (1), 012025   | KASMAN RUKUN |    | 3  |   |
| 13. | Design and Implementation of Information Systems Sales of Computers and Accessories in Web-Based Computer Stores.<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 4 (1)   | KASMAN RUKUN | 28 |    |   |
| 14. | Expert system in the application of learning models with Forward Chaining Method<br>International Journal of Engineering and Technology(UAE)   | KASMAN RUKUN | 15 |    |   |
| 15. | Exspert Validity Pada Pengembangan Model Pembelajaran Berbasis Proyek E Commerce Pada Pembelajaran Kewirausahaan<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 1 (2), 43-50  | KASMAN RUKUN | 5  |    |   |
| 16. | Design and Analysis of Expert System Based on Information System to Diagnose Computer Failures Using Forward Chaining Method<br>International Journal of Engineering & Technology 7 (124), 124   | KASMAN RUKUN | 5  |    |   |
| 17. | Contribution of Learning Interest and Learning Style to Learning Outcomes Installing Local Network Devices (LAN) for Class 1 Students of TKJ SMK Negeri 1 Lhoksukon<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 4 (1) | KASMAN RUKUN | 3  |    |   |

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| 18. | Software-based cloud learning management system as a descriptive analysis service<br>Techno. Com 17 (3), 252-269  | KASMAN RUKUN | 3 |  |    |
| 19. | A Review of the Teaching and Learning on Power Electronics Course<br>2018 International Conference on Applied Information Technology and ...  | KASMAN RUKUN | 2 |  |    |
| 20. | Revisiting the School-Based Management Recent Studies<br>Pedagogi: Jurnal Ilmu Pendidikan 20 (2), 60-68   | M. GIATMAN   |   |  | 1  |
| 21. | Problem-Based Learning: 21st Century Vocational Education<br>International Journal Of Multi Science 1 (08), 12-19   | M. GIATMAN   |   |  | 5  |
| 22. | The Perspective of Noble Moral Character Education on Changes in Student<br>Behavior<br>Edukasi: Jurnal Pendidikan 18 (2), 170-181  | M. GIATMAN   |   |  | 4  |
| 23. | Online Learning Quality Control in the Pandemic Covid-19 Era in Indonesia<br>Journal of Nonformal Education 6 (2), 168-175  | M. GIATMAN   |   |  | 37 |
| 24. | The Influence of Leadership Orientation and Appreciation Levels on Employee<br>Loyalty at Lancang Kuning University Pekanbaru<br>JAS-PT (Jurnal Analisis Sistem Pendidikan Tinggi Indonesia) 4 (1), 33-46 | M. GIATMAN   |   |  | 1  |
| 25. | Influence of Leadership Orientation and Level of Awards Against Employee Loyalty<br>in Lancang Kuning University<br>International Journal for Educational and Vocational Studies 2 (6)                    | M. GIATMAN   |   |  | 1  |
| 26. | Flipped Classroom-Computer Based Instruction untuk Pembelajaran Pada Revolusi<br>Industri 4.0: Rancang Bangun dan Analisis Kebutuhan<br>Edumatic: Jurnal Pendidikan Informatika 4 (1), 63-72              | M. GIATMAN   |   |  | 5  |
| 27. | THE EFFECT OF TEACHING READINESS ON THE TEACHING ATTITUDE OF<br>YOUNG TEACHERS<br>Jurnal Vokasi Mekanika (VoMek) 2 (2), 15-21   | M. GIATMAN   |   |  | 1  |
| 28. | APPLICATION OF DATA MINING FOR ANALYSIS OF CONSUMER<br>PURCHASE DATA ON SALES TRANSACTION DATA AT HALAL MART HNI<br>HPAI DHARMASRAYA<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 3 (1), 68-75                 | M. GIATMAN   |   |  | 1  |

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| 29. | A NEED ANALYSIS FOR EVALUATION MEDIA DEVELOPMENT OF THE PROJECT-BASED QUIZ CREATOR IN COMPUTER AND BASIC NETWORK SUBJECT<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 3 (1), 76-79                                | M. GIATMAN |  |   | 2 |
| 30. | THE DEVELOPMENT OF INTERACTIVE LEARNING MEDIA IN COMPUTER AND BASIC NETWORKS SUBJECT ON COMPUTER AND NETWORKS ENGINEERING OF SMKN 2 LUBUK BASUNG<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 3 (1), 50-54        | M. GIATMAN |  |   | 1 |
| 31. | TEACHING MATERIAL DEVELOPMENT ORIENTED ON THE SCIENTIFIC APPROACH OF 5M IN LEARNING AUTOMOTIVE BASIC TECHNOLOGY<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 3 (1), 55-59   | M. GIATMAN |  |   | 3 |
| 32. | NEEDS ANALYSIS IN LEARNING MEDIA DEVELOPMENT BASED ON AUGMENTED REALITY (AR) FOR COMPUTER NETWORK INSTALLATION COURSES<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 3 (1), 31-35                                  | M. GIATMAN |  |   | 5 |
| 33. | Design of Interactive Learning Media Based on Problem Based Learning Model for Basic Physics Courses<br>JURNAL MEDIA INFORMATIKA BUDIDARMA 4 (1), 245-249  | M. GIATMAN |  |   | 1 |
| 34. | The Effect of The Web-based Learning Media on Learning Outcomes<br>International Conference on Education, Science and Technology, 31-35  | M. GIATMAN |  | 1 |   |
| 35. | Effectivity of Online Learning Teaching Materials Model on Innovation Course of Vocational and Technology Education<br>Journal of Physics: Conference Series 1387 (1), 012131                                | M. GIATMAN |  | 4 |   |
| 36. | Needs analysis pedagogy project management of technology and vocational educational with the approach of project base learning in higher education<br>Journal of Physics: Conference Series 1387 (1), 012066 | M. GIATMAN |  | 6 |   |
| 37. | Developing mobile-based project-based learning module for project management courses in vocational education<br>Jurnal Pendidikan Vokasi 9 (2), 207-216  | M. GIATMAN |  | 7 |   |
| 38. | Evaluation of Teacher Professional Education Program (PPG) Teaching Graduates Edge Area, Front Area, and Left Side Area of Indonesia (SM-3T) of Universitas Negeri Padang                                    | M. GIATMAN |  | 4 |   |

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|     | International Journal of Educational Dynamics 1 (2), 301-307   |               |   |   |   |
| 39. | OVERVIEW OF FEASIBILITY OF SPACE, EQUIPMENT AND WORKSHOP CONSTRUCTION WOOD CONSTRUCTION PROGRAM CONDITIONS AT SMK NEGERI 2 LUBUK BASUNG<br>CIVED (Journal of Civil Engineering and Vocational Education) 5 (3)               | M. GIATMAN    | 3 |   |   |
| 40. | Analysis of the Stability of the Opening Hole Using Data from a Flat Jack Measuring Instrument on the Underground Mine Wall of PT. Nusa Alam Lestari, Sawahlunto<br>Bina Tambang 3 (4), 1761-1770                            | M. GIATMAN    | 3 |   |   |
| 41. | INVESTMENT FEASIBILITY ANALYSIS USING DISCOUNTED CASH FLOW METHOD GALENA TAMBANG PT. TRIPLE EIGHT ENERGY, KOTO PARIK GADANG DIATEH DISTRICT, SOLOK SELATAN PROVINCE SUMATERA BARAT<br>Bina Tambang 3 (2), 790-806            | M. GIATMAN    | 5 |   |   |
| 42. | DEVELOPMENT OF LIGHT VEHICLE ENGINEERING PRODUCTIVE COMPETENCIES AT SMK NI GUGUAK KABUPATEN 50 KOTA<br>M Giatman, A Antoni, S Syahril, H Maksum<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 1 (1), 19-24                         | M. GIATMAN    | 2 |   |   |
| 43. | Factors Influencing Career Choices in Civil Engineering Students of the Civil Engineering Study Program Building Engineering (D3) FT-UNP<br>Journal of Civil Engineering dan Vocational Education 5 (1), 2095-2099           | M. GIATMAN    | 1 |   |   |
| 44. | Development of Learning Devices Using Problem Based Learning Model<br>Jurnal Pendidikan Teknologi Kejuruan 2 (1), 9-15   | SUPARNO       |   | 2 |   |
| 45. | Development of Online-Based Learning Modules in Class XI Electrical Lighting Installation Training Courses in Vocational High Schools<br>Ranah Research: Journal of Multidisciplinary Research and Development 2 (4) 133-138 | HANSI EFFENDI |   |   | 4 |
| 46. | Design and Build a Sorting Control Tool Based on Four Color Codes<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 6 (2), 391-402  | HANSI EFFENDI |   |   | 3 |



