

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

Judul Prosiding : Overview of SMES units application on smart grid systems

Jumlah Penulis : 2 (tiga) orang

Status Pengusul : ~~Penulis pertama / penulis ke 2 / Penulis korespondensi~~

Identitas Jurnal Ilmiah :

a. Judul Prosiding : ~~Industrial Electronics and Applications (ISIEA), 2012 IEEE Symposium on~~ ISITIA

b. Nomor ISSN :

c. Tahun : 2016

d. Penerbit : IEEE Xplore

e. DOI artikel (jika ada) : 10.1109/ISITIA.2016.7828705

f. Alamat web jurnal :
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g. Terindeks di (Jika Ada) :: Scopus

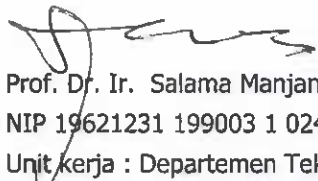
Kategori Publikasi Karya Ilmiah : Prosiding Forum Ilmiah Internasional
(beri √ pada kategori yang tepat) Prosiding Forum Ilmiah Nasional

Hasil Penilaian *Peer Review* :

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a. Kelengkapan unsur isi artikel (10%)	2.5			0,8
b. Ruang lingkup dan kedalaman pembahasan (30%)	7.5			3,0
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Total = (100%)	25			(9,5)
Nilai Pengusul = 9,5				

Catatan Reviewer : *Sebagian penulis ke-3. Model & subtitel pada prosiding internasional seminar, terutama pembahasan dasar-dasar baik; per sunnah 1 tidak jelas*

Makassar, 8 April 2019
Reviewer 1


Prof. Dr. Ir. Salama Manjang., MT
NIP 19621231 199003 1 024
Unit kerja : Departemen Teknik Elektro, Fakultas Teknik UNHAS

*Dinilai oleh dua Reviewer secara terpisah
**coret yang tidak perlu
***nasional/terindeks di DOAJ, CABI, Copernicus

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 g. Terindeks di (Jika Ada) :: Scopus dan Wos

Kategori Publikasi Karya Ilmiah : Prosiding Forum Ilmiah Internasional
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Total = (100%)	25			9.5
Nilai Pengusul = 9.5				

Catatan Reviewer :

- Persamaan 1, tidak jelas.
- Fig 4, 5, 6 copy/paste dari sumber lain dan kurang jelas dibaca
- Simulasi dan pembahasan tidak sistematis.

Makassar, 30 April 2019

Reviewer 2



Prof. Dr. Eng. Syafaruddin, ST, M.Eng

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*Dinilai oleh dua Reviewer secara terpisah

**coret yang tidak perlu

***nasional/terindeks di DOAJ, CABI, Copernicus

Documents

Yunus, A.M.S.^a, Saini, M.^b

Overview of SMES units application on smart grid systems

(2017) *Proceeding - 2016 International Seminar on Intelligent Technology and Its Application, ISITIA 2016: Recent Trends in Intelligent Computational Technologies for Sustainable Energy*, art. no. 7828705, pp. 465-470. Cited 2 times.

DOI: 10.1109/ISITIA.2016.7828705

^a Energy Conv. Study Program, Mechanical Eng. Department, Politeknik Negeri Ujung Pandang, Makassar, Indonesia

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Abstract

Many papers have introduced the wide application of SMES Unit in Power Systems. Since introduced at the first time in 1911 by Dutch Physicist Heike Kamerlingh, Superconducting magnetic technology has attracted many researchers to investigate its application in many areas. It was reported that its first application study in power systems was in transmission line stabilization in 1987. Since that the study of SMES application in power systems become even wider not limited only in system stabilization during faults but also in smoothing out power output from renewable energy based power systems. Moreover, the booming trend of smart grid with its complexity has attracted SMES researchers to involve the SMES in improving the reliability of smart grid systems. © 2016 IEEE.

Author Keywords

Power; Smart Grid and Wind; SMES

Index Keywords

Electric energy storage, Electric power transmission, Electric power transmission networks, Renewable energy resources, Stabilization; Application studies, Magnetic technologies, Power, Renewable energies, Smart grid, Smart grid systems, SMES, System stabilization; Smart power grids

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**Record 1 of 1****Title:** Overview of SMES Units Application on Smart Grid Systems**Author(s):** Yunus, AMS (Yunus, A. M. Shiddiq); Saini, M (Saini, Makmur)**Book Group Author(s):** IEEE**Source:** 2016 INTERNATIONAL SEMINAR ON INTELLIGENT TECHNOLOGY AND ITS APPLICATIONS (ISITIA): RECENT TRENDS IN INTELLIGENT COMPUTATIONAL TECHNOLOGIES FOR SUSTAINABLE ENERGY **Pages:** 465-469 **Published:** 2016**Abstract:** Many papers have introduced the wide application of SMES Unit in Power Systems. Since introduced at the first time in 1911 by Dutch Physicist Heike Kamerlingh, Superconducting magnetic technology has attracted many researchers to investigate its application in many areas. It was reported that its first application study in power systems was in transmission line stabilization in 1987. Since that the study of SMES application in power systems become even wider not limited only in system stabilization during faults but also in smoothing out power output from renewable energy based power systems. Moreover, the booming trend of smart grid with its complexity has attracted SMES researchers to involve the SMES in improving the reliability of smart grid systems.**Accession Number:** WOS:000404428800083**Conference Title:** International Seminar on Intelligent Technology and Its Applications (ISITIA) - Recent Trends in Intelligent Computational Technologies for Sustainable Energy**Conference Date:** JUL 28-30, 2016**Conference Location:** Lombok, INDONESIA**Conference Sponsors:** IEEE, IEEE Indonesia Sect, Univ Mataram, Lab Instrumentasi Pengukuran Identifikasi Sistem Tenaga**ISBN:** 978-1-5090-1709-6



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SURAT TUGAS

Nomor : 467 /PL10/RT.01.00/2019

Direktur Politeknik Negeri Ujung Pandang memberi tugas kepada :

1. Nama : Prof. Dr. Ir. Salama Manjang, M.T.
NIP : 19621231 199003 1 024
Jabatan : Ketua Departemen Teknik Elektro Fakultas Teknik UNHAS
Sebagai : Peer Review 1
2. Nama : Prof. Dr. Eng. Syafaruddin. S.T.M.Eng.
NIP : 19740530 199903 1 003
Jabatan : Ketua Program Magister Teknik Elektro Fakultas Teknik UNHAS
Sebagai : Peer Review 2

untuk menilai karya ilmiah usul jabatan Profesor a.n. Ir. Makmur Saini. M.T., Ph.D.

Demikian surat tugas ini untuk dilaksanakan dengan sungguh-sungguh dan penuh rasa tanggung jawab.



15 April 2019

Direktur

[Handwritten Signature]
Prof. Ir. Muhammad Anshar, M.Si., Ph.D.

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