

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

Judul Jurnal Ilmiah (Artikel) : The Effect of Cu Ohmic Contact on Photoelectrochemical Property of S-CuO Thin Film Photocathodes

Nama/ Jumlah Penulis : 3 Orang

Status Pengusul : penulis ke-2

Identitas Jurnal Ilmiah :

- a. Nama Jurnal : Jurnal Kimia Sains dan Aplikasi
- b. Nomor ISSN : 2597-9914
- c. Vol, No., Bln Thn : Vol 22, No. 6, November 2019
- d. Penerbit : Chemistry Department, Faculty of Sciences and Mathematics, Diponegoro University
- e. DOI artikel (jika ada) : -
- f. Alamat web jurnal : <https://ejournal.undip.ac.id/index.php/ksa/issue/view/2695>
- g. Terindex : Science and Technology Index (SINTA, S2)

Kategori Publikasi Jurnal Ilmiah : ☐ Jurnal Ilmiah Internasional/Internasional Bereputasi  
 (beri ✓ pada kategori yang tepat) ☒ Jurnal Ilmiah Nasional Terakreditasi  
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| b. Ruang lingkup dan kedalaman pembahasan (30%)                   |                              | 7,5                             |                              | 7,5                        |
| c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%) |                              | 7,5                             |                              | 7                          |
| d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)           |                              | 7,5                             |                              | 7,5                        |
| <b>Total = (100%)</b>                                             |                              | <b>25</b>                       |                              | <b>24,5</b>                |
| <b>Nilai Pengusul = (40% x 24.5 )/2 =4.9</b>                      |                              |                                 |                              |                            |

**Catatan Penilaian artikel oleh Reviewer:**

- Kesesuaian dan kelengkapan unsur isi jurnal:**  
 Artikel yang dimuat sesuai dengan kepakaran penulis. Isi unsur jurnal lengkap sesuai yang dipersyaratkan oleh jurnal nasional Jurnal Kimia Sains dan Aplikasi sinta 2. Dengan similarity sangat baik (12%).
- Ruang lingkup dan kedalaman pembahasan:**  
 Ruang lingkup jurnal ini tentang pengaruh kontak ohm tembaga pada sifat fotoelektrokimia fotokatoda lapis tipis S-CuO. Pembahasannya cukup mendalam dengan menggunakan instrumentasi pengujian yang sangat baik SEM, XRD, EDX dan DRS-UV-Vis serta pengamatan J-V dari fotokatoda tersebut pada berbagai kondisi. Pembahasannya disertai referensi yang menguatkan data yang diperoleh.
- Kecukupan dan kemutakhiran data/informasi dan metodologi:**  
 Data/informasi yang disampaikan cukup baik dan mutakhir dan metodologinya disampaikan secara detil sehingga peneliti lain bisa mengacu penelitian ini. Referensi yang digunakan up to date (50% referensi kurang dari 5 th artikel terbit dari 25 referensi yang disitasi)
- Kelengkapan unsur dan kualitas terbitan:**  
 Unsur artikel lengkap, kualitas jurnal Jurnal Kimia Sains dan Aplikasi penerbit Departemen Kimia FSM UNDIP terindeks sinta 2. Author Guideline dan mekanisme pengiriman jurnal jelas. Penulisan di tiap jurnal konsisten.

Semarang, 1 Agustus 2021  
 Reviewer I

Prof. Dr. Dra. Meiny Suzery, M.S.  
 NIP. 196005101989032001  
 Unit Kerja :FSM Universitas Diponegoro  
 Bidang Ilmu: Kimia Organik

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Identitas Jurnal Ilmiah :

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| b. Nomor ISSN Online      | : 2597-9914                                                                                                                                             |
| Nomor ISSN Cetak          | : 1410-8917                                                                                                                                             |
| c. Vol, No., Bln Thn      | : Vol 22, No. 6, November 2019                                                                                                                          |
| d. Penerbit               | : Chemistry Department, Faculty of Sciences and Mathematics, Diponegoro University                                                                      |
| e. DOI artikel (jika ada) | : -                                                                                                                                                     |
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| a. Kelengkapan unsur isi jurnal (10%)                             |                              | 2,5                             |                              | 2,5                        |
| b. Ruang lingkup dan kedalaman pembahasan (30%)                   |                              | 7,5                             |                              | 7                          |
| c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%) |                              | 7,5                             |                              | 7,5                        |
| d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)           |                              | 7,5                             |                              | 7,5                        |
| <b>Total = (100%)</b>                                             |                              | <b>25,00</b>                    |                              | <b>24,5</b>                |
| <b>Nilai Pengusul = (0,4x 24,5 )/2 = 4.9</b>                      |                              |                                 |                              |                            |