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| 47. | Microcontroller Based Motorcycle Monitoring System Using GPS<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 6 (2), 383-390  | HANSI EFFENDI |  |    | 1 |
| 48. | The Conceptual and Hypothetical Model of Interactive Blended Problem Based Learning<br>JPI (Jurnal Pendidikan Indonesia) 8 (2), 285-292   | HANSI EFFENDI |  |    | 5 |
| 49. | The Effectiveness of Problem-Based Learning Models in Electrical Power Installation Subjects in Vocational High Schools<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 6 (1), 42-48   | HANSI EFFENDI |  |    | 3 |
| 50. | Development of Job Sheets for Electrical Motor Installation Subjects for Class XI TITL<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 6 (1), 35-41  | HANSI EFFENDI |  |    | 3 |
| 51. | Augmented Reality as an Innovative Learning Media in the 4.0 Industrial Revolution Era<br>Jurnal Teknologi Informasi dan Pendidikan 12 (2), 62-67   | HANSI EFFENDI |  | 4  |   |
| 52. | Teacher's Opinion After Training on Video-Based Learning Management System Using Moodlecloud<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 5 (2), 52-58  | HANSI EFFENDI |  | 1  |   |
| 53. | The Influence of Guided Discovery Learning Model on Student Learning Outcomes in Basic Electrical and Electronics Subjects<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 5 (2), 17-21  | HANSI EFFENDI |  | 2  |   |
| 54. | The effect of using e-learning learning media on student learning motivation at Padang State University<br>JTEV (Jurnal Teknik Elektro Dan Vokasional) 5 (2), 11-16   | HANSI EFFENDI |  | 52 |   |
| 55. | Flipped Classroom as an Alternative Learning in Basic Electrical and Electronics Subjects<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 5 (1), 81-86   | HANSI EFFENDI |  | 6  |   |
| 56. | The Contribution of Mastery of Productive Knowledge and Experience of Industrial Work Practices to Entrepreneurial Readiness of Students in the Department of Computer Network Engineering<br>Jurnal Imiah Pendidikan dan Pembelajaran 3 (3), 246-255 | HANSI EFFENDI |  | 1  |   |
| 57. | Development of Learning Modules Manual Shield Metal Arc Welding (SMAW) with   | HANSI EFFENDI |  | 4  |   |

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|     | Service Learning Approach<br>International Research Journal of Advanced Engineering and Science 2 (2) 156-162   |               |   |   |   |
| 58. | Mobile Learning as an Alternative for Continuing Professional Development for Professional Teachers<br>INA-Rxiv   | HANSI EFFENDI | 8 |   |   |
| 59. | Cloud-Based Learning Management System as an Alternative Learning Media for Teachers in Kabupaten Lima Puluh Kota<br>INA-Rxiv   | HANSI EFFENDI | 3 |   |   |
| 60. | Development of Interactive Blended Learning Models with Borg and Gall Procedures<br>INA-Rxiv  | HANSI EFFENDI | 8 |   |   |
| 61. | Development of Web-Based Interactive Learning Model: A Preliminary Study in the Department of Electrical Engineering, Faculty of Engineering, State University of Padang<br>INA-Rxiv          | HANSI EFFENDI | 2 |   |   |
| 62. | Implications of learning styles in blended learning design<br>INA-Rxiv  | HANSI EFFENDI | 8 |   |   |
| 63. | Student Perceptions of the Use of E-learning in Programming Language Learning at the Faculty of Engineering, UNP<br>INA-Rxiv  | HANSI EFFENDI | 8 |   |   |
| 64. | Cloud-Based Learning Management System as a Learning Alternative for Junior High School Teachers<br>Jurnal Teknologi Informasi Dan Pendidikan 11 (2), 80-84                                   | HANSI EFFENDI | 3 |   |   |
| 65. | Blended Learning Effectiveness in Improving Learning Access in Higher Education<br>5th UPI International Conference on Technical and Vocational Education and Training (ICTVET) 2019, 198-301 | HANSI EFFENDI | 5 |   |   |
| 66. | Development of Learning Media Based on Video Tutorials to Improve Learning Effectiveness in Cosmetology Courses<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 20 (1), 85-92             | SYAHRIL       |   |   | 3 |
| 67. | Comparison of ICT Using in Learning between Indonesia and Malaysia<br>Journal of Physics: Conference Series 1387 (1), 012133  | SYAHRIL       |   | 5 |   |

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| 68. | A comparison of the problem-solving skills of students in PjBL versus CPjBL model:<br>An experimental study<br>Journal of Technical Education and Training 11 (1)                                   | SYAHRIL          |    | 8 |   |
| 69. | Development of Learning Devices Using Problem Based Learning Model<br>Jurnal Pendidikan Teknologi Kejuruan 2 (1), 9-15  | SYAHRIL          |    | 1 |   |
| 70. | Katamaran Tourism Ship Design Study for the Development of West Sumatra Lake<br>Tourism<br>Jurnal Sains dan Teknologi 19 (1), 67-71   | SYAHRIL          |    | 1 |   |
| 71. | Feasibility Analysis for Local Industry of Gonggong Crackers in Batam<br>International Journal of Scientific & Technology Research 8 (6), 134-136   | SYAHRIL          |    | 4 |   |
| 72. | Intelligent Decision Support System Using Certainty Factor Method For Selection<br>Student Career<br>2018 2nd International Conference on Electrical Engineering and Informatics                    | SYAHRIL          | 3  |   |   |
| 73. | Effectivity of The Cooperative-Project Based Learning (CPjBL) in Enhancing HOTS<br>of Vocational Education Students<br>International Conference Asosiasi Pendidikan Teknologi dan Kejuruan          | SYAHRIL          | 11 |   |   |
| 74. | Productive Competency Development of Light Vehicle Engineering Skills at SMK N<br>1 Guguk Kabupaten 50 Kota<br>Jurnal Pendidikan Teknologi Kejuruan 1 (1), 19-24                                    | SYAHRIL          | 2  |   |   |
| 75. | Contribution of Performance Expectations, Business, Social Factors and Facilities to<br>the Attitude of Information System Operators<br>Jurnal Nasional Teknologi dan Sistem Informasi 4 (1), 44-52 | SYAHRIL          | 2  |   |   |
| 76. | Realizing the Goal of Establishing a Community Academy through the<br>Implementation of the Project Based Learning Model<br>Jurnal Pendidikan Teknologi Kejuruan 1 (2), 51-58                       | SYAHRIL          | 5  |   |   |
| 77. | Numerical Ability Mapping Analysis of Vocational High School Students' Item<br>Response Theory Model<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 20 (3), 11-22                              | NIZWARDI JALINUS |    |   | 1 |
| 78. | Developing Critical Thinking Skills Through Collaboration of Jigsaw Models with<br>Problem-Based Learning Models<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 20 (3), 43-52                  | NIZWARDI JALINUS |    |   | 1 |



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| 79. | Effectiveness of Project Based Learning-Based E-Modules in Visual Programming Courses<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 3 (2), 109-113   | NIZWARDI JALINUS |  |  | 1  |
| 80. | The Influence of Teaching Readiness on Teaching Attitudes of Prospective Young Teachers<br>Jurnal Vokasi Mekanika (VoMek) 2 (2), 15-21   | NIZWARDI JALINUS |  |  | 1  |
| 81. | DEVELOPMENT OF AN INCLUDING SCHOOL CURRICULUM MODEL BASED ON THE INDIVIDUAL NEEDS OF THE STUDENTS<br>Jurnal Pendidikan 21 (1), 51-63   | NIZWARDI JALINUS |  |  | 13 |
| 82. | Development of work based learning (WBL) learning model in heat transfer courses<br>Journal of Physics: Conference Series 1481 (1), 012113   | NIZWARDI JALINUS |  |  | 5  |
| 83. | Implementation of Problem-Based Learning in the 2013 Curriculum at SMK Negeri 2 Padang<br>Konstruktivisme: Jurnal Pendidikan Dan Pembelajaran 12 (1), 12-25                            | NIZWARDI JALINUS |  |  | 8  |
| 84. | Comparison of Learning Style between Engineering and Non-Engineering Students in Vocational Education<br>International Journal of Innovation, Creativity and Change 13 (12), 283-294   | NIZWARDI JALINUS |  |  | 4  |
| 85. | Cooperative project based learning models in programming languages: A proposed<br>Int. J. Adv. Sci. Technol 29 (06), 1876-1886   | NIZWARDI JALINUS |  |  | 7  |
| 86. | How Project-Based Learning and Direct Teaching Models Affect Teamwork and Welding Skills Among Students<br>International Journal of Innovation, Creativity and Change. 11 (11), 85-111 | NIZWARDI JALINUS |  |  | 8  |
| 87. | Project Based Learning in Vocational Technology Education Study of Literature<br>International Journal of Scientific & Technology Research 9 (2), 2821-2825                            | NIZWARDI JALINUS |  |  | 2  |
| 88. | Blended Learning as Instructional Model in Vocational Education: Literature Review<br>Universal Journal of Educational Research 8 (11B), 5801-5815                                     | NIZWARDI JALINUS |  |  | 14 |

