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

Judul Jurnal Ilmiah (Paper)	:	AC-MnO2-CNT composites for electrodes of electrochemical supercapacitors		
Penulis/Jumlah Penulis	:	Agus Subagio, Priyono, Pardoyo, Aswardi, Yudianti R., Subhan A., Taer E/ 7 orang		
Status Pengusul	:	Penulis Anggota		
Identitas Jurnal Ilmiah	:	a. Nama Prosiding	:	2nd International Conference on Functional Materials Science 2014 (ICFMS)
		b. ISBN/ISSN	:	0255-5476
		c. Tahun Terbit, Tempat Pelaksanaan	:	2015, Lombok, Indonesia
		d. Penerbit/Organizer	:	Trans Tech Publications Ltd
		e. Alamat Repository (PT)	:	https://eprints2.undip.ac.id/742/
		f. Terindeks (jika ada)	:	Scopus
Kategori Publikasi Jurnal Ilmiah (beri ✓ pada kategori yang tepat)	:	☑Prosiding forum ilmiah Internasional ☐Prosiding forum ilmiah Nasional		

Hasil Penilaian *Peer Review*

Komponen yang Dinilai	Nilai Reviewer		Nilai Rata-Rata
	Reviewer I	Reviewer II	
a. Kelengkapan unsur isi prosiding (10%)	2,8	3	2,9
b. Ruang lingkup dan kedalaman pembahasan (30%)	9	8,9	8,95
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	8	8,9	8,45
d. Kelengkapan unsur dan kualitas penerbit (30%)	9	9	9
Total = (100%)	29,8	29,8	29,3

= 60 % x 29,3
= 17,58

Reviewer II

Prof. Dr. Heri Sutanto, S.Si, M.Si
NIP. 197502151998021001
Unit Kerja: Departemen Fisika, Fakultas Sains dan Matematika UNDIP Semarang

Reviewer I

Prof. Dr. Wahyu Setiabudi, M.S
NIP. 195806151985031002
Unit Kerja: Departemen Fisika, Fakultas Sains dan Matematika UNDIP Semarang

LEMBAR
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KARYA ILMIAH: PROSIDING

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Identitas Jurnal Ilmiah	:	a. Nama Prosiding	:	2nd International Conference on Functional Materials Science 2014 (ICFMS)
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Hasil Penilaian *Peer Review*

Komponen yang Dinilai	Nilai Maksimal Prosiding		Nilai yang Diperoleh
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a. Kelengkapan unsur isi prosiding (10%)	3,00		2,8
b. Ruang lingkup dan kedalaman pembahasan (30%)	9,00		9
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	9,00		8
d. Kelengkapan unsur dan kualitas penerbit (30%)	9,00		9
Total = (100%)	**30,00**		28,8

60% x 28,8 = 17,28

Catatan Penliaian Paper oleh Reviewer:

1. Bila ada acknowledgment akan lebih lengkap.
2. Kurang lingkup luas pembahasan hanya didukung pustaka
3. 5 dari 15 pustaka lebih dari 5 tahun, satu pustaka terpublikasi terbit, tujuan optimasi bila di metode ada disebut cara optimasi akan lebih baik.
4. Lengkap dan kualitas penerbit baik.

Reviewer 1

Prof. Dr. Wahyu Setiabudi, M.S
NIP. 195806151985031002
Unit Kerja: Departemen Fisika, Fakultas Sains dan Matematika UNDIP Semarang

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

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Identitas Jurnal Ilmiah	:	a. Nama Prosiding	:	2nd International Conference on Functional Materials Science 2014 (ICFMS)
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Kategori Publikasi Jurnal Ilmiah (beri ✓ pada kategori yang tepat)	:	☑Prosiding forum ilmiah Internasional ☐Prosiding forum ilmiah Nasional		

Hasil Penilaian *Peer Review*

Komponen yang Dinilai	Nilai Maksimal Prosiding		Nilai yang Diperoleh
	Internasional (30)	Nasional ( )	
a. Kelengkapan unsur isi prosiding (10%)	3,00		**3**
b. Ruang lingkup dan kedalaman pembahasan (30%)	9,00		**8.9**
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	9,00		**8,9**
d. Kelengkapan unsur dan kualitas penerbit (30%)	9,00		**9**
Total = (100%)	**30,00**		**29,8**

Catatan Penliaian Paper oleh Reviewer:

a. Artikel telah ditulis lengkap dan sesuai template prosiding Materials Science Forum mulai dari judul, abstrak, pendahuluan hingga referensi

b. Ruang lingkup kedalaman pembahasan diungkapkan dengan sangat baik dan mendalam. Hasil-hasil penelitian yang diperoleh telah dipadukan terutma hasil uji TEM dan SEM sinkron didalam pembahasan serta komprehensif.

c. Data penelitian sangat memadai dan ditampilkan dalam gambar dan grafik secara jelas. Hasil penelitian sesuai metodologi penelitian yang dilakukan dan mutakhir. Artikel ditulis berdasarkan 14 referensi kategori mutakhir dan 1 kurang mutakhir.

d. Secara umum kelengkapan unsur artikel lengkap dan kualitas penerbit prosiding Materials Science Forum sangat baik dan konsisten.