**Catatan Penilaian artikel oleh Reviewer :**

**1. Kesesuaian dan kelengkapan unsur isi jurnal:**

Unsur jurnal yang meliputi Judul, Abstrak, Pendahuluan, Metodologi Riset, Hasil dan Pembahasan, Kesimpulan dan Ucapan Terima Kasih semua ada/lengkap. Daftar Referensi (Citasi) sebanyak 25, dan semuanya merupakan jurnal internasional bereputasi. Isi dan narasi yang terkandung pada setiap unsur jurnal ini bersesuaian antara satu dengan lainnya mulai dari judul hingga kesimpulan dengan alur ilmiah yang jelas. (2,5)

**2. Ruang lingkup dan kedalaman pembahasan:**

Jurnal ini membahas cara sintesis fotokatoda lapis tipis tembaga (II) oksida (S-CuO) yang didoping belerang menggunakan cyclic voltamograms dengan variasi waktu lama sintesis kemudian cara analisis dan cara penentuan dengan mengukur kerapatan arus, potensial mula-mula dan aplikasi arus foton (ABPE) dipengaruhi oleh kontak ohmik Cu yang stabil pada pH 9. Yang paling menarik dari penelitian ini adalah fotokatoda S-CuO dalam kondisi asam dan sangat basa menghasilkan degradasi arus yang tinggi seiring lamanya waktu. Pembahasan terhadap data dan fenomena penelitian sangat detail dan didukung dengan pemahaman ilmu kimia yang baik dan memadai. Instrumen yang digunakan cukup memadai yaitu XRD, SEM EDX, sedangkan untuk energi gab digunakan UV-DRS. Namun dalam pembahasan tidak dibahas mengapa semakin lama waktu sintesis semakin tidak bagus hasilnya. (7)

**3. Kecukupan dan kemutakhiran data/informasi dan metodologi:**

Data dan informasi dan metodologi yang disajikan di dalam jurnal ini didukung oleh fakta eksperimen yang dianalisis dengan sangat baik berdasarkan referensi jurnal nasional dan internasional bereputasi yang sesuai dan kedalaman pengetahuan kimia yang baik. Referensi uptodate diatas 50% (17 dari 25 referensi yang disitasi dibawah lima tahun terbit (7,5)

**Kelengkapan unsur dan kualitas terbitan:**

Jurnal Kimia Sains dan Aplikasi merupakan jurnal nasional terakreditasi Sinta 2 yang diterbitkan oleh Departemen Kimia Universitas Diponegoro. Jurnal ini memiliki ISSN, URL dan informasi terbitan yang jelas. Editorial board merupakan pakar-pakar iptek Kimia sebagai tim ahli dari beberapa negara, November 30, 2019. Author Guideline dan mekanisme pengiriman jurnal jelas. Penulisan di tiap jurnal konsisten. Kualitas jurnal/Penerbit baik dengan H index 11 (7,5)

Turnitin: 66%

Semarang, 3 Februari 2021

Reviewer II



Prof. Dr. M. Cholid Djunaidi, S.Si, M.Si

NIP. 197007021996031004

Unit Kerja :FSM Universitas Diponegoro

Bidang Ilmu: Kimia Analitik

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Hasil Penilaian *Peer Review* :

| Komponen Yang Dinilai                                              | Nilai Reviewer |             | Nilai Rata-rata |
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|                                                                    | Reviewer I     | Reviewer II |                 |
| a. Kelengkapan unsur isi jurnal (10%)                              | 2.5            | 2.5         | 2.5             |
| b. Ruang lingkup dan kedalaman pembahasan (30%)                    | 7.5            | 7           | 7.25            |
| c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)  | 7              | 7.5         | 7.25            |
| d. Kelengkapan unsur dan kualitas penerbit (30%)                   | 7.5            | 7.5         | 7.5             |
| <b>Total = (100%)</b>                                              | 24.5           | 24.5        | 24.5            |
| <b>Nilai untuk Pengusul : <math>0.4/2 \times 24.5 = 4.9</math></b> |                |             |                 |

Reviewer 1



Prof. Dr. Dra. Meiny Suzery, M.S.  
NIP. 196005101989032001  
Unit Kerja :FSM Universitas Diponegoro  
Bidang Ilmu: Kimia Organik

Semarang,  
Reviewer 2



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NIP. 197007021996031004  
Unit Kerja :FSM Universitas Diponegoro  
Bidang Ilmu: Kimia Analitik



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**Jurnal Kimia Sains dan Aplikasi**

