

S U R A T T U G A S

Nomor : 00355/D.5/ST/FEB/II/2025

Dekan Fakultas Ekonomi dan Bisnis Universitas Katolik Soegijapranata memberikan tugas kepada:

Nama : Shresta Purnamasari, SE., M.Sc NIDN : 0615029302
Status : Tenaga Pendidik/Dosen Fakultas Ekonomi dan Bisnis
Universitas Katolik Soegijapranata
Tugas : Reviewer Jurnal Management of Environmental Quality
Waktu : Februari 2025
Keterangan : Harap melaksanakan tugas dengan baik dan penuh tanggung jawab,
serta memberikan laporan setelah melaksanakan tugas.





Shresta Purnamasari <shresta@unika.ac.id>

Thank you for submitting your review of Manuscript ID MEQ-01-2025-0064 for the Management of Environmental Quality

1 message

Management of Environmental Quality <onbehalfof@manuscriptcentral.com>
Reply-To: songmartin@163.com
To: shresta@unika.ac.id

Tue, Feb 11, 2025 at 5:45 PM

11-Feb-2025

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On behalf of the Editors of Management of Environmental Quality, we appreciate the valuable and efficient contribution that each reviewer gives to the Journal and we hope that we may call upon you again to review future manuscripts.

Yours sincerely,

Prof. Malin Song
Associate Editor, Management of Environmental Quality
songmartin@163.com



Shresta Purnamasari <shresta@unika.ac.id>

Invitation to Review MEQ-01-2025-0064

1 message

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Reply-To: songmartin@163.com

To: shresta@unika.ac.id

Fri, Jan 31, 2025 at 11:10 AM

30-Jan-2025

Dear Mrs. Purnamasari:

Manuscript ID MEQ-01-2025-0064 entitled "Carbon Reduction Effective Advanced Planning and Scheduling (C-APS) System: Framework, Functions, and Empirical Results" has been submitted to the Management of Environmental Quality.

I invite you to review this manuscript. The abstract appears at the end of this letter. Please let me know as soon as possible if you will be able to accept my invitation to review. If you are unable to review at this time, I would appreciate you recommending another expert reviewer. Please click the appropriate link below to automatically register your reply with our online manuscript submission and review system.

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Sincerely,
Prof. Malin Song
Associate Editor, Management of Environmental Quality
songmartin@163.com

MANUSCRIPT DETAILS

TITLE: Carbon Reduction Effective Advanced Planning and Scheduling (C-APS) System: Framework, Functions, and Empirical Results

ABSTRACT:

This study develops a Carbon Reduction Effective Advanced Planning and Scheduling (C-APS) system tailored for the manufacturing industry. The system integrates a carbon emission calculation module to enhance production efficiency while achieving energy conservation and carbon reduction objectives. In this study, the proposed C-APS system was implemented in five manufacturing companies. The empirical results demonstrate that the system significantly reduces energy consumption and carbon emissions during production, particularly addressing the three categories outlined in the ISO 14064-1 standard.

The key findings include: (1) an average cumulative carbon reduction rate of 20% per enterprise within five years, and (2) notable improvements in equipment utilization and order delivery rates. Additionally, the study highlights the critical influence of data accuracy and infrastructure completeness on system performance.

The proposed C-APS framework offers a practical carbon reduction strategy for the manufacturing sector, enabling companies to balance economic performance with environmental sustainability while advancing toward low-carbon manufacturing and smart transformation.



Shresta Purnamasari <shresta@unika.ac.id>

Manuscript ID MEQ-01-2025-0064 now in your Reviewer Centre - Management of Environmental Quality

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Management of Environmental Quality <onbehalfof@manuscriptcentral.com>

Reply-To: songmartin@163.com

To: shresta@unika.ac.id

Fri, Jan 31, 2025 at 11:29 AM

30-Jan-2025

Dear Mrs. Purnamasari:

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All communications regarding this manuscript are privileged. Any conflict of interest, suspicion of duplicate publication, fabrication of data or plagiarism must immediately be reported to me.

Thank you for evaluating this manuscript.

Sincerely,
Prof. Malin Song
Associate Editor, Management of Environmental Quality
songmartin@163.com



Shresta Purnamasari <shresta@unika.ac.id>

Thank you for your review

1 message

noreplies@emerald.com <noreplies@emerald.com>

Tue, Mar 11, 2025 at 8:01 PM

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Kind regards

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