Reviewer II

Prof. Dr. Heri Sutanto, S.Si, M.Si
NIP. 197502151998021001
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Materials Science Forum
Volume 827, 2015, Pages 113-118
2nd International Conference on Functional Materials Science, ICFMS 2014; Lombok; Indonesia;
12 November 2014 through 13 November 2014; Code 127199

AC-MnO_2-CNT composites for electrodes of electrochemical supercapacitors (Conference Paper)

Subagio, A.[a] ✉, Priyono[a], Pardoyo[b], Aswardi[b], Yudianti, R.[c], Subhan, A.[c], Taer, E.[d]

[a]Department of Physics, Diponegoro University, Indonesia
[b]Department of Chemistry, Diponegoro University, Indonesia
[c]Center of Physics Research, LIPI, Indonesia

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Abstract

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Electrodes for electrochemical supercapacitors were fabricated by doctor blade method of composite of activated carbon (AC), MnO_2 and carbon nanotubes (CNTs). The AC-MnO_2-CNTs composites were synthesized by solution processing method in pH variation of 3, 7 and 11. The composites were characterized by X-ray diffraction, scanning electron microscopy, transmission electron microscopy and impedance spectroscopy. The XRD pattern shown the crystalline structure and the SEM image observed that the distribution of CNTs was homogeneous between carbon particles. The electrodes were fabricated for supercapacitor cells with 316L stainless steel as current collector and 1 M Na_2SO_4 as electrolyte. An electrochemical characterization was performed by using an electrochemical impedance spectroscopy (EIS) method using a LCR Hi-Tester HIOKI 3522 instrument and the results showed an increase in the value of specific capacitance at the ACMnO_2- CNT on the acidic condition. © (2015) Trans Tech Publications, Switzerland.

SciVal Topic Prominence

Topic: Capacitance | Nanosheets | Asymmetric supercapacitors

Prominence percentile: 99.994

Chemistry database information

Substances

C

Author keywords

Activated carbon | CNT | Composite | MnO_2 | Specific capacitance | Supercapacitors

Indexed keywords

Engineering controlled terms: Activated carbon | Capacitance | Capacitors | Carbon nanotubes | Characterization | Composite materials | Electrochemical impedance spectroscopy | Electrodes | Electrolytes | Electrolytic capacitors | Electron microscopy | Functional materials | High resolution transmission electron microscopy | Manganese oxide | Scanning electron microscopy | Spectroscopy | Stainless steel | Transmission electron microscopy | X ray diffraction | Yarn

Engineering uncontrolled terms: CNT | Crystalline structure | Electrochemical characterizations | Electrochemical supercapacitor | Impedance spectroscopy | MnO_2 | Specific capacitance | Super capacitor

Engineering main heading: Electrochemical electrodes

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Design, synthesis and the electrochemical performance of MnO 2/C@CNT as supercapacitor material
Wang, H. , Peng, C. , Zheng, J. *(2013) Materials Research Bulletin*

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Engineering Mechanical Engineering	#466/583	19th

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Materials Science Forum

Country	Switzerland - SIR Ranking of Switzerland
Subject Area and Category	Engineering Mechanical Engineering Mechanics of Materials Materials Science Materials Science (miscellaneous) Physics and Astronomy Condensed Matter Physics
Publisher	Trans Tech Publications Ltd.
Publication type	Journals
ISSN	02555476
Coverage	1985-1986, 1994-ongoing
Scope	Materials Science Forum specializes in the rapid publication of international conference proceedings and stand-alone volumes on topics of current interest. It covers all areas of Materials Science, Solid State Physics and Solid State Chemistry. The periodical is covered by SCOPUS and documented by all major abstract sources. It is one of the largest periodicals in its field. Indexed by Elsevier: SCOPUS www.scopus.com and Ei Compendex (CPX) www.ei.org/. Cambridge Scientific Abstracts (CSA) www.csa.com, Chemical Abstracts (CA) www.cas.org, Google and Google Scholar google.com, ISI (ISTP, CPCI, Web of Science) www.isinet.com, Institution of Electrical Engineers (IEE) www.iee.org, etc.
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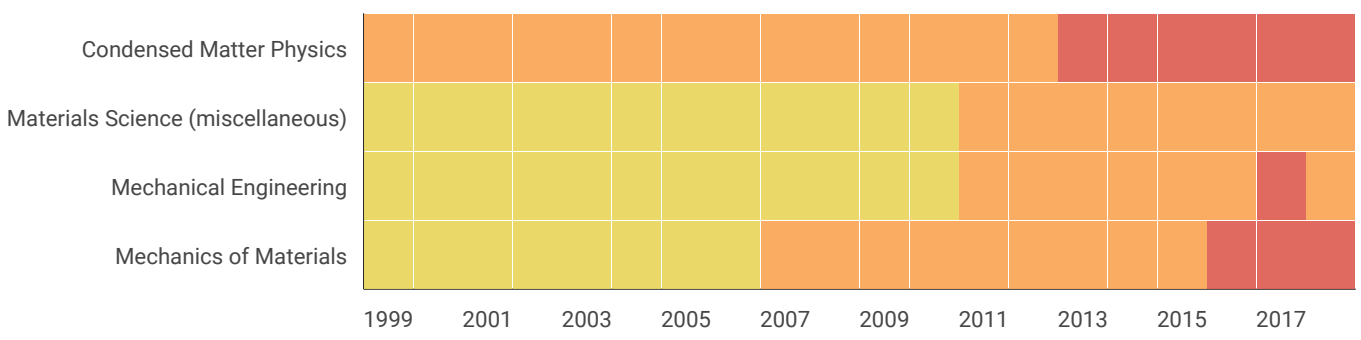