E-ISSN: 25979914

Penerbit: Departemen Kimia, Universitas Diponegoro

Ditetapkan sebagai Jurnal Ilmiah

## TERAKREDITASI PERINGKAT 2

Akreditasi berlaku selama 5 (lima) tahun, yaitu

Volume 21 Nomor 4 Tahun 2018 sampai Volume 26 Nomor 3 Tahun 2023

Jakarta, 14 Januari 2019

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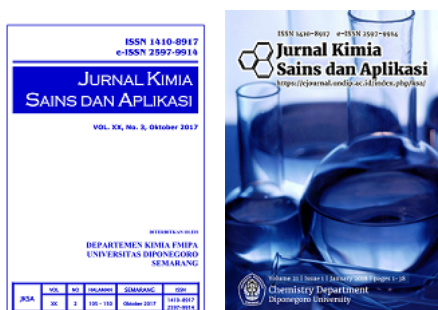
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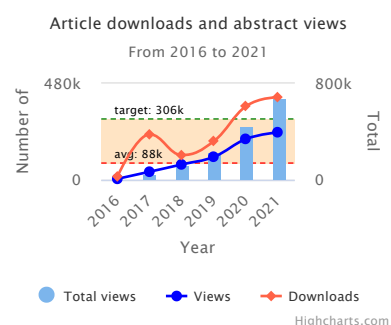
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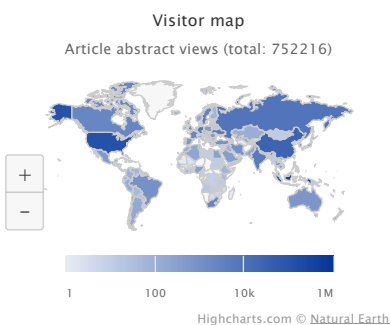


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Google Scholar IF: 1195/536 = 2.229

h-Index: 13, i10-Index: 25

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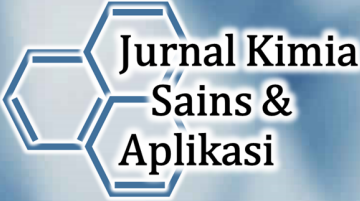
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**Dr. Yayuk Astuti** (ScopusID: [57100033100 \(http://www.scopus.com/authid/detail.uri?authorId=57100033100\)](http://www.scopus.com/authid/detail.uri?authorId=57100033100)) [id \(http://orcid.org/0000-0002-2107-3829\)](http://orcid.org/0000-0002-2107-3829) Chemistry Department, Faculty of Sciences and Mathematics, Diponegoro University Jl. Prof. Soedarto, SH., Tembalang, Semarang, Indonesia

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Last update: 17 September 2021

Number of documents: 536

Cites in Google Scholar: 1195

Google Scholar IF: 1195/536 = 2.229

h-Index: 13, i10-Index: 25

Scopus: 195 citations form 121 articles

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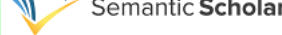
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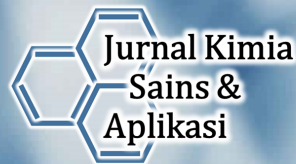




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# Jurnal Kimia Sains & Aplikasi

Journal of Scientific & Applied Chemistry



ISSN: 1410-8917  
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|                                              |            |
|----------------------------------------------|------------|
| Published:                                   | 30-11-2019 |
| Number of Articles:<br>(including Editorial) | 15         |
| Number of Authors:                           | 55         |

### Total 1 Author's Country

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### Journal Profile

Last update: 27th November 2020

Number of documents: 499

Number of citations: 807

Google Scholar's IF:  $797/499 = 1.617$

h-Index: 10, i10-Index: 14

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Emil Zacky Effendi, Yudhi Christian Hariady, Muhammad Daffa Salaahuddin, Chairul Irawan, Iryanti Fatyasari Nata

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([https://badge.dimensions.ai/details/doi/10.14710/jksa.22.6.220-226?](https://badge.dimensions.ai/details/doi/10.14710/jksa.22.6.220-226?domain=https://ejournal.undip.ac.id)  
domain=<https://ejournal.undip.ac.id>)

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(<https://doi.org/10.14710/jksa.22.6.220-226>)

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domain=<https://ejournal.undip.ac.id>)

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Usep Suhendar, Muhammad Fathurrahman, Sogandi Sogandi

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Received: 2 Aug 2019; Revised: 11 Oct 2019; Accepted: 16 Oct 2019; Published: 30 Nov 2019; Available online: 30 Nov 2019.





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Yati B. Yuliyati, Solihudin Solihudin, Atiek Rostika  
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(<https://doi.org/10.14710/jksa.22.6.263-268>)

Received: 27 Feb 2019; Revised: 2 Oct 2019; Accepted: 21 Oct 2019; Published: 30 Nov 2019; Available online: 30 Nov 2019.



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Received: 18 Aug 2019; Revised: 7 Nov 2019; Accepted: 13 Nov 2019; Published: 30 Nov 2019; Available online: 30 Nov 2019.





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 filter%5B%5D=f\_dcs%20subject%3A%22Chemistry%22&lookfor=jurnal+kimia+sains+dan+aplikasi&type=all&sort=dcyear\_sort+desc%2Cid+asc&oaboot=1&refid=dcdden&filter%5B%5D=



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