## **Table of Content**

The 3rd Australian Conference on Industrial Engineering and Operations Management Sydney, Australia, September 24-26, 2024

Title	Page
Title	ii
Masthead	iii
Welcome	V
Committee	vi
Table of Content	xxii

ID	Title	Page
1	Life Cycle Assessment on an Aluminum Patrolling Ship in Malaysia	1
	Exploring Food Waste in Food Service Using A Social Practice Theory Lens	
12		9
	Content Consumption Behavior of YouTube Restoration Videos' Viewers: A	
18	Research Agenda	10
	Speeding Up of Tool-Work Electrical Contact Resistance Measurement	
21		19
	Key Findings and Analyses in Developing a Data-Driven Marketing Strategy	
34		32
	An Optimization Approach for Capacitated Facility Location: a case study of	
43	delivery companies in Saudi Arabia	34
	Non-linear Relationship Between Working Capital Management and Profitability	
44	in Japanese Companies	35
	Impact of Trends in Actual EPS and Achievement of Management's Forecasts on	
45	Investors' Decision-Making	36
	Does the Decrease in Vocabulary Specificity During Accounting Fraud Help to	
46	Detect Accounting Fraud?	37
	Refining Warehouse Operations by Implementing Collaborative Robots and	
48	Automation: A Survey	39
	Determinants of Pineapple Output Growth Among Individual Farm Owners and	
	Multinational Enterprises (MNEs) in Northern Mindanao: An Explanatory Study	
50		52
	Enhancing Operational Efficiency in Agro-Export Blueberry Production: A Case	
52	Study Integrating Lean Manufacturing and TPM	65

	Exploring Solar Panel (PV) System Waste Management and Disposal in Australia: What is the Way Forward?	70
53	Assessing the Implementation of Blockchain Technology for Sustainable	76
54	Electronic Waste Management Practices in Australia	78
34	Consensus Decision Making-Utilising Practical Game Theory Techniques	70
55	Consensus Decision Fluxing Chasing Fluctical Carne Theory Feeliniques	80
	Enrollment Rate Prediction for Foundation Universities in Turkey Using Machine	
56	Learning	86
	Enhancing Operational Efficiency in Peruvian Textile SMEs: A Case Study of	
57	Lean Manufacturing Implementation	94
	Attitudes Towards Supply Chain Platform Adoption in Singapore – Employees	
59	Perspective	106
	Analysing Whether Underperforming Managers Use a Positive Tone in the	
60	Management Discussion and Analysis Section	117
61	The Effect of Manager–Subordinate Context on Budgetary Slack	119
	Information System for Supplier Selection based on Risk Matrix and Analytic	
63	Hierarchy Process	120
64	Al in Inventory Management	121
	Implementation of Overall Equipment Effectiveness (OEE) to Minimze Six Big	
65	Losses in Machining Process: A Case Study	132
	Reducing Speed Losses to Enhance Overall Equipment Effectiveness (OEE) at	
66	PT XYZ	141
67	A Process Mining Approach for Production Flow Analysis	155
	Internet of Things Based System for Optimizing Medical Waste Management –	
68	A Case Study in Taiwan	157
69	Study on Medical Waste Collection and Routing Problem	160
74	Enhancing Operational Efficiency in Flexographic SMEs through Lean	404
71	Manufacturing: A Case Study	161
70	Enhancing Operational Efficiency in Plastic Manufacturing SMEs through Lean Manufacturing and TPM: A Case Study	474
72	Increasing Productivity in Paper Bag Manufacturing through Lean	174
73	Manufacturing: A Case Study in Perú	105
/3	Lean Synergy Production Model Implementation in Textile SMEs: A Case Study	185
75	on Efficiency and Quality Improvement	198
73	Addressing Hospital Surge Capacity Issues amidst a Dual Crisis in a Developing	190
76	Country: Human Resource Management Perspectives	209
70	User-centered design approach for designing an assistive product for the	200
77	elderly population	210
,,,	An Aggregate Regression-Based Maintenance Optimization for Early-Stage	210
78	Industry 4.0 Adoption	222
	Takt Time Reduction of Genset Assembly Line Using Process Optimization and	
79	Lean Manufacturing Tools	235

	Optimizing Production in an Electronics Manufacturing Industry Using Six	
80	Sigma: A DMAIC Approach to Process Enhancement	248
	Antecedents of Sustainable Procurement: A Theory of Planned Behavior	
82	Perspective	260
	Formal Governance and Trust in Humanitarian Logistics: Mitigating	
83	Opportunism Amidst Volatility	261
0.4	Effective Stiffness of Hemp Stem Reinforced Concrete Composite Laminates	000
84	Heartfulness Meditation Leads to Integrity and Assentance	263
85	Heartfulness Meditation Leads to Integrity and Acceptance	265
87	Application of Lean Manufacturing in Developing Countries  Conceptualizing Stakeholder Influence on Modern Slavery Legislation: Towards	266
	Greater Transparency in Australian Supply Chains	
92	oreater transparency in Australian oupply offains	275
92	Development of a Web-based Data Collection and Management System	2/3
	(DCMS) for the Task Collection Process of a Business Process Outsourcing	
101	(BPO) Provider	288
101	Introducing an Express Train Service to Mass Rail Transit Systems: A Simulation-	200
104	Based Approach for Demand-Driven Station Selection	300
104	Optimum Parameters for The Recovery of Caesium Alum from Pollucite Ore by	
111	Sulphuric Acid Leaching	311
	Recycling of Cement Kiln Dust as a Substitute for Limestone in Cement	
112	, ,	317
	Total Productive Maintenance Optimizes Manufacturing Industries in South	
113	Africa	326
114	Reference-based Super-resolution for Light Field Image	337
	Warehouse Efficiency Improvement Model Applying Lean Manufacturing in a	
115	Roller Shade Company	349
116	Reliability Growth Analysis on Centrifugal Slurry Pumps	358
117	Minimum Feasible Design of a Spacecraft Factory	373
	Commercialization Analysis of POME (Palm Oil Mill Effluent) With AOP	
	(Advance Oxidation Process) Nanobubble Using Business Model Canvas	
119		381
	The Adaptive Reuse of Buildings as a Circular Economy Accelerator: A	
120	systematic review	393
	Optimization of Lean implementation by the Seven New Operational Areas	
121		403
	Investigating and Proposing a Framework for Sustainable Supply Chains of	
122	Critical Minerals in Electric Vehicle Batteries	413
	Leveraging 21st Century Machine Learning Computational Power: Innovative	
	Solutions by Industrial Engineers for Addressing Complex Australian Challenges and Enhancing Value Creation in Supply Chain Management	
100	and Emilianoling value oreation in output origin i landgement	405
123		425

	Trends of Eliminating Bottlenecks in the Automotive Supply Chain in South	
124	Africa	437
	Industry 5.0: The Impact of Artificial Intelligence and Blockchain in Financial	
134	Sector	450
	Sustainability Practices and Campus Operational Management: Decoding the	
149	University Rankings	461
	Accurate Modelling and Simulation of Boron Diffusion in Textured Solar Cells	
152		464
	Application of Sound Project Management Techniques in the 4th IR and artificial	
	intelligence environments supporting production processes	
153		473
154	Applying Deep Learning for Controlling Robotic Arm Gestures	481