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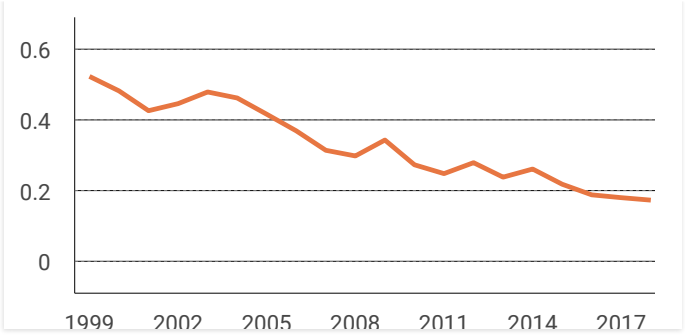

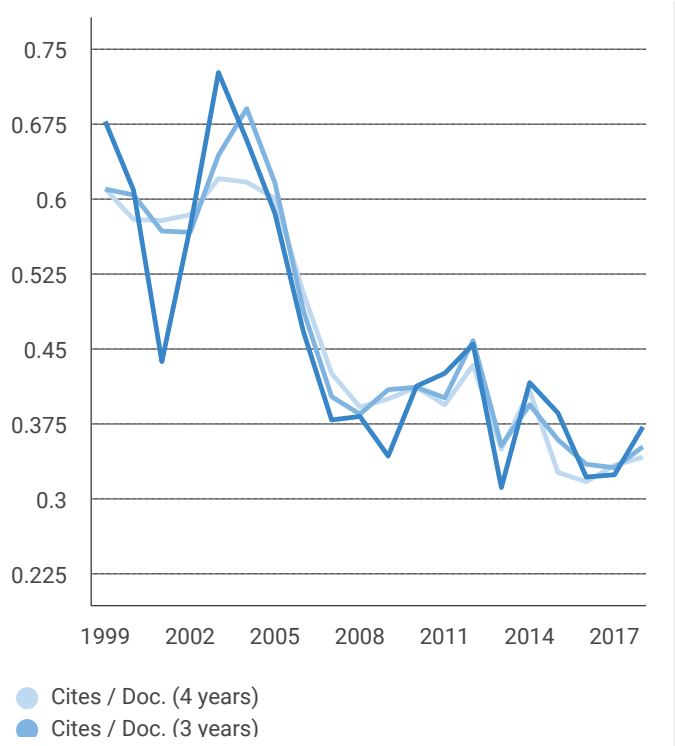

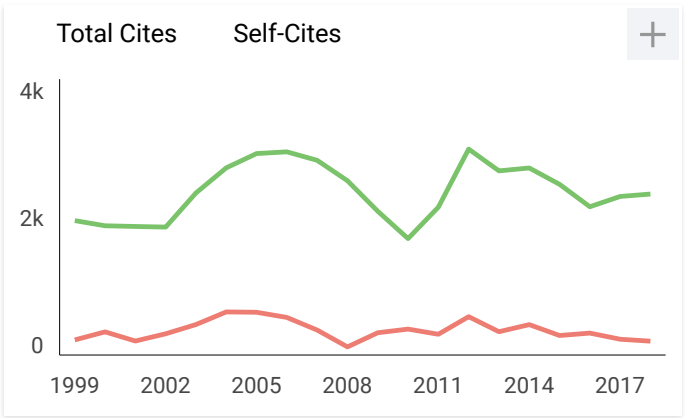

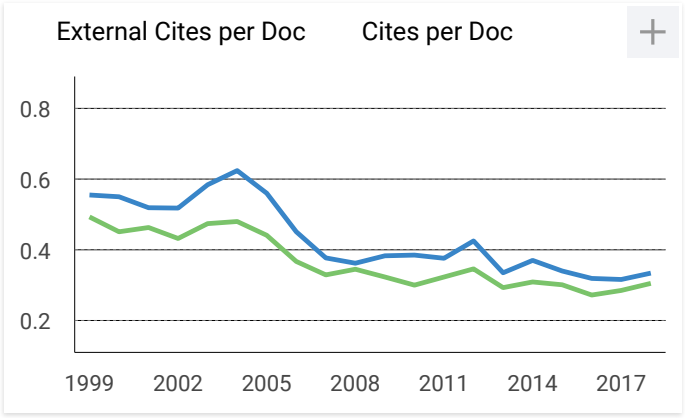

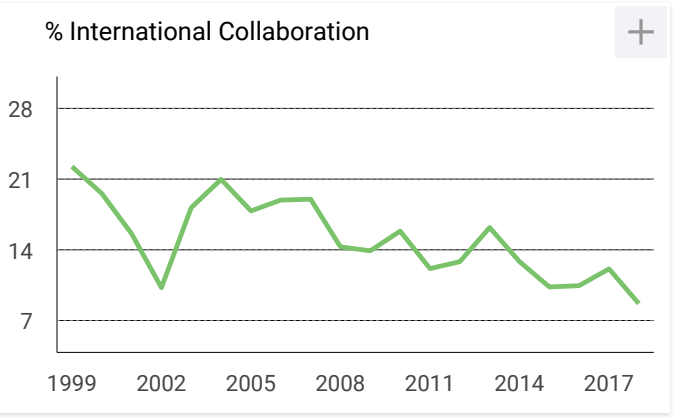

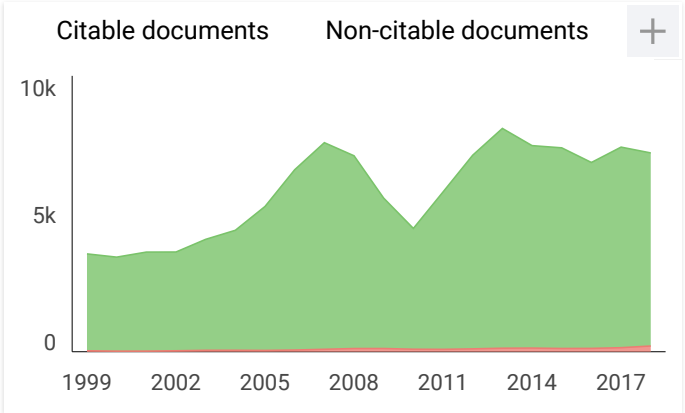

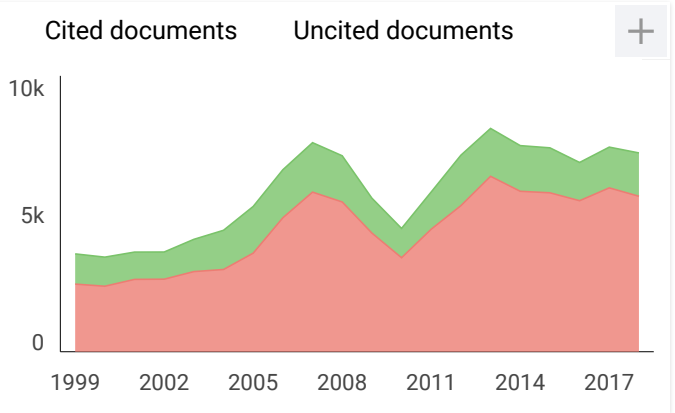

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INVITATION LETTER

To **Agus Subagio**

On behalf of the organizing committee of 2nd International Conference on Functional Materials Science 2014 (ICFMS 2014), we would like to invite you to participate in ICFMS 2014, to be held in Lombok, Indonesia on November 12-13, 2014.

We are pleased to confirm that your paper entitled: **AC-MnO_2-CNT composites for electrodes of electrochemical supercapacitors,** has been accepted to be presented in ICFMS 2014.

Please refer to **Conference Program** and **Presentation Guideline** for preparing your presentation.
All presented and accepted manuscripts from the ICFMS 2014 will be published in Material Science Forum, which is indexed by Elsevier: SCOPUS, Ei Compendex (CPX), Cambridge Scientific Abstracts (CSA), Chemical Abstracts (CA), Google and Google Scholar, ISI (ISTP, CPCI, Web of Science), Institution of Electrical Engineers (IEE). Your login credentials for uploading your manuscript will be sent to your e-mail.

We are looking forward to seeing you in Lombok

Best Regard,

Dr. Risdiana, M. Eng.
Chairman of Organizing Committee

Contact : Department of Physics, Faculty of Mathematics and Natural Sciences, Universitas Padjadjaran, Jl. Raya Bandung-Sumedang km. 21 Jatinangor, Sumedang, 45363 INDONESIA, Telp./Fax.: +62 22 7796014, E-mail : icfms2014@gmail.com

ACCEPTANCE LETTER

To **Agus Subagio**

On behalf of the organizing committee of 2nd International Conference on Functional Materials Science 2014 (ICFMS 2014), we would like to invite you to attend ICFMS 2014, to be held in Lombok, Indonesia on November 12-13, 2014.