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| 89. | Development of Blended Learning Model Based on Project in Computer Network Design and Management<br>Journal of Physics: Conference Series 1387 (1), 012010  | NIZWARDI JALINUS |  | 1  |  |
| 90. | Comparison of ICT using in learning between Indonesia and Malaysia<br>Journal of Physics: Conference Series 1387 (1), 012133  | NIZWARDI JALINUS |  | 5  |  |
| 91. | Comparison of the Use of Print Modules with Interactive Multimedia on Learning Outcomes in terms of Student Creativity<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 19 (2), 67-74                                    | NIZWARDI JALINUS |  | 2  |  |
| 92. | Factors influencing the critical and creative thinking skills of college students in computational physics courses<br>Journal of Physics: Conference Series 1317 (1), 012172  | NIZWARDI JALINUS |  | 4  |  |
| 93. | Design and need analysis of Computer Devices' expert system using forward chaining method<br>International Journal of GEOMATE 17 (61), 202-207  | NIZWARDI JALINUS |  | 3  |  |
| 94. | REVIEWING THE CURRICULUM IN THE ERA OF THE INDUSTRIAL REVOLUTION 4.0 FOR VOCATIONAL EDUCATION<br>Wahana Didaktika: Jurnal Ilmu Kependidikan 17 (2), 228-239   | NIZWARDI JALINUS |  | 1  |  |
| 95. | Influence of Website Quality BPS Kab. Siak Against Website User Satisfaction Using the Webqual 4.0 Method<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 19 (1), 129-138   | NIZWARDI JALINUS |  | 2  |  |
| 96. | Implementation of least-square constrain inversion method of geoelectrical resistivity data Wenner-Schlumberger for investigation the characteristic of landslide<br>Journal of Physics: Conference Series 1185 (1), 012013 | NIZWARDI JALINUS |  | 6  |  |
| 97. | Vocational education curriculum in the era of the industrial revolution 4.0<br>Jurnal Pendidikan 20 (1), 82-90  | NIZWARDI JALINUS |  | 17 |  |
| 98. | A comparison of the problem-solving skills of students in PjBL versus CPjBL model: An experimental study<br>Journal of Technical Education and Training 11 (1)  | NIZWARDI JALINUS |  | 8  |  |
| 99. | Development of Learning Devices Using Problem Based Learning Model<br>Jurnal Pendidikan Teknologi Kejuruan 2 (1), 9-15  | NIZWARDI JALINUS |  | 2  |  |

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| 100. | Review project based learning<br>International Journal of Science and Research (IJSR) 8 (4), 1014-1018   | NIZWARDI JALINUS |    | 7 |  |
| 101. | The Effect of Learning Discipline on Learning Achievement of Class X Students In Vocational High School 5 Padang<br>International Journal of Educational Dynamics 2 (1), 263-273           | NIZWARDI JALINUS |    | 1 |  |
| 102. | Development of Learning Modules Manual Shield Metal Arc Welding (SMAW) with Service Learning Approach<br>International Research Journal of Advanced Engineering and Science 2              | NIZWARDI JALINUS |    | 4 |  |
| 103. | E-Learning-Based Learning Analysis with Cloud Computing Technology<br>JOISIE (Journal Of Information Systems And Informatics Engineering) 2 (2), 49-56                                     | NIZWARDI JALINUS | 5  |   |  |
| 104. | Proposed Student Data Processing System at Junior High School Harapan Ananda Kubu Raya<br>Jurnal Pendidikan Informatika dan Sains 7 (2), 271-280   | NIZWARDI JALINUS | 1  |   |  |
| 105. | The Role of Social Media in Health Promotion Efforts: Literature Review<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 18 (2), 25-34  | NIZWARDI JALINUS | 27 |   |  |
| 106. | A Literature Study of Radio Frequency Identification Applications in Agriculture<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 18 (1), 107-116                                       | NIZWARDI JALINUS | 2  |   |  |
| 107. | Reproductive health education for adolescents (Literature Review)<br>INVOTEK: Jurnal Inovasi Vokasional Dan Teknologi 18 (1), 83-90  | NIZWARDI JALINUS | 6  |   |  |
| 108. | Influence of learning strategy of cognitive conflict on student misconception in computational physics course<br>IOP Conference Series: Materials Science and Engineering 335 (1), 012074  | NIZWARDI JALINUS | 25 |   |  |
| 109. | Expert system in the application of learning models with forward chaining method<br>International Journal of Engineering & Technology 7 (2.29), 845-848                                    | NIZWARDI JALINUS | 15 |   |  |
| 110. | The Relationship between Understanding Occupational Safety and Health, Student Discipline, and Lecturer Guidance on Practical Work of Students of the Mechanical Engineering Study Program | NIZWARDI JALINUS | 1  |   |  |

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|      | Jurnal Teknik Mesin 11 (2), 58-62  |                   |   |   |   |
| 111. | The instructional media development of welding practice course based on PjBL model: enhancing student engagement and student competences<br>International Journal of Innovation and Learning 24 (4), 383-397 | NIZWARDI JALINUS  | 9 |   |   |
| 112. | Realizing the Goal of Establishing a Community Academy through the Implementation of the Project Based Learning Model<br>Jurnal Pendidikan Teknologi Kejuruan 1 (2), 51-58                                   | NIZWARDI JALINUS  | 5 |   |   |
| 113. | Pre-Married Education: Movement Responsibility in a Family<br>International Conference On Social Studies, Globalisation And Technology   | Z MAWARDI EFFENDI |   |   | 1 |
| 114. | Development of guidance and counseling modules for the management of students' academic stress<br>Jurnal Konseling Dan Pendidikan 8 (2), 72-78   | Z MAWARDI EFFENDI |   |   | 3 |
| 115. | The Effect of Parents' Income and Learning Achievement on Interest in Continuing Education in Higher Education in Class XII Accounting Students at SMK Negeri 2 Pariaman<br>Jurnal Ecogen 2 (4), 687-695     | Z MAWARDI EFFENDI |   | 5 |   |
| 116. | Physical Education and Health Sports (PEHS) Learning Model through Investment Group Online in Digital Era<br>International Conference on Education Technology (ICoET 2019), 215-219                          | Z MAWARDI EFFENDI |   | 1 |   |
| 117. | The Effectiveness of Group Counseling with Role-Playing Techniques to Increase Student Empathy<br>International Journal of Applied Counseling and Social Sciences 1 (1), 54-61                               | Z MAWARDI EFFENDI |   | 3 |   |
| 118. | Development of Android-Based Mobile Learning in Biology Subjects for Class X High School<br>Wahana Didaktika: Jurnal Ilmu Kependidikan 17 (3), 356-365   | Z MAWARDI EFFENDI |   | 1 |   |
| 119. | Application of Integrated Learning Model on Islamic Education in Improving Students Self Control in Madrasah Ibtidaiyah<br>1st International Conference on Innovation in Education (ICoIE 2018), 65-70       | Z MAWARDI EFFENDI |   | 4 |   |
| 120. | Implications of learning styles in blended learning design<br>INA-Rxiv   | Z MAWARDI EFFENDI | 8 |   |   |

