

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING**

Judul karya ilmiah (paper) : Effect of internal R&D activities to the accumulation of organizational technical knowledge with the mediation role of absorptive capacity to establish the innovation capability of electronic industries

Jumlah Penulis : **Bambang Purwanggono, Yohana Aeria Damyana**

Status Pengusul : Penulis ke-1

Identitas Makalah : a. Judul Prosiding : Proceedings of 2nd International Conference on Engineering and Technology for Sustainable Development, ICET4SD 2017

b. ISBN/ISSN : 2261236X

c. Tahun Terbit, Tempat Pelaksanaan : 13 September 2017, Yogyakarta

d. Penerbit/organiser : EDP Sciences

e. Alamat repository PT/web prosiding :

PROSIDING : <https://www.matec-conferences.org/articles/mateconf/abs/2018/13/contents/contents.html>

ARTIKEL : https://www.matec-conferences.org/articles/mateconf/abs/2018/13/mateconf_icet4sd2018_01059/mateconf_icet4sd2018_01059.html

f. Terindeks di (jika ada) : SCOPUS

g. Turnitin Similarity : 18 %

Kategori Publikasi Makalah : *Prosiding Forum Ilmiah Internasional*
(beri ✓ pada kategori yang tepat) *Prosiding Forum Ilmiah Nasional*

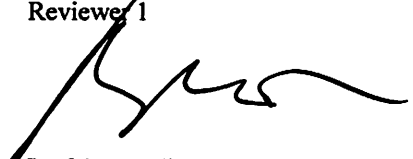
Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Prosiding		Nilai Akhir Yang Diperoleh
	Internasional <input checked="" type="checkbox"/>	Nasional <input type="checkbox"/>	
a. Kelengkapan unsur isi prosiding (10%)	3		3
b. Ruang lingkup dan kedalaman pembahasan (30%)	9		6
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	9		7
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	9		9
Total = (100%)	30		25
Nilai Pengusul = (60%)*25 = 15			

Catatan Penilaian Paper oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi paper:** Sesuai Acuan yang telah ditetapkan oleh ICET4SD 2017. Kelengkapan unsur isi telah mencukupi
- Ruang lingkup dan kedalaman pembahasan:** Pengembangan hipotesis tidak cukup jelas, lebih baik jika dielaborasi lebih lanjut. Pengembangan dan kekuatan absorptive capacity sebagai moderating perlu diberikan contoh-contoh nyata dalam perusahaan
- Kecukupan dan kemutakhiran data/informasi dan metodologi:** Metodologi tidak menjelaskan cukup rinci agar lebih mudah dipahami alurnya. Perlu adanya usulan untuk memperluas scope penelitian dengan menambah perusahaan lain yang diteliti sehingga kesimpulan lebih umum
- Kelengkapan unsur dan kualitas terbitan:** ICET4SD telah menjadi agenda konferensi internasional tahunandengan unsur-unsur konferensi internasional yang memadai

Semarang,
Reviewer 1



Prof Dr Dradjad Irianto
NIP. 196206231988021001
Unit kerja : Dept. Teknik Industri ITB
Kelompok Keahlian Sistem Manufaktur ITB
GB bidang Rekayasa Kualitas

LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
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Judul karya ilmiah (paper) : *Effect of Internal R&D Activities To The Accumulation Of Organizational Technical Knowledge With The Mediation Role Of Absorptive Capacity To Establish The Innovation Capability Of Electronic Industries*
Jumlah Penulis : Bambang Purwanggono, Yohana Aeria Damyana
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Kategori Publikasi Makalah : Prosiding Forum Ilmiah Internasional
(beri ✓ pada kategori yang tepat) Prosiding Forum Ilmiah Nasional
3

Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Karya Ilmiah (Isikan di kolom yang sesuai)		Nilai Akhir Yang Diperoleh
	Internasional <input type="checkbox"/>	Nasional <input type="checkbox"/>	
a. Kelengkapan unsur isi prosiding (10%)	3		2.8
b. Ruang lingkup dan kedalaman pembahasan (30%)	9		8.0
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	9		8.5
d. Kelengkapan unsur dan kualitas terbitan/prosiding(30%)	9		8.5
Total = (100%)	30		27.8
Nilai Pengusul = (60%)*27.8= 16.68			

