

Sustainable Strategies in Navigating Operations for a Resilient Future



Editors
Mohd zulfabli Hasan
Teh Zaharah Yaacob



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Sustainable Strategies in Navigating Operations for a Resilient Future

This book presents sustainable strategies across various operational sectors to build a resilient and efficient future. It offers a multidisciplinary approach, featuring empirical studies and case analyses from higher education, logistics, Industry 4.0 production, agriculture, and sustainable palm oil development in Malaysia. Each chapter highlights challenges and best practices in implementing sustainability principles, including green campus initiatives, e-commerce logistics service quality, natural resource management, and strategic packaging optimization. The book is designed for researchers, students, industry professionals, and policymakers seeking to understand and apply sustainable operational strategies aligned with global demands. It serves as a practical guide to integrating sustainability into diverse organizational practices for long-term impact.



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PREFACE

The global landscape of operations and sustainability is evolving rapidly, necessitating innovative and adaptive strategies to navigate emerging challenges. *Sustainable Strategies in Navigating Operations for a Resilient Future* explores critical sustainability dimensions within various operational domains, providing insights into contemporary best practices, technological advancements, and strategic implementations that foster resilience and efficiency.

This book is structured to present a comprehensive view of sustainability in operations, encompassing diverse industries such as higher education, logistics, manufacturing, and agriculture. Through detailed case studies and empirical research, the chapters collectively highlight the interplay between sustainability principles and operational effectiveness. The discussion extends to the role of technology, policy frameworks, and organizational approaches that contribute to building a more resilient and sustainable future.

A key feature of this book is its multidisciplinary perspective, bringing together contributions from academics and industry practitioners to offer practical and research-driven insights. Topics covered range from sustainability initiatives in universities, challenges in vessel operations, and sustainable production in Industry 4.0, to logistics optimization, e-commerce sustainability, and the future of palm oil development in Malaysia. By addressing these diverse aspects, the book provides a holistic view of how sustainability can be integrated into operational practices across different sectors.

This work is intended for a wide audience, including researchers, students, industry professionals, and policymakers who seek to understand and implement sustainable strategies in their respective

fields. We hope this book serves as a valuable resource, inspiring further exploration and application of sustainability principles in achieving operational excellence.

We extend our gratitude to all contributors whose expertise and dedication have shaped this publication. Their research and perspectives have been instrumental in crafting a resource that bridges theory and practice, offering actionable insights for navigating the complexities of sustainable operations.

Mohd Zulfabli Hasan

Teh Zaharah Yaacob

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