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| 121. | Development of Inquiry Learning Model in Islamic Religious Education (PAI) Subject in Elementary School<br>Advances in Social Science, Education and Humanities Research 261, 66-71                         | Z MAWARDI EFFENDI | 1  |  |   |
| 122. | Development of integrated learning model of islamic education subject and student self control<br>Jurnal Aplikasi IPTEK Indonesia 2 (2), 80-89  | Z MAWARDI EFFENDI | 1  |  |   |
| 123. | Internal locus of control and self-concept as factors affecting the career maturity of high school students<br>International Journal of Research in Counseling and Education 2 (1), 24-31                   | Z MAWARDI EFFENDI | 14 |  |   |
| 124. | The Effectiveness of Group Guidance with Modelling in Increasing The Maturity of Career Choice<br>International Journal of Research in Counseling and Education 1 (1), 37-46                                | Z MAWARDI EFFENDI | 1  |  |   |
| 125. | The Effect of Blended Learning on Students' Learning Motivation in the Research Methodology Course, Economics Education Department, FE UNP<br>Jurnal Ecogen 1 (1), 28-35                                    | Z MAWARDI EFFENDI | 3  |  |   |
| 126. | DEVELOPMENT OF INQUIRY LEARNING MODEL IN ISLAMIC RELIGIOUS COURSES (PAI) IN ELEMENTARY SCHOOL<br>Proceeding IAIN Batusangkar 1 (2), 45-60   | Z MAWARDI EFFENDI | 3  |  |   |
| 127. | Development of Web-Based Learning Modules in the Subject of Application of Electronic Circuits<br>Jurnal Pendidikan Teknik Elektro 1 (1), 122-125   | SUKARDI           |    |  | 1 |
| 128. | Optimizing the Use of E-learning with the Delone and McClean Model<br>Journal of Education Technology 4 (2), 141-149  | SUKARDI           |    |  | 1 |
| 129. | Study Recognizing the Characteristics of the LPTK Curriculum at the Electrical Engineering Education Study Program, Universitas Negeri Padang<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 6 (2), 232-236 | SUKARDI           |    |  | 1 |
| 130. | Flipped Classroom-Computer Based Instruction for Learning in the Industrial Revolution 4.0: Design and Needs Analysis<br>Edumatic: Jurnal Pendidikan Informatika 4 (1), 63-72                               | SUKARDI           |    |  | 5 |
| 131. | Effect of Application of Control Valve Cooler 1 System Based on Microcontroller ATmega 2560 on Feed Moisture After Mixing with Bagging Off at PT. Japfa Comfeed Indonesia                                   | SUKARDI           |    |  | 4 |



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| 132. | Effectivity of Online Learning Teaching Materials Model on Innovation Course of Vocational and Technology Education<br>Journal of Physics: Conference Series 1387 (1), 012131   | SUKARDI |   | 4 |   |
| 133. | Evaluation Program of Work Practice in Industrial Vocational High School (Seen From Respondents Teacher Supervisor)<br>International Journal of Educational Dynamics 2 (1), 180-187   | SUKARDI |   | 2 |   |
| 134. | Buck Converter As Power Flow Regulator In Regenerative Braking<br>Jurnal EECCIS 12 (2), 93-97   | SUKARDI |   | 2 |   |
| 135. | Development of Electrical Measurement Training Kits as Learning Media in the Subject of Understanding the Measurement of Electronic Components at SMK Muhammadiyah 1 Padang<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 18 (1), 91-98 | SUKARDI | 1 |   |   |
| 136. | Development of E-Module Learning Electric Motor Installation with Example Non Example Method<br>Jurnal Pendidikan Teknik Elektro 1 (1), 87-90   | USMELDI |   |   | 3 |
| 137. | Pengembangan E-Modul Dasar-dasar Listrik dan Elektronika Berbasis Problem-Based Learning<br>Jurnal Pendidikan Teknik Elektro 1 (1), 71-74   | USMELDI |   |   | 4 |
| 138. | Development of Problem Solving-based Interactive Learning E-Media in Basic Electrical and Electronics Subjects<br>Jurnal Pendidikan Teknik Elektro 1 (1), 58-61   | USMELDI |   |   | 1 |
| 139. | Feasibility Test Analysis of Electrical and Electronics Elementary Book Class X Vocational High School<br>Jurnal Pendidikan Teknik Elektro 1 (1), 34-37   | USMELDI |   |   | 1 |
| 140. | Development of Interactive Electronic Books on Basic Electrical and Electronics Subjects for Vocational High School Students<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 6 (2), 369-374  | USMELDI |   |   | 2 |

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| 141. | Development of Problem-Based Student Activity Sheets in Basic Electrical and Electronics Subjects in Vocational High Schools<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 6 (2), 279-284  | USMELDI |  |   | 3 |
| 142. | Development of Learning Tools Based on Inquiry Practicum for Subjects Analyzing Electrical Circuits<br>JINoP (Jurnal Inovasi Pembelajaran) 6 (1), 62-74   | USMELDI |  |   | 6 |
| 143. | Meta Analysis of the Implementation of Educational Foundations in the Development of Student Books Using the Problem Based Learning Model for High School<br>Jurnal Penelitian Pembelajaran Fisika 5 (1)                            | USMELDI |  | 1 |   |
| 144. | Preliminary analysis of learners in developing student book oriented research based learning models using 3D pageflip professionals on science lessons junior high school<br>Journal of Physics: Conference Series 1185 (1), 012125 | USMELDI |  | 6 |   |
| 145. | THE EFFECTIVENESS OF GUIDED INQUIRY LEARNING OF INTEGRATED SCIENCE TO IMPROVE STUDENT'S COMPETENCE<br>Unnes Science Education Journal 8 (1)   | USMELDI |  | 2 |   |
| 146. | The effect of integrated learning model to the students competency on the natural science<br>Journal of Physics: Conference Series 1157 (2), 022022   | USMELDI |  | 6 |   |
| 147. | The effect of project-based learning and creativity on the students' competence at vocational high schools<br>Advances in Social Science, Education and Humanities Research 299, 14-17  | USMELDI |  | 5 |   |
| 148. | Web-Based Student Violation Information System Using Rapid Application Development<br>INTECOMS: Journal of Information Technology and Computer Science 3 (2), 234-242   | AMBIYAR |  |   | 4 |
| 149. | Development of multimedia learning mathematics as an effort to support the blended learning learning process<br>Jurnal Inovasi Teknologi Pendidikan 7 (2), 105-117  | AMBIYAR |  |   | 1 |
| 150. | Design and Build an Online Queue System for Outpatient Visits at Syafira Hospital Web-Based<br>INTECOMS: Journal of Information Technology and Computer Science 3 (2), 192-   | AMBIYAR |  |   | 5 |

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| 151. | The Effectiveness of Two-Way Communication in Flipped Classroom Oriented Blended Learning During the New Normal Covid 19<br>Media Bahasa, Sastra, dan Budaya Wahana 26 (2), 483-492  | AMBIYAR |  |  | 1 |
| 152. | Development of Macromedia Flash 8-Based Learning Media Using Contextual Teaching and Learning Approaches in Class V Elementary School Building Materials<br>Jurnal Cendekia: Jurnal Pendidikan Matematika 4 (2), 1281-1296 | AMBIYAR |  |  | 1 |
| 153. | Differences in Student Learning Independence during the Pandemic Period at SMAN 1 Lembah Melintang and SMAN 1 Lembah Gumanti<br>Jurnal Cendekia: Jurnal Pendidikan Matematika 4 (2), 1246-1258                             | AMBIYAR |  |  | 6 |
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| 156. | Numerical Ability Mapping Analysis of Vocational High School Students' Item Response Theory Model<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 20 (3), 11-22  | AMBIYAR |  |  | 1 |
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| 158. | The Perspective of Noble Moral Character Education on Changes in Student Behavior<br>Edukasi: Jurnal Pendidikan 18 (2), 170-181  | AMBIYAR |  |  | 4 |
| 159. | GENDER ANALYSIS AND INTELLECTUAL INTELLIGENCE ON CREATIVITY<br>Edukasi: Jurnal Pendidikan 18 (2), 182-191  | AMBIYAR |  |  | 8 |
| 160. | Utilization of E-Learning-based Learning Media in Improving Learning Outcomes in Music Learning Media Courses<br>Komposisi: Jurnal Pendidikan Bahasa, Sastra, dan Seni 21 (1), 62-72                                       | AMBIYAR |  |  | 6 |

