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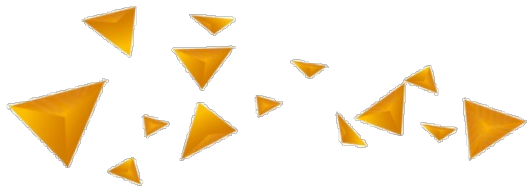
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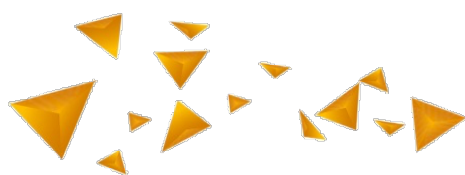
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**Jurnal Asimetrik: Jurnal Ilmiah Rekayasa dan Inovasi** is published regularly every **two times a year**, in **January** and **July**. This journal publishes research-based scientific articles, case studies, review articles, engineering and innovations that cover both theoretical and practical as well as their development. The topics of scientific articles published cover the fields of Architecture, Civil Engineering, Industrial Engineering, Informatics Engineering, Mechanical Engineering and Electrical Engineering.

**SUMMARY.** **Alfarisi et al.**, conducted a finite element analysis on the modification of the design of R22 car wheels made of aluminum to produce the best variant of the existing model. **Suhartono and Muin**, conducted research to determine the effects of seawater on reinforced concrete and the effects on reinforcement on corrosion rate and on concrete on compressive strength when inhibitors have been added. Meanwhile, **Ajiban et al.** analyzed the effect of air pressure and nozzle distance on the quality of water-based paint using a gravity feed spray gun. Research by **Hasan et al.** was conducted to determine the effect of heat flux on the frequency of bubble appearance in boiling pools. Pool boiling is a boiling process in which all fluid motion is caused by natural convection currents. **Abdulah et al.** in their research optimized the heat transfer performance using Response Surface Methodology-Central Composite Design (RSM-CCD) for nano-coolant (AL<sub>2</sub>O<sub>3</sub>+EG/W) in electric vehicle batteries. **Osman et al.** conducted a study to determine the performance of the machine and whether there was a significant difference from the grinding machining process. Control map analysis was used to determine the consistency of machine performance and comparison of feed rate to determine machine performance. **Syaka et al.** conducted a study to determine the effect of fuel pressure variations on the performance, especially torque and power, of a direct injection 2-stroke gasoline engine. **Nugraha et al.** conducted research on the design of a wind speed measurement system in a pitot tube-based wind tunnel. **Puspa et al.**, conducted research on the characteristics of the Thermal Electric Generator (TEG) type SP1848 27145 SA with the aim of knowing the character of voltage output, power and Seebeck coefficient values in the SP1848 27145SA TEG system when temperature changes occur. **Waisal et al.**, analyzed the mechanical properties and microstructure of aluminum and copper sheet welding results using the friction stir spot welding method. **Agustina et al.**, analyzed the comparison

of rectifier performance in power plant applications. Meanwhile, **Suharyanto and Kurniawan** conducted research related to the effect of heat treatment temperature on the hardness of jaw implants produced by the EDM process. **Lukiano et al**, conducted research on the numerical analysis of the effect of gurney flaps on the aerodynamic performance of NACA 4415 airfoil. Another case with **Billad et al**, who conducted research to prove that the erosion effect can reduce and increase the value of NACA 0015 airfoil. While **Ulhakim et al**, through their research, evaluated the performance of using TiO<sub>2</sub> nanofluids made using ethylene glycol (EG) and distilled water as the base liquid, which was then called TiO<sub>2</sub>-EG/W. **Nabil et al**, conducted research on public street lighting monitoring systems using telegram-based wireless sensor network applications. **Rimantho**, developed a waste management model using the Soft System Methodology (SSM) approach to assess the challenges of wood pellet production as a renewable energy source from biomass waste and possible solutions. While **Purwanto et al**, conducted architectural planning with natural lighting systems that can affect occupant productivity and energy efficiency.