Catatan Penilaian Paper oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi paper:** Isi paper sesuai dengan topik ceonference yaitu *sustainable development* dengan template yang sesuai dan mengikuti format dari MATEC. Isi paper meliputi Abstract, Introduction, Research Methodology, Hypotheses, Results and Discussion, Conclusions and Recommendations dan References..
- Ruang lingkup dan kedalaman pembahasan:** Pembahasan hasil penelitian dilakukan berdasarkan hasil perhitungan SEM yang cukup detail walau hanya ada 4 variabel. Tidak ada pembahasan/diskusi detail hasil penelitian terutama terkait dengan penelitian sebelumnya yang sejenis.
- Kecukupan dan kemutakhiran data/informasi dan metodologi:** Penentuan variabel (*internal R&D, activity, absorptive capacity, organizational technical knowledge dan innovation capability*) dan hipotesa dilakukan dengan baik merujuk pada penelitian terkait yang dipublikasikan pada jurnal bereputasi. Pengolahan data hasil penelitian menggunakan metode SEM yang dikenal luas sebagai metode statistik penilai variabel dan hubungan antar variabel. Jumlah responden sebanyak 130 orang sudah mencukupi kebutuhan data yang diperlukan. Jumlah referensi ada 15 buah di mana 7 buah (46%) merupakan jurnal internasional bereputasi.
- Kelengkapan unsur dan kualitas terbitan:** Penelitian dipublikasikan di Matec Web of Conferences (EDP Sciences) Volume 154, 01059 (2018) <https://doi.org/10.1051/mateconf/201815401059>. Kualitas terbitan MATEC termasuk baik dan pada tahun 2018 masuk dalam indeks scopus. Ada 4 negara peserta yaitu Indonesia, Jepang, Malaysia, Thailand. Terbitan sudah lengkap termasuk di dalamnya statement dari Peer Review, About the conference dan Daftar Isi.

Semarang,
Reviewer 2

Prof Ir. Moses Laksono Singgih, MSc, PhD
NIP. 195908171987031002
Unit kerja : Dept. Teknik Industri ITS
Bidang Ilmu: Produktivitas dan Kualitas

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING**

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(beri \checkmark pada kategori yang tepat) *Prosiding* Forum Ilmiah Nasional

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah		Nilai Yang Diperoleh
	Reviewer 1	Reviewer 2	
a. Kelengkapan unsur isi prosiding (10%)	3	2.8	2.9
b. Ruang lingkup dan kedalaman pembahasan (30%)	6	8.0	7
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	7	8.5	7.75
d. Kelengkapan unsur dan kualitas penerbit (30%)	9	8.5	8.75
Total = (100%)	25	27.8	26.4
Nilai Pengusul = 60%	15	16.68	15.84

Semarang,
Reviewer 1

Prof Dr Dradjad Irianto
NIP. 196206231988021001
Unit kerja : Dept. Teknik Industri ITB
Kelompok Keahlian Sistem Manufaktur ITB
GB bidang Rekayasa Kualitas

Reviewer 2

Prof Ir. Moses Laksono Singgih, MSc, PhD
NIP. 195908171987031002
Unit kerja : Dept. Teknik Industri ITS
Kelompok Keahlian: Produktivitas dan Kualitas

SERTIFIKAT

CERTIFICATE

THIS CERTIFICATE IS AWARDED TO
Bambang Purwanggono

for presenting paper

Effect of Internal R&D Activities to the Accumulation of Organizational Technical Knowledge with the Mediation Role of Absorptive Capacity to Establish the Innovation Capability of Electronic Industries

at

The 2nd International Conference on Engineering and Technology for Sustainable Development

Held on September 13th – 14th , 2017
EASTPARC HOTEL Yogyakarta, Indonesia

Organized by:



UNIVERSITAS
ISLAM
INDONESIA



Dean
Faculty of Industrial Technology UII

Dr. Imam Djati Widodo, M.Eng.Sc

The 2nd ICET4SD 2017
Conference Chair



YOGEY Dr. Shofeh Ma'mun

In Cooperation with:



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MATEC Web of Conferences

Volume 154 (2018)

The 2nd International Conference on Engineering and Technology for Sustainable Development (ICET4SD 2017)

Yogyakarta, Indonesia, September 13-14, 2017
S. Ma'mun, H. Tamura and M.R.A. Purnomo (Eds.)