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| 168. | The Influence of Teaching Readiness on Teaching Attitudes of Prospective Young Teachers<br>Jurnal Vokasi Mekanika (VoMek) 2 (2), 15-21  | AMBIYAR |  |  | 1 |
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| 170. | Developing project-based learning tools for light vehicle engine maintenance subjects at vocational high school<br>Jurnal Pendidikan Vokasi 10 (1), 22-33                           | AMBIYAR |  |  | 3 |
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| 175. | Studying technology-based XXI Century Learning using MOOC in Education<br>International Journal of Psychosocial Rehabilitation 24 (9), 2644-2650  | AMBIYAR |  |   | 5 |
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| 179. | Student Responses to the Implementation of the Matriculation Program<br>Edukasi: Jurnal Pendidikan 17 (2), 227-237  | AMBIYAR |  | 1 |   |
| 180. | The Effect of Bartender Service Quality on Customer Satisfaction at D'Nest Bar & Grill Crown Vista Hotel Batam<br>Journal of Accounting and Management Innovation 3 (1), 44-58  | AMBIYAR |  | 2 |   |
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| 189. | Analysis of Alumni Data Needs Based on AUN-QA Certification Criteria<br>Jurnal Pendidikan Teknik Elektro 1 (1), 67-70   | MUKHLIDI MUSKHIR |    |   | 1 |
| 190. | Development of automatic solar egg incubator to increase the productivity of super native chicken breeds<br>Journal of Physics: Conference Series 1594 (1), 012033  | MUKHLIDI MUSKHIR |    |   | 1 |
| 191. | IMPLEMENTATION OF HYBRID ELECTRICITY SYSTEM FOR INTEGRATED CHICKEN COLORS IN NAGARI SALAREH AIA<br>LOGISTA-Jurnal Ilmiah Pengabdian kepada Masyarakat 4 (1), 73-82  | MUKHLIDI MUSKHIR |    |   | 1 |
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| 195. | Development of Industrial Electrical Installation Trainer Nuanced To Training within Industry for Students of Electrical Industrial Engineering Universitas Negeri Padang<br>Journal of Physics: Conference Series 1165 (1), 012014 | MUKHLIDI MUSKHIR |   | 1  |   |
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| 199. | Review of Information and Communication Technology Implementation in Learning Activities: A Case Study of Vocational High Schools in Padang Panjang City<br>Jurnal Pendidikan Teknologi Kejuruan 2 (4), 103-109                     | REMON LAPISA     |   | 4  |   |
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| 212. | Analysis of the Satisfaction Level of Information Systems for Recording and Billing PDAM Customers' Water Accounts Using the End User Computing Satisfaction (EUCS) Method<br>Jurnal Teknologi Informasi dan Pendidikan 12 (1), 19-24 | MUHAMMAD ANWAR |    | 1 |   |

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| 233. | EVALUATION OF THE IMPLEMENTATION OF THE GYSNAMIC TRAINING PROGRAM AT THE SEMEN PADANG GENERAL CLUB<br>Jurnal Menssana 4 (Prodi Pendidikan Jasmani Kesehatan), 9-16                                  | WAKHINUDDIN<br>SIMATUPANG |    | 4 |   |
| 234. | RELATIONSHIP BETWEEN SELF-CONCEPT AND CAREER Maturity IN CLASS XI STUDENTS OF VOCATIONAL SCHOOL FOUNDATION PHARMACY SEMARANG<br>Jurnal Empat 8 (Fakultas Psikologi, Undip), 87-92                   | WAKHINUDDIN<br>SIMATUPANG |    | 5 |   |
| 235. | Expert Validity Pada Pengembangan Model Pembelajaran Berbasis Proyek E Commerce Pada Pembelajaran Kewirausahaan<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 1 (2), 43-50                                | WAKHINUDDIN<br>SIMATUPANG | 5  |   |   |
| 236. | Development of Web-Based Learning Media in Vocational Secondary School<br>VOLT: jurnal ilmiah Pendidikan teknik elektro 3 (1), 37-41  | WAKHINUDDIN<br>SIMATUPANG | 10 |   |   |
| 237. | IMPROVING STUDENT'S LEARNING ACTIVITIES USING COOPERATIVE LEARNING TYPE STAD IN AUTOMOTIVE BASIC LESSONS IN CLASS X AUTOMOTIVE AT SMK N 1 SUMBAR<br>Automotive Engineering Education Journals 1 (1) | WAKHINUDDIN<br>SIMATUPANG | 1  |   |   |
| 238. | Relationship between obtained ultimate bearing capacity results based on N-SPT results and static load tests<br>International Journal 19 (74), 153-160  | RUSNARDI RAHMAT<br>PUTRA  |    |   | 1 |
| 239. | Damage investigation and re-analysis of damaged building affected by the ground motion of the 2009 Padang earthquake<br>International Journal 18 (66), 163-170                                      | RUSNARDI RAHMAT<br>PUTRA  |    |   | 4 |
| 240. | Cooperative project based learning models in programming languages: A proposed<br>Int. J. Adv. Sci. Technol 29 (06), 1876-1886  | RUSNARDI RAHMAT<br>PUTRA  |    |   | 7 |
| 241. | Effectiveness of 3 Dimensional Mockup Media Characteristics of Padang City in Disaster Mitigation Course<br>Jurnal Imiah Pendidikan dan Pembelajaran 3 (3), 256-262                                 | RUSNARDI RAHMAT<br>PUTRA  |    | 1 |   |

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| 242. | Implementation of the 2013 Curriculum at SMK Negeri 1 Lintau Buo<br>CIVED (Journal of Civil Engineering and Vocational Education) 5 (4)  | RUSNARDI RAHMAT<br>PUTRA |   | 2  |    |
| 243. | Meta Analysis of the Effect of Problem Based Learning and Virtual Laboratory on Student Learning Outcomes<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 18 (2), 9-16                                 | RUSNARDI RAHMAT<br>PUTRA | 2 |    |    |
| 244. | Estimation of Earthquake Ground Motion in Padang City, Indonesia<br>International Journal of Geomate 1, S1   | RUSNARDI RAHMAT<br>PUTRA | 4 |    |    |
| 245. | Blended Learning as Instructional Model in Vocational Education: Literature Review<br>Universal Journal of Educational Research 8 (11B), 5801-5815   | KRISMADINATA             |   |    | 14 |
| 246. | Effect of skylight–roof ratio on warehouse building energy balance and thermal–visual comfort in hot-humid climate area<br>Asian Journal of Civil Engineering 21 (5), 915-923                              | KRISMADINATA             |   |    | 2  |
| 247. | Effectiveness of Development of Diva Learning Management System Model in Algorithm and Programming Course<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 3 (2), 104-108   | KRISMADINATA             |   |    | 2  |
| 248. | DC Motor Speed Control With PID Controller and Visual Basic Interface<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 6 (1), 328-339  | KRISMADINATA             |   |    | 4  |
| 249. | Design and Build a Single Phase Inverter With PWM Pulse Width Modulation Using a Computer Interface<br>Jtev (Jurnal Teknik Elektro Dan Vokasional) 6 (1), 340-351  | KRISMADINATA             |   |    | 1  |
| 250. | Design of Boost Converter Integrated with Graphical User Interface<br>MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 2  | KRISMADINATA             |   |    | 2  |
| 251. | Needs Assessment of E-Learning Vocational Education<br>International Journal of Innovation, Creativity and Change 11 (4), 262-274  | KRISMADINATA             |   |    | 14 |
| 252. | Improving Teacher Competence in Mastering Information and Communication Technology through Android-Based Learning Media Development Training<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 5 (2), 102-109 | KRISMADINATA             |   | 12 |    |

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| 253. | Development of learning media based on mobile learning on digital simulation subjects<br>Jurnal Inovasi Teknologi Pendidikan 6 (2), 116-126   | KRISMADINATA |    | 11 |  |
| 254. | 3 Phase Inverter VVVF Design for Three Phase Induction Motor Operation with Computer Interface<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 19 (2), 47-56  | KRISMADINATA |    | 5  |  |
| 255. | Design and Build Internet of Things (IoT) for Calculation of Energy Consumption Intensity<br>JURNAL TEKNIK 13 (2), 186-193  | KRISMADINATA |    | 1  |  |
| 256. | Single Phase Inverter Multilevel Comparison<br>Jurnal EECCIS 13 (2), 95-99  | KRISMADINATA |    | 3  |  |
| 257. | A New Algorithm with Different Modulation Index (Mi) In Cascaded H-Bridge Multilevel Inverters (CHB MLIs)<br>Journal of Theoretical and Applied Information Technology 97 (3)   | KRISMADINATA |    | 1  |  |
| 258. | Passive Cooling Strategies in Roof Design to Improve the Residential Building Thermal Performance in Tropical Region<br>Asian Journal of Civil Engineering, February. <a href="https://doi.org/10.1007">https://doi.org/10.1007</a> | KRISMADINATA |    | 5  |  |
| 259. | Developing Interactive Learning Multimedia on Basic Electrical Measurement Course<br>vol 299, 305-308   | KRISMADINATA |    | 14 |  |
| 260. | Development of Weblog Based Learning Media in Information and Communication Technology Guidelines<br>International Journal of Educational Dynamics 2 (1), 84-90   | KRISMADINATA |    | 4  |  |
| 261. | Three Phase Inverter Design and Analysis Using SPWM Method<br>Seminar Nasional Teknik Elektro 1 (01), 16-20   | KRISMADINATA | 2  |    |  |
| 262. | A Literature Study of the Problems Faced in Computer Networking Courses<br>INVOTEK: Jurnal Inovasi Vokasional Dan Teknologi 18 (2), 1-8   | KRISMADINATA | 12 |    |  |
| 263. | The Effect of Soil Thermal Inertia on Room Comfort<br>R Lapisa, K Krismadinata, A Arwizet, M Martias, A Arif, MY Setiawan<br>INVOTEK: Jurnal Inovasi Vokasional Dan Teknologi 18 (1), 99-106  | KRISMADINATA | 1  |    |  |