We are pleased to confirm that your paper entitled: **AC-MnO_2-CNT composites for electrodes of electrochemical supercapacitors,** has been accepted to be presented as a contributed speaker in the **Oral session**.

Please refer to **Conference Program** and **Presentation Guideline** for preparing your presentation.

We are looking forward to seeing you in Lombok

Best Regard,

Dr. Risdiana, M. Eng.
Chairman of Organizing Committee

Contact : Department of Physics, Faculty of Mathematics and Natural Sciences, Universitas Padjadjaran, Jl. Raya Bandung-Sumedang km. 21 Jatinangor, Sumedang, 45363 INDONESIA, Telp./Fax.: +62 22 7796014, E-mail : icfms2014@gmail.com

Important Information

- Please prepare your full paper in strict accordance with the camera ready format by downloading the **TEMPLATE OF FULL PAPER** from "**Proceeding - Instructions for abstract and full paper preparation**" in conference web (http://situs.opi.lipi.go.id/icfms2014/)
- There is no different in **invitation letter**, **certificate** and **publication** between ORAL and POSTER presentation.
- Duration of presentation in **Oral Session** is 15 minutes including 5 minutes for discussion. The following facilities will be provided digital projector and laptops with Windows OS and Microsoft Office Power Point 2010 (we prefer presentations on CD or USB flash memory)
- Presentation in **Poster session** is divided into 2 activities. First is short presentation in 3 minutes and second is poster session in 90 minutes. The poster size is A1 size (layout: **portrait**). The poster board will be full white board. Authors need to be present at their posters for discussion with attendees during the session.
- Registration Fees:

Participants/Delegates	Early Bird Rate Before September 20, 2014	Normal Rate September 20, 2014 on wards
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Local Extra One Paper	IDR 1,000,000	IDR 1,000,000
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Payment Entitlements

- Participants/delegates are charged based on their institution/affiliation not nationality of first author.