Preface

The 2nd International Conference on Engineering and Technology for Sustainable Development (ICET4SD) 2017 with the theme of *Sustainable Energy for a Better Future* is an international conference organized by the Faculty of Industrial Technology, Universitas Islam Indonesia (UII) in collaboration with UII's strategic partners Kansai University Japan, Sirindhorn International Institute of Technology (SIIT) Thailand, Universiti Teknologi MARA (UiTM) Malaysia and Center for Energy Studies – Universitas Gadjah Mada (UGM) Indonesia.

As an international academic forum, the conference aims to exchange ideas, knowledge, and expertise in various fields such as chemical engineering, electrical engineering, industrial engineering and management system, informatics, mechanical engineering, textile engineering, and other engineering disciplines through various sessions consisting of keynote lectures, oral and poster presentations, and discussions. The conference is also expected to foster networking, collaboration and joint effort among the conference participants to advance the theory and practice as well as to identify major trends and critical issues in those fields. This biannual conference is a continuation of the 1st ICET4SD that was held in 2015.

All submitted articles to the 2nd ICET4SD 2017 were gone through a double-blind peer review by competent reviewers. There were 200 articles from 300 submissions that were accepted to be presented both oral and poster presentations. The forum was attended by more than 300 participants from 4 countries and from 46 reputable affiliations.

We are proud to have a partnership with MATEC Web of Conferences in order to make the 2nd ICET4SD 2017 conference proceedings widely usable by the scientific community. After a thorough consideration based on the quality of accepted papers, the 2nd ICET4SD Scientific Committee has selected 149 articles to be published in MATEC Web of Conferences.

We express our deepest gratitude to all members of the committee, reviewers, keynote speakers, paper contributors and participants for their valuable contributions. We do hope this international conference will sustainably be hosted and develop the society continuously.

Dr. Sholeh Ma'mun

Chairman of the 2nd ICET4SD 2017

The 2nd International Conference on Engineering and Technology for Sustainable Development
Yogyakarta, Indonesia, February 2018

Statement of Peer review

In submitting conference proceedings to *Web of Conferences*, the editors of the proceedings certify to the Publisher that

1. They adhere to its **Policy on Publishing Integrity** in order to safeguard good scientific practice in publishing.
2. All articles have been subjected to peer review administered by the proceedings editors.
3. Reviews have been conducted by expert referees, who have been requested to provide unbiased and constructive comments aimed, whenever possible, at improving the work.
4. Proceedings editors have taken all reasonable steps to ensure the quality of the materials they publish and their decision to accept or reject a paper for publication has been based only on the merits of the work and the relevance to the journal.

Title, date and place of the conference

The 2nd International Conference on Engineering and Technology for Sustainable Development
(ICET4SD 2017)
13 - 14 September 2017
Yogyakarta, Indonesia

Proceedings editor(s):

Dr. Sholeh Ma'mun
Prof. Hiroshi Tamura
Dr. M. Ridwan Andi Purnomo

Date and editor's signature

22 January 2018

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[Determining key performance indicators for warehouse performance measurement – a case study in construction materials warehouse](#) 01058

Elisa Kusrini, Fadrizal Novendri and Vembri Noor Helia

Published online: 28 February 2018

DOI: <https://doi.org/10.1051/mateconf/201815401058>

[PDF \(395 KB\)](#) | [References](#)

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[Effect of internal R&D activities to the accumulation of organizational technical knowledge with the mediation role of absorptive capacity to establish the innovation capability of electronic industries](#) 01059

Bambang Purwanggono and Yohana Aeria Damyana

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DOI: <https://doi.org/10.1051/mateconf/201815401059>

[PDF \(255 KB\)](#) | [References](#)

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[The effect of Quran murottal's audio on short term memory](#) 01060

Perdana Suteja Putra, Retno Gumilar, Sasmita Rahma Kusuma, Hari Purnomo and Chancard Basumerda

Published online: 28 February 2018

DOI: <https://doi.org/10.1051/mateconf/201815401060>

[PDF \(242 KB\)](#) | [References](#)