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| 264. | Development of Electrical Measurement Training Kits as Learning Media in the Subject of Understanding the Measurement of Electronic Components at SMK Muhammadiyah 1 Padang<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 18 (1), 91-98 | KRISMADINATA | 1  |   |   |
| 265. | The Effect of Pedagogic and Professional Competence of Post-Certification Vocational High School Teachers on Teacher Commitment to Implementing the Learning Process<br>Invotek: Jurnal Inovasi Vokasional Dan Teknologi 18 (1), 67-74        | KRISMADINATA | 11 |   |   |
| 266. | The Influence of Learning Culture on Learning Outcomes of Computer Skills and Information Management of Muhammadiyah 1 Padang Vocational High School Students<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 18 (2), 49-54               | KRISMADINATA | 5  |   |   |
| 267. | Contribution of Performance Expectations, Business, Social Factors and Facilities to the Attitude of Information System Operators<br>Jurnal Nasional Teknologi dan Sistem Informasi 4 (1), 44-52  | KRISMADINATA | 2  |   |   |
| 268. | Revisiting the School-Based Management Recent Studies<br>Pedagogi: Jurnal Ilmu Pendidikan 20 (2), 119-127   | FAHMI RIZAL  |    |   | 1 |
| 269. | The Contribution of 21st Century Teacher Skills to the Implementation of the 2013 Curriculum at SMK 1 West Sumatra<br>Jurnal Aplikasi IPTEK Indonesia 4 (2), 69-74  | FAHMI RIZAL  |    |   | 1 |
| 270. | The Contribution of the Learning Environment to the Technological Literacy Ability of Students at SMKN 7 and 9 Padang<br>Jurnal Aplikasi IPTEK Indonesia 4 (2), 75-80   | FAHMI RIZAL  |    |   | 1 |
| 271. | Development of Mobile Learning-Based Learning Media in Basic Electrical and Electronics Vocational High School Subjects<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 20 (1), 77-84   | FAHMI RIZAL  |    |   | 1 |
| 272. | Readiness of Vocational Teachers of SMKN 1 West Sumatra in Facing the Industrial Revolution Era 4.0<br>Jurnal Imiah Pendidikan dan Pembelajaran 3 (3), 280-288  | FAHMI RIZAL  |    | 6 |   |
| 273. | Analysis of Factors Affecting Student Interest in choosing the 2018 Building Engineering Education Study Program<br>CIVED (Journal of Civil Engineering and Vocational Education) 6 (3)   | FAHMI RIZAL  |    | 2 |   |

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| 274. | Design of the Multipurpose Hall of the State Vocational High School 1 Pariaman<br>CIVED (Journal of Civil Engineering and Vocational Education) 5 (3)                           | FAHMI RIZAL  | 2 |  |   |
| 275. | RELATIONSHIP OF MMK LEARNING OUTCOMES WITH THE TEACHING ABILITY OF FT-UNP STUDENTS<br>CIVED (Journal of Civil Engineering and Vocational Education) 5 (3)                       | FAHMI RIZAL  | 1 |  |   |
| 276. | EVALUATION AND HYPOTHETIC DESIGN OF INDUSTRIAL WORK PRACTICE PROGRAM (PRAKERIN) STUDENTS OF SMK NEGERI 2 PADANG PANJANG<br>JURNAL PENDIDIKAN TEKNOLOGI KEJURUAN 1 (1), 13-18    | FAHMI RIZAL  | 2 |  |   |
| 277. | Utilization of E-Learning-Based ICT Learning Using the Google Classroom Application During the COVID-19 Pandemic<br>Journal of Education Research and Evaluation 4 (4), 373-379 | HASAN MAKSUM |   |  | 3 |
| 278. | THE DEVELOPMENT OF WEB BASED LEARNING MEDIA NETWORK AND COMPUTER BASIC AT SMK NEGERI 1 LEMBAH MELINTANG<br>Cyberspace: Jurnal Pendidikan Teknologi Informasi 4 (2), 129-137     | HASAN MAKSUM |   |  | 2 |
| 279. | Development of Mobile Learning for Simulation and Digital Communications<br>Journal of Education Technology 4 (3), 310-316  | HASAN MAKSUM |   |  | 1 |
| 280. | The Development of Web-Based Learning Media on Western Bridal Make-Up Subject<br>Journal of Education Technology 4 (3), 264-272   | HASAN MAKSUM |   |  | 1 |
| 281. | Needs Analysis of Web-Based Learning Media Development Subject Network Infrastructure Administration<br>Jurnal Imiah Pendidikan Dan Pembelajaran 4 (2), 303-314                 | HASAN MAKSUM |   |  | 5 |
| 282. | The Effect of Vibration Energy Harvester Mechanism Toward the Shock Absorber Efficiency<br>Journal of Physics: Conference Series 1594 (1), 012034                               | HASAN MAKSUM |   |  | 1 |
| 283. | Developing Energy Conversion Teaching Material Based on Discovery Learning Model Through Scientific Approach<br>Jurnal Pendidikan dan Pengajaran 53 (2), 114-124                | HASAN MAKSUM |   |  | 1 |



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| 284. | Optimization of Electromagnetic Regenerative Shock Absorber (ERSA) Alnico Bar Magnet Type on Multi Purpose Vehicle (MPV) Rear Suspension<br>AEEJ: Journal of Automotive Engineering and Vocational Education 1 (1), 21-30                        | HASAN MAKSUM |   |   | 1 |
| 285. | Design and development of real time monitoring single axis solar tracker by using internet of things<br>International Journal of GEOMATE 18 (69), 81-87  | HASAN MAKSUM |   |   | 3 |
| 286. | Development of a Model for Automotive Vocational Education (AVE) Learning in Technical and Vocational Education Training<br>M hasan, P Wawan<br>International Journal of Innovation, Creativity and Change 9 (10), 297-294                       | HASAN MAKSUM |   | 1 |   |
| 287. | Development of the Electromagnetic Regenerative Shock Absorber as an Energy Harvesting Tool for Vehicles<br>MOTIVECTION: Journal of Mechanical, Electrical and Industrial Engineering 1  | HASAN MAKSUM |   | 1 |   |
| 288. | DEVELOPMENT OF SUSTAINABILITY SYSTEMS FOR OPEN GOVERNMENT DATA (OGD) MANAGEMENT BY COMBINING THE SHEL MODEL AND SOFT SYSTEMS METHODOLOGY ANALYSIS<br>Journal of Theoretical and Applied Information Technology 97 (12), 3227-3244                | HASAN MAKSUM |   | 2 |   |
| 289. | The Effect of Learning Discipline on Learning Achievement of Class X Students In Vocational High School 5 Padang<br>International Journal of Educational Dynamics 2 (1), 263-273   | HASAN MAKSUM |   | 1 |   |
| 290. | Optimal Design of Rotor Slot Geometry to Reduce Rotor Leakage Reactance and Increase Starting Performance for High-Speed Spindle Motors<br>Advances in Electrical and Electronic Engineering (AEEE), 17 (2), 96-105                              | HASAN MAKSUM |   | 1 |   |
| 291. | DESIGN OF ELECTROMAGNETIC REGENERATIVE SHOCK ABSORBER AS A TOOL OF HARVESTING VIBRATION ENERGY ON VEHICLE<br>International Journal Geomate 15 (50), 1-7  | HASAN MAKSUM | 5 |   |   |
| 292. | Contribution of Affective Experience of Industrial Work Practices on Students' Readiness to Enter the World of Work Class XII Light Vehicle Engineering Department at SMK N 1 Tilatang Kamang<br>Automotive Engineering Education Journals 1 (1) | HASAN MAKSUM | 1 |   |   |