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- Cancellations are not allowed, and return of payment is not possible.
- Extra one paper is only applicable for the same first author.
- The Registration Fee should be excluded the transfer fee and bank charges. Bank transfer fee/charge should be paid by the participants.
- Presenters who do not pay in full by **12 October 2014** will not be included in the schedule and their abstract will not be printed in the Program and Abstract Book.
- Registration fee includes seminar materials, banquet, lunch, morning and afternoon teas, attending all technical sessions and publication in IOP Conference Series: Materials Science and Engineering (MSE).
- At least one author for each accepted full paper must register.

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Program

11 November 2014	
15.00 – 18.00	Registration

1st day – 12 November 2014

Time	Agenda
07.00 – 07.55	Registration
07.55 – 09.00	**First Parallel Session**

Time	Room A	Room B	Room C	Room D
07.55 – 08.00	Welcoming address	Welcoming address	Welcoming address	Welcoming address
08.00 - 08.15	FMM-A-1	FMM-B-1	FMM-C-1	FMM-D-1
08.15 - 08.30	FMM-A-2	FMM-B-2	FMM-C-2	FMM-D-2
08.30 - 08.45	FMM-A-3	FMM-B-3	FMM-C-3	FMM-D-3
08.45 - 09.00	FMM-A-4	FMM-B-4	FMM-C-4	FMM-D-4

09.00 – 09.10	Coffee Break
09.10 – 09.20	Opening Ceremony of ICFMS 2014
09.20 – 10.00	**Invited Speaker I (I. Watanabe)**
10.00 – 10.40	**Invited Speaker II (Y. Koike)**
10.40 – 11.20	**Invited Speaker III (Y. Furukawa)**
11.20 – 13.00	Photo ICFMS 2014 Lunch Break
13.00 – 15.00	**Second Parallel Session**

Time	Room A	Room B	Room C	Room D
13.00 -13.30	**Invited Speaker IV (Ariando)**	**Invited Speaker V (Y. Nozue)**	**Invited Speaker VI (S. Sulaiman)**	**Invited Speaker VII (H. Taniguchi)**
13.30 -14.00	**Invited Speaker VIII (Y. Kohori)**	FMN-B-1 FMN-B-2	**Invited Speaker IX (Rahmat H.)**	**Invited Speaker X (N. Kuwano)**
14.00 -14.15	FMN-A-1	FMN-B-3	FMN-C-1	FMN-D-1
14.15 -14.30	FMN-A-2	FMN-B-4	FMN-C-2	FMN-D-2
14.30 -14.45	FMN-A-3	FMN-B-5	FMN-C-3	FMN-D-3
14.45 -15.00	FMN-A-4	FMN-B-6	FMN-C-4	FMN-D-4

Time	Agenda

15.00-16.30 **Poster Session**

E	F	G	H	I	J	K
FMN-E-1	FMN-F-1	FMN-G-1	FMN-H-1	FMN-I-1	FMN-J-1	FMN-K-1
FMN-E-2	FMN-F-2	FMN-G-2	FMN-H-2	FMN-I-2	FMN-J-2	FMN-K-2
FMN-E-3	FMN-F-3	FMN-G-3	FMN-H-3	FMN-I-3	FMN-J-3	FMN-K-3
FMN-E-4	FMN-F-4	FMN-G-4	FMN-H-4	FMN-I-4	FMN-J-4	FMN-K-4
FMN-E-5	FMN-F-5	FMN-G-5	FMN-H-5	FMN-I-5	FMN-J-5	FMN-K-5
FMN-E-6	FMN-F-6	FMN-G-6	FMN-H-6	FMN-I-6	FMN-J-6	FMN-K-6
FMN-E-7	FMN-F-7	FMN-G-7	FMN-H-7	FMN-I-7	FMN-J-7	FMN-K-7
FMN-E-8	FMN-F-8	FMN-G-8	FMN-H-8	FMN-I-8	FMN-J-8	FMN-K-8
FMN-E-9	FMN-F-9	FMN-G-9	FMN-H-9	FMN-I-9	FMN-J-9	FMN-K-9
FMN-E-10	FMN-F-10	FMN-G-10	FMN-H-10	FMN-I-10	FMN-J-10	FMN-K-10

16.30 – 17.10	**Invited Speaker XI (T. Adachi)**
17.10 – 17.50	**Invited Speaker XII (A. Rusydi)**
17.50 – 18.00	Closing
19.00 – 21.00	Dinner

2nd day – 13 November 2014	
08.00 - 08.15	Summary of ICFMS 2014 for Magnetic Materials (Y. Koike)
08.15 - 08.30	Summary of ICFMS 2014 for Functional Materials (Y. Furukawa)
08.30 - 08.45	Summary of ICFMS 2014 for Computation Materials (S. Sulaiman)
08.45 - 09.00	Summary of ICFMS 2014 for Research Collaboration (I. Watanabe)
09.00 - 09.15	Summary of ICFMS 2014 for Next ICFMS 2016 (Darminto)
09.15 - 09.30	Closing Ceremony
09.30 - 17.00	Lombok Field Trip (Optional)

