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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : JURNAL ILMIAH

Judul Jurnal Ilmiah (Artikel) : Toward Standards Harmonization In Asean Economic Community: A Comparative Study Of National Standardization Bodies In Indonesia And Malaysia

Jumlah Penulis : **Bambang Purwanggono***, Arfan Bakhtiar, Hery Suliantoro, Priska Retnosari Setyowati

Status Pengusul : Penulis ke-1

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Total = (100%)	35			29
Nilai Pengusul = 60%*29 = 17.4 (Q3)				

Catatan Penilaian artikel oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi jurnal:** As guided by the journal Content and outline of the journal are quite complete.
- Ruang lingkup dan kedalaman pembahasan:** SWOT matrices are not comparable. Too early to be used as harmonized ASEAN version, further study need to be done to come to ore comprehensive conclusions.
- Kecukupan dan kemutakhiran data/informasi dan metodologi:** Comparative analysis is not clear enough as apple to apple comparison.. References should be more than it is now and also more in the relevant substances
- Kelengkapan unsur dan kualitas terbitan:** Table is too long and figures should be better in visibility. JESTEC is published by School of Engineering Taylor University, a well-ranked private University in Malaysia. JESTEC is indexed by SCOPUS since 2010.

Semarang,
Reviewer 1


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

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Total = (100%)	35			33.25
Nilai Pengusul = 60%*33.25 = 19.95				

Catatan Penilaian artikel oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi jurnal:** Artikel telah memenuhi unsur dan kelengkapan jurnal sesuai dengan template JESTEC serta telah dicek similaritynya.
- Ruang lingkup dan kedalaman pembahasan:** Penulis perlu menjelaskan lebih lanjut tentang bagian-bagian dari akreditasi; penilaian kesesuaian dan metrology sebelum gambar 1. Ini untuk lebih menjelaskan tidak hanya tiga pilar tersebut tetapi juga hubungan antar bagian dalam gambar.
- Kecukupan dan kemutakhiran data/informasi dan metodologi:** Jumlah referensi perlu ditambah dengan jurnal yang relevan dan mutakhir dengan jumlah responden yang masih bisa ditambah dari dua Badan Standardisasi dua negara tersebut
- Kelengkapan unsur dan kualitas terbitan:** Unsur telah cukup lengkap, jurnal JESTEC adalah jurnal internasional berreputasi yang diterbitkan oleh salah satu Perguruan Tinggi swasta terbaik di Malaysia

Semarang,
Reviewer 2



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

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	Reviewer 1	Reviewer 2	
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b. Ruang lingkup dan kedalaman pembahasan (30%)	7	9.63	8.315
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	8	10.06	9.03
d. Kelengkapan unsur dan kualitas penerbit (30%)	10	10.06	10.03
Total = (100%)	29	33.25	31.125
Nilai Pengusul = 60%	17.4	19.95	18.675

Semarang,
Reviewer 1



Prof Dr Dradjad Irianto
 NIP. 196206231988021001
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Journal of Engineering Science and Technology Open Access
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Toward standards harmonization in asean economic community: A comparative study of national standardization bodies in Indonesia and Malaysia (Article)

Purwanggono, B., Bakhtiar, A., Suliantoro, H., Setyowati, P.R.

Industrial Engineering Department, Diponegoro University, Jl. Prof. Sudharto, Semarang, SH 50239, Indonesia

Abstract

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National Quality Infrastructure (NQI) is the institutional framework that establishes and implements standardization practices, including service conformity assessment, metrology and accreditation. Along with the implementation of the ASEAN Economic Community, the strength and endurance of standards development organizations should be strengthened to compete in international markets and be able to keep abreast of the time. However, there are still differences in the internal conditions and external standards development organizations in some ASEAN countries. It is then important to understand these differences. This research was aimed at measuring them by conducting a comparative analysis between standards development organizations in Indonesia and in Malaysia. The reason is that Malaysia as a neighbouring country of Indonesia has been quite far beyond it in terms of the development of the national quality infrastructure. This research was based on literature study and interviews. It is expected that Indonesia can learn the existing weaknesses and follow the positive aspects from the experience of Malaysia. The analyses used the SWOT method, IFAS-EFAS and QSPM Matrices. Results of this research are some strategies that should be prioritized in Indonesia as a consequence of learning the adoption of the policy in Malaysian institutions. The strategies are essential to improve the institution in Indonesia. © School of Engineering, Taylor's University.

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