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| 293. | The effect of comparing the use of roller racing with standard rollers on power and torque on automatic motors<br>Automotive Engineering Education Journals 1 (2)   | HASAN MAKSUM | 2 |  |   |
| 294. | The relationship between motivation to enter the workforce and work readiness of class XII students in Automotive Engineering at SMK Negeri 1 Batipuh<br>Automotive Engineering Education Journals 1 (1)  | HASAN MAKSUM | 1 |  |   |
| 295. | The relationship between self-concept and learning outcomes of automotive engineering drawing subjects for class X students of automotive light vehicle engineering skills at SMK Negeri 2 Lubuk ...<br>Automotive Engineering Education Journals 1 (1) | HASAN MAKSUM | 1 |  |   |
| 296. | RELATIONSHIP OF VOCATIONAL INTEREST WITH READINESS TO ENTER THE WORLD OF WORK AUTOMOTIVE ENGINEERING STUDENTS FACULTY OF ENGINEERING UNIVERSITAS NEGERI PADANG<br>Automotive Engineering Education Journals 1 (1)                                       | HASAN MAKSUM | 1 |  |   |
| 297. | The Contribution of Learning Creativity to the Learning Outcomes of Class X Students, Department of Light Vehicle Engineering (TKR) at SMK Negeri 2 Painan<br>Automotive Engineering Education Journals 1 (1)   | HASAN MAKSUM | 1 |  |   |
| 298. | Comparison of the use of various types of fuel on exhaust emissions in 4 stroke motorcycles<br>Automotive Engineering Education Journals 1 (2)  | HASAN MAKSUM | 4 |  |   |
| 299. | Productive Competency Development of Light Vehicle Engineering Skills at SMK N 1 Guguk Kabupaten 50 Kota<br>Jurnal Pendidikan Teknologi Kejuruan 1 (1), 19-24   | HASAN MAKSUM | 2 |  |   |
| 300. | Entrepreneurship Development at Lancang Kuning University Pekanbaru Students Based on Technology<br>JAS-PT (Jurnal Analisis Sistem Pendidikan Tinggi Indonesia) 4 (1), 1-8  | GANEFRI      |   |  | 2 |
| 301. | Community Empowerment in Marketing of Home Industry Products through the Application of E-Commerce in Kenagarian Vii Koto Talago Kecamatan Guguk Kabupaten 50 Kota<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 6 (2), 237-242                        | GANEFRI      |   |  | 2 |
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| 303. | Need analysis of the production based entrepreneurship training model: learning entrepreneurship in higher education<br>COUNS-EDU: The International Journal of Counseling and Education 5 (2), 58-63                             | GANEFRI |    |    | 4 |
| 304. | Development of Project-Based Learning Modules for Vocational Digital Communication and Simulation Subjects<br>Pedagogi: Jurnal Ilmu Pendidikan 20 (1), 33-42  | GANEFRI |    |    | 2 |
| 305. | The Relationship Between Motivation and Student Work Readiness at SMKN 1 Lubuk Sikaping<br>Jurnal Imiah Pendidikan dan Pembelajaran 4 (1), 122-127  | GANEFRI |    |    | 1 |
| 306. | THE CONTRIBUTION OF PRINCIPAL LEADERSHIP STYLE, TEACHERS' PROFESSIONAL COMPETENCE AND SCHOOL CLIMATE ON THE QUALITY OF LEARNING OUTCOMES AT VOCATIONAL HIGH SCHOOL IN PADANG<br>Jurnal Pendidikan Teknologi Kejuruan 3 (1), 26-30 | GANEFRI |    |    | 1 |
| 307. | Mini Server Lantern as an Alternative for Digital Learning in 3t Regions<br>Jurnal Teknologi Informasi dan Pendidikan 12 (2), 77-82   | GANEFRI |    | 4  |   |
| 308. | Development of Product Oriented Modules on Learning Building Materials for Civil Engineering Students<br>International Journal of Scientific & Technology Research 8 (8), 122-124   | GANEFRI |    | 2  |   |
| 309. | A Policy Model of Adaptation Mitigation and Social Risks The Volcano Eruption Disaster of Sinabung in Karo Regency-Indonesia<br>International Journal of GEOMATE 17 (60), 190-196   | GANEFRI |    | 11 |   |
| 310. | The Effect of Halal Tourism Destination Program on Sociocultural Characteristics Toward Education Development in Lombok Timur District<br>Science and Environmental Journal for Postgraduate 1 (1), 17-27                         | GANEFRI | 3  |    |   |
| 311. | Learning outcomes with the application of product based entrepreneurship module in vocational higher education<br>Jurnal Pendidikan Vokasi 8 (2), 120-131   | GANEFRI | 16 |    |   |

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| 312. | Development of Modules and Trainers Using Atmega 16-Based Dc Motors in Learning Electric Motor Installation<br>Jurnal Pendidikan Teknologi Kejuruan 1 (2), 59-66                                   | GANEFRI        | 1  |    |   |
| 313. | Efficiency of 128-bit Encryption and Decryption Process in Elgamal Method Using Elliptic Curve Cryptography (ECC)<br>Telkomnika 16 (1), 352-360  | GANEFRI        | 1  |    |   |
| 314. | Effectiveness of interactive instructional media on Electrical Circuits<br>International Journal Of Engineering & Technology 7 (2), 220-223  | GANEFRI        | 19 |    |   |
| 315. | Entrepreneurship Pedagogy Learning Tool With Product-Based Learning Approach in Vocational Education<br>Prosiding Seminar Nasional & Internasional 1 (1)   | GANEFRI        | 10 |    |   |
| 316. | A New Image Encryption Technique Combining Hill Cipher Method, Morse Code and Least Significant Bit Algorithm<br>Journal of Physics: Conference Series 954 (1), 012003                             | GANEFRI        | 16 |    |   |
| 317. | Development of Entrepreneurship Training Model of " Smart Entrepreneur Model"(SEM) at the Universitas Negeri Padang<br>JURNAL PENDIDIKAN DAN KELUARGA 12 (01), 12-29                               | ASMAR YULASTRI |    |    | 3 |
| 318. | Need analysis of the production based entrepreneurship training model: learning entrepreneurship in higher education<br>COUNS-EDU:The International Journal of Counseling and Education 5(2),58-63 | ASMAR YULASTRI |    |    | 4 |
| 319. | The Impact of Government Policies towards the Economy and Education of Fishermen's Children in Padang City<br>IOP Conference Series: Earth and Environmental Science 469 (1), 012057               | ASMAR YULASTRI |    |    | 6 |
| 320. | Entrepreneurship Training for MSMEs Kenagarian Guguak VIII Koto Kabupaten 50 Kota<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 5 (2), 119-124  | ASMAR YULASTRI |    | 1  |   |
| 321. | Development of Competency Based Learning Model in Learning Computer Networks<br>Journal of Physics: Conference Series 1387 (1), 012109   | ASMAR YULASTRI |    | 12 |   |
| 322. | Using belimbing wuluh (averhoa blimbi l.) as a functional food processing product<br>Jurnal Pendidikan Tata Boga Dan Teknologi 1 (1), 47-55  | ASMAR YULASTRI |    | 4  |   |