Invited Speakers

1. Isao Watanabe (RIKEN)
2. Yoji Koike (Tohoku University, Japan)
3. Yukio Furukawa (Waseda University, Japan)
4. Ariando (National University of Singapore, Singapore)
5. Yasuo Nozue (Osaka University, Japan)
6. Shukri Sulaiman (Universiti Sains Malaysia, Malaysia)
7. Hiromi Taniguchi (Saitama University, Japan)
8. Yoh Kohori (Chiba University,Japan)
9. Rahmat Hidayat (Bandung Institute of Technology)
10. Noriyuki Kuwano (Kyushu University)
11. Tadashi Adachi (Sophia University, Japan)
12. Andrivo Rusydi (National University of Singapore, Singapore)

List of Contributed Speakers

No.	Name	Title	Code
1	Anne Zulfia, Salahuddin J and Ahmad Hafeizh E	Characterization of Al-Si-Mg/Al_2O_3Nano Composite Produced by Stir Casting Method	FMM-A-1
2	Aris Doyan and Susilawati	Dielectric and Conductivity Properties of Polyacrilamide Gels Material	FMM-A-2
3	Norman Syakir, Annisa Aprillia, Fitrilawati and Sagung Oka Aditia	Tunning the Emission Color Coordinate of Comersial White-Light LED Use the Poly-TMSPMA Doped Dye DCM	FMM-A-3
4	R. Tasomara, T. Kawamata, Y. Matsuoka, H.Sudo, K. Naruse, M. Ohno, H. Nagasawa, Y. Hagiya, T. Sasaki, Risdiana and Y. Koike	Study of Thermal Conductivity due to Spins in the One-Dimensional Spin System $AFeX_3$ (A=Rb, Cs; X=Cl, Br)	FMM-A-4
5	G. Korotcenkov, V. Brinzari, S.H. Han, L.B. Gulina, V.P. Tolstoy and B.K. Cho	SnO_2 Films Decorated by Au Clusters and Their Gas Sensing Properties	FMN-A-1
6	Kenji Takashima and Yukio Furukawa	Infrared Study on Electric Field Induced Structural Changes in Ferroelectric Vinylidene Fluoride/Trifluoroethylene Copolymer Thin Films	FMN-A-2
7	A. Bahtiar, L. Safriani, A. Aprilia, Risdiana, Harsojo, Triwikantoro, Darminto, A. Agung Nugroho, H. Guo, I. Kawasaki and I. Watanabe	Study of Charge CarrierDynamics of P3HT:PCBM Blend for Active Material SolarCell Using Muon Spin Relaxation	FMN-A-3
8	Alfred Albert and Rosari Saleh	Synthesis of ZnO/TiO_2 and ZnO/TiO_2/CuO Nanocomposite Using Sol-gel Method for The Photocatalytic Degradation of Methylene Blue Under UV and Visible Light Irradiation	FMN-A-4

9	Shofianina Jalaludin, Sarah Arifiyanti and Rosari Saleh	Magnetic Hybrid Fe_3O_4 / CuO / TiO_2Nano Particles: Synthesize, Characterization and Photocatalytic Activity	FMM-B-1
10	Yofentina Iriani, Retno Maharsi and Anif Jamaluddin	Characterization of $Ba_xSr_{1-x}TiO_3$ Applied as Dielectric Material	FMM-B-2
11	Iis Nurhasanah, Aula Fitra Efendi, Heri Sutanto and Priyono	Structure and Growth of 5 mol % Zn-doped CeO_2Nanosphere Synthesized by Simple Precipitation Process	FMM-B-3
12	Eni Sugiarti, Kemas A. Zaini, Yongming Wang, Naoyuki Hashimoto, Somei Ohnuki and Shigenari Hayashi	Effects of Oxidation Temperature on the Oxide Scale Formation of NiCoCrAl Coatings on Low Carbon Steel	FMM-B-4
13	Fahmi Astuti, Malik Anjelh Baqiya and Darminto	Effect of Pb on Superconducting and Electrical Properties of $Bi_2Sr_2CaCu_2O_{8+\sigma}$Nanopowders	FMN-B-1
14	Asep Ridwan Setiawan,Marsetio Noorprajuda, Aditianto Ramelan and Rochim Suratman	Preparation of Zn-ZrO_2Nanocomposite Coating by DC and Pulsed Current Electrodeposition Technique with Low Current Density	FMN-B-2
15	Ariska Rinda Adityarini, Eka Yoga Ramadhan, Endah Retno Dyartanti and Agus Purwanto	Effect of $LiFePO_4$ Cathode Composite's Thickness on Lithium Battery Performance	FMN-B-3
16	Annisa Noorhidayati, Raynaldi Philipus, Nadia F. Djaja and Rosari Saleh	Comparative Study of Photocatalytic Activity of Ni-doped ZnO and Zeolite Supported Ni-doped ZnO Prepared by Co-precipitation Method	FMN-B-4
17	Ahmad Taufiq, Sunaryono, Edy Giri Rachman Putra, Suminar Pratapa and Darminto	Nano-structural studies on Fe_3O_4 particles dispersing in a magnetic fluid using X-ray diffractometry and small-angle neutron scattering	FMN-B-5
18	Subagio A, Priyono, Pardoyo, Aswardi, Yudianti R., Subhan A. and Taer E	AC-MnO_2-CNT Composites for Electrodes of Electrochemical Supercapacitors	FMN-B-6