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# DAFTAR ISI



Volume 6 Nomor 1

JANUARI

2024

<b>Finite Element Analysis of Aluminum Based R22 Car Wheel Design Modification</b>	1-10
<i>Salman Alfarsi, Riyan Ariyansah*, Dan Mugisidi</i>	
<b>Effect of Adding Inhibitors from Dried Tea Leaf Powder and Calcium Nitrate to Concrete and Reinforcement on the Corrosion Rate of Reinforcement and Concrete Compressive Strength</b>	11-18
<i>Suhartono*, Resmi Bestari Muin</i>	
<b>The Effect of Air Pressure and Nozzle Distance on the Quality of Water-Based Painting Using a Gravity-Feed Spray Gun</b>	19-28
<i>Mochammad Hildad Ajiban, Heru Arizal*, Rachmad Syarifudin Hidayatullah, Firman Yasa Utama</i>	
<b>The Effect of Heat Flux on the Frequency of Bubble Appearance in a Boiling Pool</b>	29-38
<i>Muhammad Hasan, Supriyadi, Larasati Rizky Putri, Sofia Debi Puspa, Sentot Novianto*</i>	
<b>Optimization of Heat Transfer Performance Using Response Surface Methodology-Central Composite Design (RSM-CCD) for Nano-Coolant (Al<sub>2</sub>O<sub>3</sub>+EG/W) in Electric Vehicle Battery</b>	39-48
<i>Amri Abdulah*, Dede Ardi Rajab, Iman Nurshahid, Sukarman, Khoirudin, Muhamad Taufik Ulhakim</i>	
<b>Geometry Characterization of Products Results in the Finishing Process Using Centerless Belt Grinding Machine</b>	49-60
<i>Jesika Erventy Osman, Sofia Debi Puspa*, Triyono, Hary Munandar</i>	
<b>The Influence of Fuel Pump Pressure Variations on the Performance of 2-Stroke Gasoline Direct Injection Engines</b>	61-68
<i>Darwin Rio Budi Syaka*, I Wayan Sugita, Nugroho Gama Yoga, Muhammad Riangga Widanarko</i>	
<b>Design of Wind Speed Measurement System in Wind Tunnel Based on Pitot Tube</b>	69-76
<i>Yudha Nurfauzi Nugraha, Erwin Erwin*, Slamet Wiyono</i>	
<b>Study Characteristic Thermal Electric Generator (TEG) Type SP1848 27145 SA</b>	77-88
<i>Sofia Debi Puspa*, I Putu Budi Dharma, Sentot Novianto, Supriyadi, M. Alfian Gibran</i>	
<b>Analysis of Mechanical Properties and Microstructure of Aluminum and Copper Sheet Welding Using Friction Stir Spot Welding Method</b>	89-102
<i>Adit Waisal, Hary Munandar*, Sofia Debi Puspa, Achdianto, Triyono</i>	
<b>Comparative Analysis of a Rectifier Performance in Power Generation Applications</b>	103-112
<i>Sri Agustina, Herlina Wahab*, Djulil Amri, Al Denton Mourzade</i>	
<b>Effect of Heat Treatment Temperature on Hardness of Jaw Implant Produced from EDM Die-Sinking Process</b>	113-120
<i>M. F. R. Suharyanto, Y. Kurniawan*</i>	

<b>Numerical Analysis of Gurney Flap Impact on NACA 4415 Airfoil Aerodynamics Performance</b>	121-132
<i>James Julian*, Mirza Fauzan Lukiano, Fitri Wahyuni, Waridho Iskandar, Nely Toding Bunga</i>	
<b>Numerical Modelling of NACA 0015 Airfoil Under the Erosion Condition</b>	133-142
<i>Rayhan Fariansyah Billad, James Julian*, Fitri Wahyuni, Waridho Iskandar, Nely Toding Bunga</i>	
<b>Qualitative Stability and Thermal Properties Investigation of TiO<sub>2</sub>-EG/W Nanofluids Through Experimental Validation</b>	143-152
<i>Muhamad Taufik Uihakim, Sukarman*, Khoirudin, Nazar Fazrin, Tomas Irfani, Amri Abdulah</i>	
<b>Public Street Lighting Monitoring System Uses Telegram-Based Application Wireless Sensor Network</b>	153-164
<i>Ilham Muhyidin Nabil*, Adnan Rafi Al Tahtawi, Supriyanto</i>	
<b>Soft System Methodology Approach: Case Study of Renewable Energy Development of Wood Pellets as an Implementation of a Circular Economy</b>	165-174
<i>Dino Rimantho*</i>	
<b>Natural Lighting Study of the Smith Alam Sutra Building, Tangerang City</b>	175-186
<i>Hendro Wahyu Purwanto, Samsu Hendra Siwi*, Eddy Supriyatna Marizar</i>	

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