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| 323. | Effectiveness of Competency Based Learning Models in Computer Networks Learning<br>International Journal of Educational Dynamics 1 (2), 284-292  | ASMAR YULASTRI |   | 3  |  |
| 324. | The Relationship between the School Environment and the Learning Outcomes of Class XII Students Catering Services for Dishes at SMK Negeri 2 Bukittinggi<br>Jurnal Kapita Selekt Geografi 2 (2), 110-123                                 | ASMAR YULASTRI |   | 2  |  |
| 325. | Entrepreneurial Character in Students of the Department of Family Welfare, Faculty of Tourism and Hospitality, Universitas Negeri Padang<br>Jurnal Kapita Selekt Geografi 2 (2), 15-20   | ASMAR YULASTRI |   | 1  |  |
| 326. | The Relationship of Information in the World of Work, Entrepreneurship Competence with Entrepreneurial Interests of UNP Catering Students<br>Jurnal Kapita Selekt Geografi 2 (2), 1-6  | ASMAR YULASTRI |   | 1  |  |
| 327. | Effectiveness of collaborative problem based learning model of learning computer network courses<br>Proc. 5th UPI Int. Conf. Tech. Vocat. Educ. Train.(ICTVET 2018) 299, 309-312   | ASMAR YULASTRI |   | 15 |  |
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| 329. | Evaluation of Program Implementation in Industrial Work Practices of State Vocational High School 3 of Students in Batam<br>1st Workshop on Environmental Science, Society, and Technology, 43   | ASMAR YULASTRI |   | 16 |  |
| 330. | Development of Learning Modules on Cake Decorating Subjects in the IKK FPP UNP Department<br>Jurnal Pendidikan Teknologi Kejuruan 1 (4), 149-153   | ASMAR YULASTRI | 2 |    |  |
| 331. | An evaluation of students industrial training courses implementation at higher education<br>Jurnal Pendidikan Vokasi 8 (3), 258-266  | ASMAR YULASTRI | 4 |    |  |
| 332. | Contribution of Entrepreneurship Pedagogy Learning Model with Production-Based Learning Approach to Entrepreneurs Learning Outcomes in Vocational Higher Education<br>International Journal of Scientific Research and Management 6 (10) | ASMAR YULASTRI | 1 |    |  |



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| 333. | DEVELOPMENT OF INTERACTIVE MULTIMEDIA IN ENTREPRENEURSHIP COURSE OF FAMILY WELFARE EDUCATION STUDY PROGRAM UNIVERSITAS NEGERI PADANG<br>Journal of Home Economics and Tourism 14 (1) | ASMAR YULASTRI | 1  |  |    |
| 334. | Learning outcomes with the application of product based entrepreneurship module in vocational higher education<br>Jurnal Pendidikan Vokasi 8 (2), 120-131                            | ASMAR YULASTRI | 16 |  |    |
| 335. | Relevance of the productive course of hair beauty in vocational high schools to industry needs<br>Jurnal Pendidikan Teknologi dan Kejuruan 24 (1), 125-131                           | ASMAR YULASTRI | 6  |  |    |
| 336. | Entrepreneurship Pedagogy Learning Tool With Product-Based Learning Approach in Vocational Education<br>Prosiding Seminar Nasional & Internasional 1 (1)                             | ASMAR YULASTRI | 10 |  |    |
| 337. | Web-Based Student Violation Information System Using Rapid Application Development<br>INTECOMS: Journal of Information Technology and Computer Science 3 (2), 234-242                | DEDY IRFAN     |    |  | 4  |
| 338. | Design and Build an Online Queue System for Outpatient Visits at Syafira Hospital Web-Based<br>INTECOMS: Journal of Information Technology and Computer Science 3 (2), 192-198       | DEDY IRFAN     |    |  | 5  |
| 339. | EFFECTIVENESS OF OCCUPATIONAL THERAPY USING ROBOT MANIPULATOR FOR ELDERLY<br>International Journal Of Multi Science 1 (09), 1-9  | DEDY IRFAN     |    |  | 8  |
| 340. | Customer Sentiment Level Measurement Application Based on Pln Customer Complaints Using the K-Nearest Neighbor Algorithm<br>INVOTEK Polbeng-Seri Informatika 5 (2), 332-346          | DEDY IRFAN     |    |  | 1  |
| 341. | Blended Learning: A 21st Century Learning Model At College<br>International Journal Of Multi Science 1 (08), 50-65   | DEDY IRFAN     |    |  | 17 |
| 342. | Identification of Student Learning Style in Determining Learning Media Using Expert Systems<br>Progress in Social Science, Humanities and Education Research Symposium, 22-26        | DEDY IRFAN     |    |  | 2  |

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| 343. | The Development of Power Electronics Training Kits for Electrical Engineering Students: A Validity Test Analysis<br>Jurnal Pendidikan Teknologi Kejuruan 3 (2), 114-120                          | DEDY IRFAN |  |    | 25 |
| 344. | Designing and Developing Artificial Intelligence Applications Troubleshooting Computers as Learning Aids<br>Asian Social Science and Humanities Research Journal (ASHREJ) 2 (1), 38-44           | DEDY IRFAN |  |    | 8  |
| 345. | Design and Build a Web-Based Archive Information System Using the Codeigniter Framework<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 8 (1), 44-52                        | DEDY IRFAN |  |    | 1  |
| 346. | AAM CELL SALES MANAGEMENT INFORMATION SYSTEM<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 7 (4), 254-262   | DEDY IRFAN |  |    | 1  |
| 347. | The Role of Swallowing Drug Supervisors in Combating Tuberculosis in the Work Area of the Pekanbaru City Health Office<br>Jurnal Kesehatan Komunitas 6 (3), 342-347                              | DEDY IRFAN |  |    | 1  |
| 348. | Teacher's Opinion After Training on Video-Based Learning Management System Using Moodlecloud<br>JTEV (Jurnal Teknik Elektro dan Vokasional) 5 (2), 52-58   | DEDY IRFAN |  | 1  |    |
| 349. | Enrichment in the Electrical Engineering Vocational and Education (EEVE) Study Program by Augmenting the Image Processing Study Course<br>Journal of Physics: Conference Series 1387 (1), 012013 | DEDY IRFAN |  | 13 |    |
| 350. | Developing mobile-based project-based learning module for project management courses in vocational education<br>Jurnal Pendidikan Vokasi 9 (2), 207-216  | DEDY IRFAN |  | 7  |    |
| 351. | Influence of Website Quality BPS Kab. Siak Against Website User Satisfaction Using the Webqual 4.0 Method<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 19 (1), 129-138                    | DEDY IRFAN |  | 2  |    |
| 352. | Designing E-Mandeh in the Mandeh Tourism Area Using a Web-Based CodeIgniter Framework<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 7 (3), 41-48                          | DEDY IRFAN |  | 3  |    |

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| 353. | Design and Build Interactive Learning Media for Computers and Basic Networks in Vocational High Schools<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 7 (1), 48-53  | DEDY IRFAN |   | 4 |  |
| 354. | WEB-BASED INFORMATION SYSTEM OF STUDENT EXECUTIVE AGENCY OF PADANG STATE UNIVERSITY INFORMATION SYSTEM<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 7 (1), 10-17   | DEDY IRFAN |   | 1 |  |
| 355. | Development of Web-Based Archives Management Information System and Letter Disposition at BPN Padang City<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 6 (2), 113-121  | DEDY IRFAN | 3 |   |  |
| 356. | Design and Build an Android Based Pre Compress Online Exam Application<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika Dan Informatika 6 (2), 53-60   | DEDY IRFAN | 6 |   |  |
| 357. | The Influence of the Implementation of the Pjbl Learning Model on the Learning Outcomes of Tkbgt Subjects of Class X Mechatronic Engineering Smk Negeri 1 West Sumatra<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 6 (2), 61-74 | DEDY IRFAN | 4 |   |  |
| 358. | Design and Build an Application for the Padang State University Campus Plan Using Android-Based Augmented Reality<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 6 (2), 75-84  | DEDY IRFAN | 7 |   |  |
| 359. | Padang State University Facility Reservation Information System Based on Laravel Framework<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 6 (2), 1-8   | DEDY IRFAN | 8 |   |  |
| 360. | THE CONTRIBUTION OF CREATIVITY AND LABOR FACILITIES TO LEARNING OUTCOMES OF PROGRAMMING ENGINEERING FOR CLASS X STUDENTS OF AUDIO VIDEO ENGINEERING SMK NEGERI 1 BUKITTINGGI<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 4 (1)  | DEDY IRFAN | 1 |   |  |
| 361. | Design and build a Minangkabau language mobile learning application on an Android-based smartphone<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 4 (1)  | DEDY IRFAN | 9 |   |  |
| 362. | Design and Build Learning Media for Mini Trainer IC 555<br>INVOTEK: Jurnal Inovasi Vokasional dan Teknologi 18 (2), 65-76  | DEDY IRFAN | 3 |   |  |

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| 363. | Development of an Android-Based Information System for Natural Disaster Mitigation Guidelines for West Sumatra Province<br>Jurnal Teknologi Informasi dan Pendidikan 11 (1), 27-42 | DEDY IRFAN | 11 |  |  |
| 364. | User Satisfaction Analysis of the Website Quality of SMK SMTI Padang Based on the Webqual 4.0 Method<br>VoteTEKNIKA: Jurnal Vocational Teknik Elektronika dan Informatika 6 (1)    | DEDY IRFAN | 2  |  |  |

Description:

1) Filled with names of permanent lecturers who are involved as authors of the cited scientific works.