19	Ananda Yogi Nugraheni, M. Nasrullah, Fandi Angga Prasetya, Fahmi Astuti and Darminto	Study on Phase, Molecular Bonding, and Bandgap of Reduced Graphene Oxide Prepared by Heating Coconut Shell	FMM-C-1
20	Decky J. Indrani, E. Budianto and B. Soegijono	Compression Strength and Degradation Ability of Hydroxyapatite/Alginate Composite Scaffolds	FMM-C-2
21	Is Fatimah, Dwiarso Rubiyanto and Thorikul Huda	Preparationand Characterizationof Ni/Zr-Saponite as Catalyst in Catalytic Hydrogen Transfer Reactionof Isopulegol	FMM-C-3
22	Eny Kusrini, Gefin Yesya, Nyoman Suwartha, Cindy Rianti Priadi, and Nofrijon Sofyan	Characteristic of Equilibrium and Kinetic Studies for Adsorption of Fluoride Ions onChitosan-Praseodymium	FMM-C-4
23	A.F. Rozlan, S.Sulaiman, M.I. Mohamed-Ibrahim and I. Watanabe	Electronic Structure of Muonated La_2CuO_4	FMN-C-1
24	Cukup Mulyana, Adhitya Rusel Syah and Nendi Suhendi	Simulation Analysis of Damage Mechanism on Material SA213-T22 Ferritic Type Caused of Temperature, Stress and Loading Using Finite Element Method Program	FMN-C-2
25	Melchor J. Potestas, Arnold C. Alguno, Reynaldo M. Vequizo, Bianca Rae B. Sambo and Majvell Kay G. Odarve	Optical property enhancement of silica-modified polyaniline grown on glass substrate via incorporation of zinc sulfide into the polymer matrix	FMN-C-3
26	Masruroh, D.J.D.H Djoko, Lalu A. Didik, Eka Rachmawati, Fadli Robiandi, Masdiana Pagaga and S.P Sakti	Effect of Solvents on Polystyrene Morphology and the Deposited Zinc Phthalocyanine (ZnPc) as Immobilisation Matrix for QCM Sensor	FMN-C-4

27	Abdul Halim Daulay, Decky Jusiana Indrani, Muhammad Rifqi Aufan, Aditianto Ramelan, Mardjono Siswosuwarno and Bambang Sunendar Purwasasmita	Bone Scaffold Based on Biopolymer/Carbonate Apatite by Freeze Drying Method: Synthesis, Characterization, and In Vitro Cytotoxicity	FMM-D-1
28	Mochamad Chalid, Evana Yuanita and Juniko Pratama	Study of Alkalization to the Crystallinity and the Thermal Behavior of Arenga Pinnata "Ijuk" Fibers-based Poly(lactic acid) (PLA) Biocomposite	FMM-D-2
29	E. Taer, R. Taslim and M. Deraman	Preparations and Characterizations of Activated Carbon Monolith from Rubber Wood and its Affect on Supercapacitor Performances	FMM-D-3
30	Harsojo, Anna Layla Salfarina and Harini Sosiati	Fabricating Nano Fiber Polyvinylalcohol with Evenly Distributed Nano Silver	FMM-D-4
31	Rusinov P.O. and Blednova Zh. M	The Structure and Phase Formation of the Surface Layers Formed TiNiCu High Flame Spraying	FMN-D-1
32	Nadia Febiana Djaja and Rosari Saleh	Comparative study on photocatalytic performance of (Fe,La) and (Fe,Ce)-codoped ZnO nanoparticles	FMN-D-2
33	Heri Sutanto, Iis Nurhasanah and Eko Hidayanto	Deposition of Ag 2~6 mol%-doped ZnO Photocatalyst Thin Films By Thermal Spray Coating Method for Degradation E. coli Bacteria	FMN-D-3
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37	Tika Paramitha, Tifa Paramitha and Agus Purwanto	Evaluation of Sintering and Soaking Methods on the Dye-sensitized solar cell Performance	FMN-E-3

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39	Aniek S Handayani, Is Sulistyati P and M.Chalid	Synthesis of Amylopectin Macro-initiator for Graft Copolymerization of Amylopectin-g-Poly(Methyl Methacrylate) by ATRP (Atom Transfer Radical Polymerization)	FMN-E-5
40	Annisa Noorhidayati, Mia P. Rahmawati and Rosari Saleh	Photocatalytic Activity of Plain ZnO compared to Zeolite Supported Transition Metal-(Co^{2+} and Cr^{2+}) doped ZnO	FMN-E-6
41	Ardiansyah Taufik, Iqriah Kalim and Rosari Saleh	Preparation, characterization and photocatalytic activity of multifunctional Fe_3O_4/ ZnO / CuO hybrid nanoparticles	FMN-E-7
42	Asep Ridwan Setiawan, Hugo Fathur Rahman Erawan, Rochim Suratman and M. Nasir	Synthesis of Cobalt Oxide Layer Via Electrospinning of PEO/Cobalt Acetate Solution on AISI 430 Ferritic Steels Substrate	FMN-E-8
43	Aula Fitra Efendi and Iis Nurhasanah	Synthesis of Zn-doped CeO2 Nanopowders Assisted by Ultrasound Irradiation	FMN-E-9
44	I Made Joni, Dede Nurjaeni, Darmawan Hidayat, Tuti Aryati Demen, Dwindra W. Maulana and Camellia Panatarani	Development of Beads Mill with High Separation Efficiency Performance	FMN-E-10
45	Aventi	Comparison Between Fire Resistance Lightweight Brick And Fire Resistance Red Brick	FMN-F-1

46	A. Bahtiar, Siti Halimah Tusaddiah, Wendy Paramandhita S, Mustikasari, Lusi Safriani, Mariah Kartawidjaja, Kei Kanazawa, Ippei Enokida, Yukio Furukawa and Isao Watanabe	Optical, Structural and Morphological Properties of Ternary Thin Film Blend of P3HT:PCBM:ZnO Nanoparticles	FMN-F-2
47	Cukup Mulyana, Aswad Hi Saad, Otong Nurhilal and Mariah K	Failure Analysis on Disimilar Metal Weld (DMW) of Ferritic SA-213 T22 and Austenitic SA-213 TP 304H	FMN-F-3
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49	D.J.Djoko H.Santjojo, Masruroh and Fadli Robiandi	Functionality of ZnPc thin film deposited on polystyrene interlayer for immobilization of Biomolecules in QCM based biosensor	FMN-F-5
50	D. Dahlan, N. Sartika, Astuti and E. Taer	Effect of TiO2 on Duck Eggshell Membrane as Separators in Supercapacitor Applications	FMN-F-6
51	Bambang Prihandoko, Tia Rahmiati and Anne Zulfia	Characteristic of Ceramic Composite $Li_4Ti_5O_{12}$ under Influence of Li_2O	FMN-F-7
52	Indri Badria Adilina, Silvester Tursiloadi, and Shogo Shimazu	Development of Bentonite Clay Nanocomposites as Selective Catalysts for the Synthesis of Vanillin from Clove Oil Derivatives	FMN-F-8
53	Susilawati and Aris Doyan	Synthesis and Characterization of Solid Composite Polymer	FMN-F-9
54	Iwantono, Akrajas A. Umar, Erman Taer, Rika Taslim and Winda Nurwidya	Zink-oxide (ZnO) Nanorods Prepared by Seed-Mediated Growth Method as Active Materials Photoelectrochemical Solar Cell	FMN-F-10
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56	E. Taer, R. Taslim, Satri, Iwantono, B.N.M. Dolah and M. Deraman	The Investigations of a Composite Electrodes of Biomass Based Activated Carbon Mixtured with Carbon Nanotube Sand Polyaneline for Supercapacitor Applications	FMN-G-2
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63	Harsojo, Anita F.W., and Harini Sosiati	A Simple Way of Fabricating Nano Fiber PVA Loaded with Superparamagnetic Fe_3O_4	FMN-G-9
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66	Jul Endawati	Durability of Wood Shavel Composites With Environmental Friendly Based Binder	FMN-H-2
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68	Mastuki, Darminto and Malik Anjelh Baqiya	Explorative synthesis of calcium ferrite Ca-Fe-O by mixing precipitated $CaCO_3$ from limestone and iron sand extracted – $Fe_2O_3.H_2O$	FMN-H-4
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70	Nur Afifah and Rosari Saleh	Photocatalytic Activity of Fe- Doped ZnO/Montmorillonite Nanocomposite for Degradation of Malachite Green	FMN-H-6
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73	Risdiana, D. Suhendar, S. Pratiwi, T. Saragi, W. A. Somantri, S. Harimurty, F. K. Muharom, S. F. Winda, R. R. Sihombing, M. R. Ramadhan and R. Tasomara	The Effects of Fe Impurities to the Magnetic Properties in Electron-doped Superconducting Cuprates	FMN-H-9
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78	Sunaryono, Ahmad Taufiq, Suminar Pratapa, Zainuri, Triwikantoro and Darminto	Magnetic properties of Fe_3O_4 nanoparticles synthesized from natural magnetites by coprecipitation method at room temperature with various stirring rate	FMN-I-4
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80	Toto Sudiro, Kemas Ahmad Zaini Thosin, Didik Aryanto, Agus Sukarto Wismogroho and Kazuya Kurokawa	Fe-Si-Al Alloys Prepared by a Spark Plasma Sintering Technique	FMN-I-6
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88	Yayah Yuliah, Ayi Bahtiar, Sahrul Hidayat, Rustam E Siregar and Fitrilawati	Fluorescence Spectroscopy Study of PVP-capped ZnO Nano-particles as the Electron Acceptor of Organic Solar Cell Materials Poly(3-Hexylthiophene-2,5-diyl) (P3HT)	FMN-J-4
89	Decky J Indrani, Bambang S. Purwasasmita and Jojor Simanjuntak	Magnetic Nanoparticles and Carbonate Apatite/Chitosan/Alginate Composite Scaffolds	FMN-J-5
90	Yenny Meliana, Sri Budi Harmami, Witta Kartika Restu and Agus Haryono	Morphology and Structure of Nanoencapsulation of Centella asiatica and Zingiber officinale Exctract as The Oral Dosage of Anticellulite Treatment	FMN-J-6
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97	Sidik Permana, Novitrian, Zaki Suud, Ismail and Mitsutoshi Suzuki	Heavy Nuclide Production Analysis For Different Burnup and Cooling Time of Light Water Reactor (LWR)	FMN-K-3
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